North American Energy Standards Board

Executive Committee Meeting

Wholesale Electric Quadrant

November 6, 2007

NAESB Offices, Houston, Texas

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials
November 6, 2007

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NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials
November 6, 2007

TAB 1

Welcome and Opening Remarks

EC Members & Terms

Schedule of 2007/2008 Meetings

- This section of the meeting materials includes the welcome and opening remarks, the antitrust statement guidance, the EC members and alternates terms, and the schedule of the 2007 and 2008 meetings.
- No action is required by the EC for any of these documents.
- The meeting materials are references for agenda item 1 of each of the quadrant meetings.
- Laura Kennedy will call roll to establish quorum.

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials
November 6, 2007

1. Welcome and Opening Remarks

The November 6 Executive Committee meeting will be held in Houston, Texas at the NAESB offices. Meeting arrangements and nearby hotels are posted and were contained in the meeting announcements.

Where: NAESB Offices, 1301 Fannin Street, Houston, Texas, 77001 -- 13th Floor – San Jacinto Room
Contact: Veronica Thomason, 713-356-0060 (main number)
When Tuesday, November 6 -- 10:00 a.m. to 4:00 p.m. C – Wholesale Electric Quadrant

- For further assistance please reach:

  Veronica Thomason at (713) 356 - 0060

- The officers and meeting administration presiding over the Executive Committee meeting are:

Kathy York	- WEQ Chairman
Rae McQuade	- President and COO
Laura Kennedy	- NAESB Counsel
Veronica Thomason	- NAESB Staff
Jill Webb, Preferred Legal Services	- Transcription Services

- Transcripts will be available and can be ordered either during the meeting through Preferred Legal Services or by contacting the NAESB office after the meeting for further information, 713-356-0060.

- To participate by phone, please call the NAESB office (713-356-0060, naesb@naesb.org) for conference calling information. Because this meeting will address the annual plan 2008 topic and may require editing, it will also be available via web casting. The office can also provide information on how to participate via the web cast.

Antitrust Guidelines

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials
November 6, 2007

1. Antitrust Guidelines

- The antitrust guidelines will be covered by Ms. Laura Kennedy. The points are:

  Antitrust guidelines direct meeting participants to avoid discussion of topics or behavior that would result in anticompetitive behavior including: restraint of trade and conspiracies to monopolize, unfair or deceptive business acts or practices, price discriminations, division of markets, allocation of production, imposition of boycotts, and exclusive dealing arrangements.

  Any views, opinions or positions presented or discussed by meeting participants are the views of the individual meeting participants and their organizations. Any such views, opinions or positions are not the views, positions or opinions of NAESB, the NAESB Board of Directors, or any NAESB Committee or Subcommittee, unless specifically noted otherwise.

  As it is not the purpose of the meeting to discuss any antitrust topics, if anyone believes we are straying into improper areas, please let us know and we will redirect the conversation.

EC Members & Terms

North American Energy Standards Board
1301 Fannin, Suite 2350, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: naesb@naesb.org
Home Page: www.naesb.org

NORTH AMERICAN ENERGY STANDARDS BOARD
2007 EXECUTIVE COMMITTEE TERMS – Wholesale Electric Quadrant

TRANSMISSION SEGMENT		**TERM END:**	**SUBSEGMENT:**
Patrick McGovern	Manager - System Services, Georgia Transmission Corporation	12-31-2007	Muni/Coop
Steven C. Cobb	Manager Transmission Services, Salt River Project	12-31-2008	Fed/State/Prov.
Dean Ulch	Principal Engineer, Transmission Policy and Services Group, Southern Company Services	12-31-2008	IOU
Edward Davis	Policy Consultant, Entergy Services, Inc.	12-31-2007	IOU
Julie Voeck	Manager Strategic Policy and Planning, American Transmission Company	12-31-2008	ITC
Bob Harshbarger	OASIS Trading Manager, Puget Sound Energy	12-31-2007	at large
Linda Campbell	Vice President and Executive Director – Standards and Compliance, Florida Reliability Coordinating Council	12-31-2007	At-Large
GENERATION SEGMENT			
William J. Gallagher	General Manager of Vermont Public Power Supply Authority	12-31-2007	Muni/Coop
Kathy York	Sr. Energy Markets & Policy Specialist, Tennessee Valley Authority	12-31-2008	Fed/State/Prov.
Jalal Babik	Manager – Electric Policy, Dominion Resource Services, Inc.	12-31-2008	IOU
John Ciza	Project Manager Energy Policy and Regulatory Affairs, Southern Company Services	12-31-2007	IOU
V A C A N C Y		12-31-2008	Merchant
Gary Hinners	Director- West regulatory Issues, Reliant Energy, Inc.	12-31-2007	at large
Neal Balu	Director of Transmission Policy, Integrys Energy Services, Inc.	12-31-2007	at large
MARKETERS/BROKERS SEGMENT			
Clay A. Norris	Division Director, Planning, North Carolina Municipal Power Agency #1	12-31-2008	Muni/Coop
Clyde Harmon	Senior Manager, Trading Operations, Tennessee Valley Authority	12-31-2007	Fed/State/Prov.
Ralph Honeycutt	Director of Transmission Analysis & Operations – Merchant Management Group, SUEZ Energy Marketing NA, Inc.	12-31-2008	Not IOU Affiliated
Mark Mitchell	Manager of Power Marketing Supply and Trading Department, Salt River Project	12-31-2007	at large
John Apperson	Director – Commercial and Trading, PacifiCorp Energy	12-31-2008	IOU
Joel Dison	Project Manager, Southern Company Generation and Energy Marketing	12-31-2007	IOU
Barry Green	Barry Green Consulting (representing Electric Power Supply Association (EPSA))	12-31-2007	at large

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DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT		**TERM END:**	**SUBSEGMENT:**
Robert Williams	Director of Regulatory Affairs, Florida Municipal Power Agency	12-31-2008	Muni/Coop
Robert Schwermann	Energy Coordinator, Sacramento Municipal Utility District	12-31-2007	Muni/Coop
Alan Pritchard	Senior Engineer, Duke Energy Corporation	12-31-2008	IOU
John McCawley	Director – Energy Acquisition, Exelon Energy Delivery, Exelon Corporation – PECO Energy	12-31-2007	IOU
Robert Martinko	Consultant FERC Compliance, FirstEnergy Service Company	12-31-2008	at large
Syd Berwager	Industry Restructuring Project Manager, Bonneville Power Administration/Power Business Line	12-31-2007	Other
Andy Rodriquez	Manager of Business Practice Coordination, NERC	12-31-2007	At-Large
END USERS SEGMENT			
V A C A N C Y		12-31-2007	at large
V A C A N C Y		12-31-2008	at large
Lou Ann Westerfield	Policy Strategist, Idaho Public Utilities Commission, rep. National Association of Regulatory Utility Commissioners	12-31-2008	Regulator
V A C A N C Y		12-31-2007	at large
V A C A N C Y		12-31-2008	at large
V A C A N C Y		12-31-2007	Large Industrial
Paul Sorenson	Director-Central Markets Strategy, Open Access Technology International, Inc.	12-31-2007	At-Large
INDEPENDENT GRID OPERATORS/PLANNERS			
Stu Bresler	General Manager, Market Operations, PJM Interconnection	12-31-2008	
Jim Castle	Manager, Grid Operations, New York Independent System Operator, Inc.	12-31-2008	
Matt Goldberg	Director Reliability & Operations Compliance ISO New England, Inc.	12-31-2008	
Steve Greenleaf	Director Regional Market Initiatives, California ISO	12-31-2008	
Joel Mickey	Manager Market Operations Support, Electric Reliability Council of Texas	12-31-2007	
Larry Middleton	Technical Manager, Transmission Assets, Midwest Independent Transmission System Operator	12-31-2007	
Charles Yeung	Executive Director Interregional Affairs, Southwest Power Pool	12-31-2007	

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NORTH AMERICAN ENERGY STANDARDS BOARD
2007 EXECUTIVE COMMITTEE ALTERNATES – Wholesale Electric Quadrant
As of October 10, 2007

End User Segment		**Sub-Segment**
Bill Heinrich	New York State Dept. of Public Service	Regulators
Distribution/LSE Segment		**Sub-Segment**
Shannon Black	Senior Regulatory and Contracts Specialist, Sacramento Municipal Utility District	Muni/Coop
Wendy Weathers	Principal Analyst, Salt River Project	Other
Gerry Adamski	Vice President of Standards, NERC	At-Large
Generation Segment		**Sub-Segment:**
Francis Halpin	Bonneville Power Administration	Fed/State/Prov.
Marketer/Broker Segment		**Sub-Segment:**
Jeff Ackerman	Manager, CRSP-Energy Mgmt., Western Area Power Administration	Fed/State/Prov
Brenda Anderson	Bonneville Power Administration	Fed/State/Prov
Edison G. Elizeh	PacifiCorp	IOU Affiliated
Greg Locke	Manager, Strategic Analysis, ElectriCities of North Carolina	Muni/Coop
Valerie Crockett	Energy Markets & Policy Specialist, Tennessee Valley Authority	Fed/State/Prov
Carol McCrary	ElectriCities (North Carolina Municipal Power Agency #1)	Muni/Coop
Transmission Segment		**Sub-Segment:**
Barbara Rehman	Policy Manager, Bonneville Power Administration	Fed/State/Prov.
Tim Ponseti	Tennessee Valley Authority	Fed/State/Prov.
Chuck Feagans	Tennessee Valley Authority	Fed/State/Prov.
Bob McKee	American Transmission Company	ITC
Brian Weber	Manager – Transmission Strategy and Policy, PacifiCorp	IOU
Jane Daly	Rate & Regulatory Advisor, Arizona Public Service Company	IOU
William O. Ball	Vice President, Transmission Planning, Policy and Support Services, Southern Company Services, Inc.	IOU
Marceline Otondo	Regulatory Compliance Advisory, Arizona Public Service Company	IOU
Narinder Saini	Policy Consultant, Entergy Services, Inc.	IOU
J.T. Wood	Southern Company Services	IOU
Independent Grid Operators/Planners Segment		**Sub-Segment:**
Brent Kingsford	Sr. Operations Regulatory Specialist, CAISO	
Paul Wattles	Supervisor Demand Side Programs, Electric Reliability Council of Texas (ERCOT)	
Bill Blevins	Sr. Market Support Analyst, Electric Reliability	

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	Council of Texas (ERCOT)
Robert Coughlin	Principal Scientist Reliability & Operations Compliance, ISO New England, Inc.
Ed Skiba	Technical Manager Standards Compliance and Strategy, Midwest ISO
Brian Pedersen	Manager Transmission Services, Midwest ISO
Dean Hartung	Manager Real Time Market Operations, PJM Interconnection
Carl Monroe	Sr. Vice President Operations & Chief Operating Officer, Southwest Power Pool
Greg Campoli	Supervisor – Reliability Compliance and Assessment, New York ISO

Schedule of 2007-2008 Meetings

North American Energy Standards Board

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November 6, 2006

TO: NAESB Executive Committee and Interested Industry Participants
FROM: Rae McQuade, NAESB Executive Director
RE: Schedule of 2007 Meetings and 2008 Meetings

Below is the schedule for 2007 and plan for 2008 meetings for the Executive Committee, Board of Directors and Advisory Council. Unless sponsors are noted for the meetings, they have been scheduled for Houston. Should other sponsors volunteer in the next few weeks for 2008, the Houston locations may change:

2007 Calendar of Board and EC Meetings

Date	Meeting	Location
February 6-7	EC Meetings – WEQ. Retail	Houston
February 17	Advisory Council Meeting	Washington D.C. in conjunction with the NARUC Winter meetings
March 22	Board of Directors	Houston
May 8-10	Executive Committee Meetings (WEQ, Retail, WGQ)	Washington D.C.
June 28	Board of Directors Meeting & Strategic Planning Session	Austin, Texas
August 14	Executive Committee Meetings (WEQ)	Colorado Springs, CO
September 27	Board of Directors	Houston
November 6-8	Executive Committee Meetings (WEQ, Retail, WGQ)	Houston
December 13	Board of Directors	Houston

2008 Calendar of Board and EC Meetings

Date	Meeting	Location
February 5-7	EC Meetings (WEQ. Retail, WGQ)	Houston – NAESB Office
February 16	Advisory Council Meeting	Washington D.C. in conjunction with the NARUC Winter meetings
March 27	Board of Directors	Houston – Marriott IAH
May 13-15	Executive Committee Meetings (WEQ, Retail, WGQ)	Washington D.C. – AGA Offices
June 26	Board of Directors Meeting & Strategic Planning Session	TBD
August 19-21	Executive Committee Meetings (WEQ, Retail, WGQ)	Colorado Springs, CO – EPNG Offices
September 25	Board of Directors	Houston – Wyndham Greenspoint
November 4-6	Executive Committee Meetings (WEQ, Retail, WGQ)	Houston – NAESB Offices
December 18	Board of Directors	Houston – Wyndham Greenspoint

TAB 2

Agenda

- Contained in this section is the agenda and meeting announcement as posted on the NAESB web site.
- The WEQ EC chair will entertain motions from the EC members of that quadrant to adopt the agenda. The motions to adopt are simple majority.
- The materials in Tab 2 correspond to agenda item 2 for the EC agendas.

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October 25, 2007

TO: NAESB Wholesale Electric Quadrant Executive Committee and Interested Industry Participants

FROM: Rae McQuade, NAESB President

RE: WEQ Executive Committee Meeting Agenda

NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING
NAESB Offices, 1301 Fannin, Suite 2350, Houston, Texas 77001
November 6, 2007

As announced at prior Executive Committee meetings, meeting announcements and in other communications, the WEQ Executive Committee (WEQ EC) will meet in Houston on November 6. Below are the meeting arrangements:

Where: 1301 Fannin Street, Suite 2350, Houston, Texas, 77001
Room: 13th Floor – San Jacinto Room
When: Tuesday, November 6 -- 10:00 a.m. to 4:00 p.m. C
Contact: Veronica Thomason, 713-356-0060

As noted in the announcement sent on October 5, if you plan to attend the WEQ EC meeting, please RSVP to the NAESB office (naesb@naesb.org) as soon as you know so that proper meeting arrangements can be made. Hotel information is posted on the NAESB web site at http://www.naesb.org/pdf2/2007_houston_hotels.pdf. If you plan to participate by conference call, please contact the NAESB Office (713-356-0060 or naesb@naesb.org) to obtain the calling number and pass code. This meeting will be web cast as well. The meeting, conference calling and web casting is open to any interested party.

The materials for the meeting will be emailed to the participants and posted on the web site shortly. For agenda items where materials are already available and have been sent to you in prior communications, the links to those documents are included in the agenda for your convenience.

As always, the chair reserves the right to extend the time of the meeting to ensure that agenda items are addressed. The times indicated on the agenda will be followed to ensure that agenda items are allotted appropriate time slots. Should an agenda item conclude earlier than its stated time slot, the remaining time can be allotted to other agenda items at the discretion of the chair.

There are other WEQ meetings held in conjunction with the WEQ EC meeting. Those meeting are also held in the NAESB office and available via conference call and web cast. Those meetings are :

- Wednesday, November 7 — Joint NERC/NAESB BPS ATC-AFC Meeting — 9:00 am to Noon C, San Jacinto Rm, 13th Floor
- Wednesday, November 7 — ESS-ITS-BPS Meeting — 1:00 pm to 5:00 pm C, San Jacinto Rm, 13th Floor
- Thursday, November 8 — WEQ ESS-ITS Meeting — 9:00 am to 5:00 pm C, NAESB Office, 23rd Floor

You can access the materials for these meetings from the NAESB web site, at the pages specific for the subcommittees noted (http://www.naesb.org/weq/default.asp).

Please feel free to call the NAESB office should you have any questions or comments.

Best Regards,
Rae

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NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING
WHOLESALE ELECTRIC QUADRANT (WEQ) DRAFT AGENDA
Tuesday, November 6, 2007 – 10:00 am to 4:00 pm C

10:00 a.m.

1. Welcome
   - Antitrust Guidelines
   - Welcome to members and attendees
   - Introduction and Roll Call
2. Wholesale Electric Quadrant Draft Agenda & Draft Minutes
   - Adoption of WEQ Agenda
   - Adoption of Draft Minutes of August 14 and October 15, 2007 WEQ EC Meetings
3. Consideration of recommendations for standards, comments submitted, and vote on:
   - 2007 AP 2c Order 890 modifications to WEQ-001, comments due 9-21-07
   - C07001 Interpretation on WEQ-001-1.2 applications of standards to non-gas-fired generations facilities, comments due 11-5-07
   - R07010 Modify CI standard to require scheduling entities to be a required field for every submitted request for interchange, comments due 11-2-07
   - 2007 AP 2(ii) Order 890 work plan group 1 – conditional firm, annotations for ATC, Load Forecast and Actual Load, Re-Bid of Partial Service and Preconfirmation Priority, comments due 11-2-07
4. Review of actions taken on minor corrections, comments due 10-31-07 and 10-23-07, WEQ EC actions due 10-31-07
5. Update on specific issues – no votes to be taken:
   - Order 890 Plan
   - TLR Split to business practices progress report
   - DSM-EE efforts
   - Status of the Registry
   - Status of Version 1 Publication
6. Subcommittee Updates and Plan Updates – no votes to be taken, except on changes suggested for the 2007 plan or if changes are suggested for the triage directions already approved by both Triage and the WEQ EC
   - Triage Subcommittee
   - Business Practices Subcommittee (BPS)
   - Electronic Scheduling (ESS) and Information Technology (ITS) Subcommittees
   - Joint Interchange Scheduling Working Group (JISWG)
   - Standards Review Subcommittee (SRS)
   - E-Tariff
   - Interpretations
   - Identify and vote to adopt proposed changes to the 2007 Annual Plan
7. Review, discuss and vote to approve 2008 Annual Plan
8. Board of Directors, Board Committee and Regulatory Updates – no votes to be taken
   - Board Updates
   - Wholesale Gas and Retail key activities
   - Regulatory Updates
9. New Business
   - Election of Officers for 2008

4:00 p.m.

10. Adjourn

Attire – Business Casual

TAB 3

Minutes – August 14, 2007

Minutes – October 15, 2007

- Contained in this section are two sets of minutes for approval. The 8-14-07 minutes are redlined with suggested edits from Mr. Davis.
- The WEQ EC chair will entertain motions from the EC members of that quadrant to adopt the agenda. The motions to adopt are simple majority.
- The materials in Tab 3 correspond to agenda item 2.

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August 24, 2007

TO: NAESB Wholesale Electric Quadrant Executive Committee and Interested Industry Participants

FROM: Laura Kennedy, Director, Standards Development

RE: Wholesale Electric Quadrant Executive Committee Meeting Revised Draft Minutes – August 14, 2007

NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING
WHOLESALE ELECTRIC QUADRANT (WEQ)
Tuesday, August 14, 2007 – 10:00 am to 4:00 pm Mountain
Hosted by El Paso Natural Gas – Colorado Springs, CO
REVISED DRAFT MINUTES

1. Welcome

Ms. York opened the meeting and welcomed the meeting participants in the room and on the phone. Ms. Kennedy read the antitrust guidelines. Ms. Kennedy called the roll of the WEQ Executive Committee members and Alternates. Quorum was established.

2. Wholesale Electric Quadrant Draft Agenda & Draft Minutes

The Executive Committee reviewed the agenda. Mr. Schwermann moved, seconded by Mr. Ulch, to adopt the agenda as drafted. The motion passed without objection.

Next, the Executive Committee reviewed the minutes from the May 8, 2007 WEQ Executive Committee meeting. Ms. Crockett submitted redline changes to the minutes included on pages 24-41 of the Executive Committee book. Mr. Norris moved, seconded by Mr. Ciza, to adopt the minutes as revised by Ms. Crockett. The motion passed without objection. The final minutes are posted on the NAESB WEQ Executive Committee page: Final Minutes.

The Executive Committee reviewed the minutes from the July 20, 2007 WEQ Executive Committee conference call. Ms. Crockett also submitted redline changes to these minutes included on pages 42-49 of the Executive Committee book. Mr. Gallagher moved, seconded by Mr. Pritchard, to adopt the minutes as revised by Ms. Crockett. The motion passed without objection. The final minutes are posted on the NAESB WEQ Executive Committee page: Final Minutes.

3. Consideration of recommendations for standards, comments submitted, and vote on:

R07007 – Update the timing table to reflect the categories used in the latest e-Tag specification with respect to arranged interchange (RFI): The Executive Committee reviewed the Recommendation R07007 included on pages 52-57 of the Executive Committee book. Mr. Davis stated that the table for "all Interconnections except WECC" did not reflect the current table, which only has three rows. He noted that a column had also been added. Mr. Davis stated that he did not support the second row that deals with tags submitted less than fifteen minutes prior to ramp start and less than one hour after the start time, which are considered late. Mr. Davis stated that when Transmission Providers (TPs) receive a request for service less than fifteen minutes prior to the ramp start, the TP does not have fifteen minutes to evaluate the request and get it into the EMS as the table indicates. He added that the table labels column D as "Minimum Total Reliability Period" and that fifteen minutes would not be enough

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time to evaluate and implement the request. Mr. Davis noted that the original Coordinate Interchange business practice standards included a note that tags that are submitted late are passively denied and will be evaluated. Mr. Davis moved, seconded by Mr. Castle, to remove the second row from the table that applies to all Interconnections except WECC.

Mr. Harshbarger stated that without the second row, there would not be a definition of Late. He noted that the e-Tag specification points to the NERC Reliability Standards and NAESB Business Practice Standards to determine when it is appropriate to label a tag as On Time or Late or After the Fact. The values in the table delineate how to assign those labels to a tag based on the tag submittal time. Mr. Harshbarger stated that inclusion of this table as proposed simply standardizes what is already in the e-Tag specification.

Mr. Davis stated that in the original Coordinate Interchange business practice standards adopted in Final Action R03013 a sentence was included that stated that RFIs submitted that do not meet these requirements shall be considered late and will be denied if not explicitly approved by all parties. Mr. Davis added that the timing requirements set forth in the table make it impossible for an e-Tag reviewer and approver to implement.

Mr. Harshbarger asked how the table would require an implementation that is different from the way tags are evaluated today, when the reviewer can simply deny the tag. Mr. Davis stated that the table implies that the reviewer must evaluate the tag and come up with an answer within a certain time frame, while the practice today is that it is simply denied. Mr. Harshbarger stated that the standards in place today require a response and that the reviewer must actively respond or will be in violation NERC Reliability Standards in place. If asked to evaluate an e-Tag, a response of denial or approval is required.

Mr. Sorenson did not support the removal of the second row. Mr. Sorenson stated that there are two cases that are dealt with by the inclusion of the second row: one is the fifteen minutes to ramp, which is requires best efforts. If there is no time to assess, then a denial can be issued immediately. The other case is after the ramp when specifications for emergency schedules which were implemented and there is a need to backfill the documentation. This table sets forth the assessment time for those backfill transactions.

Mr. Davis stated that the table does not include language to state that the late tags are denied unless a response is issued. Mr. Davis stated that if the tag is submitted late, then he does not want to be required to respond. Mr. Harshbarger stated that the NERC standards require a response. Mr. Rodriquez cited NERC Reliability Standard INT006-2 which states "Prior to the expiration of the reliability assessment period defined in the Timing Table, Column B, the Balancing Authority and Transmission Service Provider shall respond to a request from an Interchange Authority to transition an Arranged Interchange to a Confirmed Interchange." Mr. Harshbarger stated that stated that the fifteen minutes accounts for the Interchange Authority and the Balancing Authority and TP actions.

Mr. Ulch asked if the same modifications were being considered at NERC in a SAR. Mr. Harshbarger stated that was the case.

After further discussion, Mr. Rodriquez requested that Mr. Davis and Mr. Castle withdraw their motion in favor of a new motion to remand the Recommendation for R07007 back to the JISWG to address Mr. Davis' concerns. Mr. Davis and Mr. Castle accepted Mr. Rodriquez' suggestion. Mr. Rodriquez then called the question. Mr. Sorenson requested that the motion be revised to include that the modifications should wait to see what happens in the NERC SAR process and standard process. Mr. Davis and Mr. Castle accepted Mr. Sorenson's suggestion. The motion unanimously passed a simple majority vote. [*Vote 1*].

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Possible reconsideration of R04006D Revision to the Resales standards based on discussions with FERC staff: Next, Ms. McQuade reviewed the information found on page 58 of the Executive Committee book. She stated that the WEQ Executive Committee adopted a recommendation to revise the Resales standards contained in Final Action R04006D – titled Recommendation WEQ 2007 Annual Plan Item 2 during the May 8, 2007 meeting. The Recommendation as revised by the WEQ Executive Committee was posted for member ratification on June 22, 2007 and ratified on July 23, 2007.

As noted on page 58 of the Executive Committee book, FERC staff provided informal remarks on Standard Y.5.3 "expressing the common price in terms of '$/MW-Hour reserved' when the shortest duration of firm transmission service included in the pro forma OATT is daily service may raise concerns."

Ms. McQuade stated that the WEQ Executive Committee had three options to choose from for action: modify the Final Action based on the discussion and process as a minor correction; remand to the subcommittee for further development; or do nothing.

Mr. Ulch supported modification of the Final Action as a minor correction. He suggested removal of the language on pricing altogether or to quote the price of the product that is being reassigned or resold in the same dimensions or units.

Mr. Berwager stated that the FERC staff comments state that it "may" create a problem. He noted that the WEQ Executive Committee considered this issue and had significant discussion during the May 8, 2007 meeting. Mr. Berwager supported doing nothing to the Final Action as ratified by the WEQ membership.

Mr. Sorenson stated that even with the comments from FERC staff, there are still open issues that will likely be addressed in the Rehearing for Order 890. It is still unknown whether Resales are only for firm service. The comments from FERC staff seem to imply that is the case, but the pro forma OATT makes no mention of that restriction on Resales. Mr. Sorenson stated that the Final Action should not be remanded to the subcommittee prior to Rehearing. Mr. Sorenson he would support striking the sentence on pricing or taking no action until the Rehearing Order is issued.

Mr. Pritchard noted that Y.3.1 permits the hourly resale of a monthly reservation. Mr. Pritchard suggested that the language in Y.5.3 be modified to state dollars per mw hour resold instead of reserved so the unit points to the Resale rather than the original reservation.

Mr. Rodriquez moved, seconded by Mr. Ulch, that the WEQ Executive Committee reconsider Final Action WEQ 2007 Annual Plan Item 2. Though a roll call vote was not taken, fifteen voted in favor. Mr. Pritchard, Mr. Martinko, and Mr. Sorenson voted in opposition. Mr. Harshbarger, Mr. Berwager, Mr. Cobb, and Mr. Castle abstained. The motion passed a simple majority vote.

Mr. Sorenson moved, seconded by Mr. Gallagher, to do nothing pending FERC Rehearing of Order 890 and Resales issues in general. Mr. Wood noted that doing nothing will make the Final Action as ratified be submitted as Version 1. Mr. Gallagher stated that he did not think the FERC staff comments were compelling enough to make modifications and noted that the subcommittee and WEQ Executive Committee spent a lot of time on the language for this standard.

Mr. Cobb asked the TPs how compelling it is to make the modification to the language at this time. Mr. Ulch stated that there will be an inconsistencies in the pricing of the products. Mr. Wood added that it will make it difficult for customers to decide what the product is and will make it difficult to determine what the price will be for the Resale.

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Mr. Gallagher noted that the same discussion took place at the May 8 meeting and stated that it is simply a matter of arithmetic.

The roll call was taken for the vote on the motion. The motion passed a simple majority vote. [*Vote 2*].

Discussion and possible reconsideration of segment block of R06025: Next, Ms. McQuade stated that the WEQ Executive Committee had the option to vote to reconsider the Recommendation for R06025 (Modify Appendix D of WEQ 004 to add an explanation for the terms "required" and "correctable", to add a sentence clarifying that tag data elements are not correctable and are not required, and to make the element of energy Product Type required), that failed to achieve the super majority vote for adoption during the July 20, 2007 conference call of the WEQ Executive Committee. The recommendation as revised by the WEQ Executive Committee and voted on was included on pages 67-72 of the Executive Committee book.

Ms. McQuade noted that when the recommendation was considered by the WEQ Executive Committee on July 20, 2007, the recommendation failed to achieve the required super majority vote of the WEQ Executive Committee due to a segment block by the Independent Grid Operator/Planner Segment. She added that she is required to report any segment blocks to the Board of Directors and to the FERC.

Mr. Cobb asked if any of the Independent Grid Operator/Planner members could provide insight as to the reason for the segment block. Mr. Yeung stated that several members of the segment abstained from the vote, which had the effect of a vote in opposition when there is a need for a super majority vote. Mr. Yeung added that the Independent Grid Operator/Planner members have concerns about the business need to make the Scheduling Entities Field a required field.

Mr. Castle asked if there were any alternatives to making the Scheduling Entities field a requirement when there is not a bus9iness reason to do so, such as in the case of the ISOs and RTOs since the Balancing Authorities are the Scheduling Entity. Mr. Castle suggested modifying the language to state "If the Scheduling Entity for the physical segment is not identical to the TSP on the physical segment, the Scheduling Entity must be required…"

Mr. Rodriquez stated that the NERC Reliability Standards cover this issue and there is no need to create a business practice standard to enforce a Reliability Standard. Mr. Rodriquez asked for an example of the commercial implications that would require making this field required.

Mr. Sorenson stated that it would be possible to enter into a transaction that wheels through Southern Company that is using Georgia Transmission that does not list Southern as the Scheduling Entity and Southern is not the Control Area. The Southern Control Area will never see the transaction. If the adjacent Balancing Authorities do not look at the transaction, then Southern cannot weigh in on the transaction. The requirement to have the field would ensure that everyone who should see the Scheduling Entity can do so. Mr. Sorenson added that in the case of a single transmission provider, there are cases of ambiguity that the requirement of the field could ensure that everyone gets the tag and reviews the tag. Mr. Harshbarger noted that entities should not be forced to wait until checkout time to take care of something that could have been addressed up front.

Mr. Ulch stated that he did not see a reason to avoid making the Scheduling Entity a required field.

After further discussion, Mr. Cobb moved, seconded by Mr. Sorenson, to reconsider the vote on Recommendation R06025. The motion passed a simple majority vote. [*Vote 3*].

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Next, Mr. Castle moved, seconded by Mr. Bresler, to modify 2.1.2.4 of the revised Recommendation, included on pages 67-72 of the Executive Committee book, to include an additional sentence "If the Scheduling Entity for the physical segment is not identical to the Transmission Service Provider (TSP) on that physical segment, the Scheduling Entity must be explicitly specified or required." and to delete the parenthetical "(Required)" from the section.

Mr. Sorenson offered alternative language for the new sentence: "If the Scheduling Entity code for that physical segment is not identical to the Transmission Service Provider (TSP) code on that physical segment, the Scheduling Entity code must be explicitly specified or required."

Mr. Castle and Mr. Bresler supported modifying their motion to replace the language of the proposed new sentence with the one proposed by Mr. Sorenson.

Mr. Cobb noted that the field is needed in the WECC for scheduling purposes because the WIT needs that information to calculate the net scheduled interchange between Balancing Authorities. Mr. Ulch proposed adding an additional sentence to state that the field is required for the WECC. Mr. Castle and Mr. Bresler supported modifying their motion to include the additional sentence as proposed by Mr. Ulch. The agreed sentence was "This field is required for the Western Interconnect."

To summarize, the motion as revised was to revise Section 2.1.2.4 with the following: remove the parenthetical (Required); add a sentence that states: "If the Scheduling Entity code for that physical segment is not identical to the Transmission Service Provider (TSP) code on that physical segment, the Scheduling Entity code must be explicitly specified or required."; and add a sentence that states "This field is required for the Western Interconnect." The revised Recommendation can be found posted as an attachment to these minutes: Attachment- Recommendation R06025 - Revised By WEQ Executive Committee on 08/14/2007 - Clean; Attachment- Recommendation R06025 - Revised By WEQ Executive Committee on 08/14/2007 - Redline.

A roll call vote was taken to determine if the required super majority vote was achieved. While there were sufficient votes to garner the required 40% in favor within each segment, the required super majority vote was not achieved, due to the need for twenty-five votes. Only twenty-four votes were cast. Ms. McQuade stated that the recommendation would be posted for notational ballot to determine if the super majority vote was achieved. [*Vote 4*].

4. Consideration and vote on Minor Corrections

Next, Ms. York reviewed the Minor Correction submitted by the WEQ Business Practices Subcommittee (BPS) included on pages 74-76 of the Executive Committee book. She noted that the goal of the Minor Correction was to update references in the existing TLR standards to reference the most current version of the NERC IRO 006 Reliability Standards.

Ms. McQuade stated that external references must be to a specific version and could not be generic because if the references were generic. To adopt language with generic external references would result in a reference to language that was subject to change. Ms. York stated that the versions referenced in the NAESB TLR standards no longer exist at NERC.

Ms. York suggested that the Minor Correction be withdrawn instead of making modifications to the language due to the fact that other WEQ BPS members were not present. She added that she would work with the WEQ BPS to determine an alternative to the Minor Correction as proposed. There was no opposition to the withdrawal of the Minor Correction.

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5. Progress on Scoping Document for R05026 and assignment of tasks

The WEQ Executive Committee reviewed the Scoping Document for Request No. R05026 (Thirteen Incremental Enhancements to OASIS) during the May 8, 2007 meeting. The WEQ Executive Committee assigned each item to a subcommittee, save three. Ms. Kennedy is in the process of drafting a letter to Calpine to request further clarification on Items C, G, and I. The letter will be posted on the NAESB website when it is sent to Calpine.

6. Update on Specific Issues

Order 890 Plan – including FERC Technical Conference on Order 890: Ms. McQuade reviewed the portion of the Seams Matrix that identified items that may require action based on the outcome of the FERC OATT Reform Order on pages 121-123 of the Executive Committee book. Ms. McQuade asked if Order 890 required that these issues be reevaluated by the Seams Subcommittee. Mr. Schwermann stated that it would not be necessary at this time for the items to be addressed by the Seams Subcommittee as they are being addressed in other forums. Mr. Schwermann moved, seconded by Mr. Ciza, that no action is required for Items 4, 26, 46, 103 and 114 of the Seams Matrix dated May 22, 2007. The motion passed a simple majority vote unanimously. Ms. McQuade stated that the Seams Matrix would be updated to reflect the action of the WEQ Executive Committee.

TLR Split to business practices progress report and joint development process with NERC: Next, Ms. York provided an overview of the progress of the WEQ BPS work with the NERC TLR Drafting Team. The NAESB TLR Update document can be found on pages 125-128 of the Executive Committee book. The NERC TLR split standards should be posted shortly for the ten day pre-ballot review period. Regardless of the outcome of the NERC TLR standard balloting, the NAESB Board of Directors has directed the NAESB office to submit the latest NAESB TLR standards with the Version 1 filing in late September, 2007.

Order 698: Ms. McQuade and Ms. York provided an overview of Order 698 and the plans in the Wholesale Gas Quadrant to develop or modify existing standards to address the Order. WEQ members were encouraged to participate in this effort as End Users in the Wholesale Gas Quadrant as the issues will clearly affect the electric industry. More information on Order 698 can be found on pages 129-131 of the Executive Committee book.

Drafting Collaborative: Ms. McQuade stated that she had distributed a notice to the WEQ Drafting Collaborative to determine if the members of the Drafting Collaborative would like to hold a meeting to discuss potential modifications to the NAESB WEQ Quadrant Procedures to remove the prohibition that a WEQ Executive Committee member cannot serve as a WEQ Board member and vice versa or if the Drafting Collaborative feels comfortable voting on this issue via notational ballot. It is the expectation that regardless of whether a meeting is held or the votes or handled via notational ballot, there will be a decision within the next six weeks.

E-Tag and Registry Status: Mr. Rodriquez stated that NERC has determined that the TSIN Registry is not in NERC's scope and are working to develop a transition plan for the TSIN Registry to be handled by another organization. NERC is very interested in NAESB taking over the management of the TSIN Registry. Ms. Costantini has been charged with working on the transition plan and on the negotiations with the IDC. Mr. Rodriquez added that joint meetings between NERC and NAESB should be scheduled to work on the transition of the TSIN Registry from NERC to NAESB. Ms. McQuade stated that NERC would need to provide a request to NAESB that NERC would like NAESB to administer the TSIN Registry before NAESB would take action to do so.

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Publication of Version 1.0: Ms. York noted that a list of the Final Actions that will be included in Version 1.0 of the NAESB WEQ standards was included on pages 149-150 of the Executive Committee book. Ms. Rager is working to apply the Final Actions to the existing WEQ standards. It is the expectation that Version 1.0 will be released in September-October 2007.

7. Subcommittee Updates and Plan Updates

Triage Subcommittee: A notice of action requested was distributed to the NAESB Executive Committee and Triage Subcommittee on August 10, 2007 with proposed assignments and priorities for:

Request R07008 - Add bidder email and bidder phone to the award download data set to meet tariff requirements of providing bidder information to the releasing shipper on a recallable deal);

Request R07009 - Review and update the Physical gas Annex to ISDA Agreement, based on the recently completed revised NAESB Base Contract for the Sale and Purchase of Natural Gas (NAESB Standard 6.3.1 9/5/06);

Request R07010 - Modify the NAESB Coordinate Interchange Standard to require that Scheduling Entity be a required field in every submitted request for interchange to remove ambiguity from the process of evaluating;

Request R07011 – Add code values to Charge Type element in Transportation/Sales Invoice dataset to indicate that the charge type is for fuel units purchased rather than retaining fuel in kind.

It is the expectation that only Request No. R07010 will be assigned to the WEQ. Mr. Bresler stated that with the disposition of Recommendation R06025 during this meeting, there may be no need to take action on Request No. R07010. Mr. Sorenson stated that the ESS/ITS would draft a Recommendation that no action be taking referencing the language adopted in R06025 once it is assigned to the ESS/ITS officially. The Request for action for the Triage assignments referenced above was posted as supplemental information for the Executive Committee meeting: Supplemental Material - NAESB Triage Actions Pending for R07008-R07011 - Corrected.

Business Practices Subcommittee: Ms. York, co-chair of the BPS, stated that the BPS is working on TLR and ATC issues now and both efforts are joint efforts with the NERC teams. A summary of all of the meetings the BPS has been involved in to date this year can be found on pages 158-162 of the Executive Committee book.

Electronic Scheduling Subcommittee/Information Technology Subcommittee (ESS/ITS): A summary of all of the meetings the ESS/ITS has been involved in to date this year can be found on pages 152-156 of the Executive Committee book. Mr. Sorenson, co-chair of the ESS/ITS, stated that the ESS/ITS is working on modifications to the OASIS S&CPs (WEQ002); OASIS S&CPs Implementation Guide (WEQ013); and OASIS S&CPs Data Dictionary (WEQ003) to include modifications to address Group 1 of the ESS/ITS Order 890 Work Plan (POSTING OF ETC; ANNOTATIONS FOR ATC; LOAD FORECAST AND ACTUAL LOAD; RE-BID OF PARTIAL SERVICE; AND PRECONFIRMATION PRIORITY). These modifications will also include functionality to address conditional firm postings required in Paragraph 1078 of Order 890. It is the expectation that a recommendation for the referenced will be posted for formal comment during one of the next few meetings. The ESS/ITS will continue to work through its assigned work on the Order 890 Work Plan.

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Joint Interchange Scheduling Working Group (JISWG): Mr. Harshbarger, co-chair of the JISWG for NAESB, stated that the JISWG has completed the scheduling for the testing of e-Tag Version 1.8. During the week of August 6-10, the first round of vendor tests were conducted. Tutorials will be held September 7, 11, and 25 for the industry. The tutorials will be advertised through NERC and NAESB website. Mr. Harshbarger noted that the JISWG plans to incorporate functionality to process conditional firm in the e-Tag Version 1.8 specification.

Mr. Harshbarger stated that during the processing of the proposal to implement functionality for conditional firm, comments were submitted by Midwest ISO that the JISWG determined should be addressed by the WEQ Executive Committee: Supplemental Material - JISWG Response to Comments on Conditional Design Posting. The comment from Midwest ISO stated that "…Therefore, we are requesting when these NAESB groups make changes to existing requirements, standards, and documents that they do not develop recommendations, which would require all entities to make system changes to support conditional firm point-to-point service. Additionally, we would like to have this exception documented in the appropriate NAESB Business Practices/Standards similarly to the way exceptions/variations are documented for others, such as the WECC exemptions under recommendation R06026." Mr. Skiba stated that Midwest ISO has a concern that NAESB standards will require action for which the ISOs and RTOs have been given a waiver from the FERC. Ms. McQuade stated that any time waivers are issued it is better to institutionalize them in the business practice standards adopted by NAESB. A summary of all of the JISWG meetings this year to date can be found on pages 156-158 of the Executive Committee book.

Standards Review Subcommittee: Mr. Saini stated that the SRS meets every other month to review NERC SARs that have been drafted to determine if there is a need to develop complementary NAESB business practice standards. During the August 1 meeting, the SRS did not find anything that would indicate the need to develop commercial business practices. A summary of all of the SRS meetings this year to date can be found on page 162 of the Executive Committee book.

Demand Side Management-Energy Efficiency: A summary of the efforts of the Demand Side Management-Energy Efficiency Subcommittee, a joint Subcommittee of the REQ, RGQ, and WEQ can be found on page 163 of the Executive Committee book. Ms. McQuade provided an overview of the efforts of this Subcommittee and noted that it is the goal of the group to complete draft standards by the end of the year.

e-Tariff Subcommittee: The e-Tariff Subcommittee, a joint Subcommittee of the WEQ and WGQ, has met approximately once a month since February. It is the goal of the Subcommittee to complete draft standards by the end of the year. A e-Tariff Subcommittee Technical Task Force was formed during the July 27 meeting. A summary of the meetings of the e-Tariff Subcommittee to date this year can be found on page 164-165 of the Executive Committee book.

8. Update on 2007 Annual Plan and Process to Develop 2008 Annual Plan

The Executive Committee reviewed the WEQ 2007 Annual Plan included on pages 167-175 of the Executive Committee book. Modifications were made to the Completion date of several items. Item 1(c) – Develop business practice standards to support Operate Within Limits (R03017) was moved to be a Provisional item. Item 1(f) – Develop jointly with NERC a Joint NERC/NAESB Operating manual was modified to note that the efforts were Underway. Mr. Pritchard moved, seconded by Mr. Sorenson, to adopt the modifications to the WEQ 2007 Annual Plan. The motion unanimously passed a simple majority vote. The revised WEQ 2007

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Annual Plan can be found posted as an attachment to these minutes: Attachment- WEQ 2007 Annual Plan 08/14/2007 (Redline).

9. Board of Directors, Board Committee and Regulatory Updates

Ms. McQuade provided the update on the Board of Directors and Board Committees. The minutes from the June 28, 2007 Board meeting can be found on pages 177-187 of the Executive Comittee book. The June meeting was also the annual meeting of the members and the strategic session of the Board. The notes from the WEQ Leadership meeting on June 27, 2007 are also in the Executive Committee book on pages 188-191.

10. New Business

Mr. Sorenson provided comments to the chair for discussion under New Business. The comments were whether the NAESB WEQ Executive Committee should consider removal of the portions of NAESB OASIS Business Practice Standards (WEQ-001) that are direct quotes of the FERC Regulations 18 C.F.R. 37.6 and 37.7 that were not adopted by FERC in Order 676. Mr. Sorenson noted that during the subcommittee work on Order 890 issues were raised as to why the NAESB standards would regurgitate the FERC regulations.

Mr. Ulch asked what is gained by having the standards reiterate the FERC regulations. Ms. McQuade noted that most of the NAESB WEQ-009 Standards of Conduct were also a regurgitation of the FERC Regulations.

There was significant discussion on the merits of removal of the portions of WEQ-001 and -009. It was determined that the OASIS standards that are repetitive of the existing regulations form a foundation for the remainder of the OASIS business practices and should remain as part of the NAESB business practice standards for the WEQ. Mr. Davis moved, seconded by Ms. Crockett, to remove the portions of WEQ-009 Standards of Conduct that FERC did not adopt in Order 676, Sections 009-1 through 009-5. The definitions will be maintained and the Final Action WEQ 2006 Annual Plan Item (3)(c)(i) - Development of business practice for Standards of Conduct link on OASIS page) will be included as 009-6 of the WEQ-009 standards. The motion unanimously passed a simple majority vote.

11. Adjourn

Mr. Crockett moved to adjourn. The meeting adjourned at 4:02 PM Mountain.

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12. Executive Committee Attendance and Voting Record[1] (Vacancies not shown on the table)

		ATTENDANCE	SUB-SEGMENT	VOTE 1	VOTE 2	VOTE 3	VOTE 4
TRANSMISSION SEGMENT							
Patrick McGovern	Manger - System Services, Georgia Transmission Corporation	In Person	Muni/Coop	S	O	S	O
Steven C. Cobb	Manager Transmission Services, Salt River Project	In Person	Fed/State/Prov.	S	S	S	S
Dean Ulch	Principal Engineer, Transmission Policy and Services Group, Southern Company Services	In Person	IOU	S	O	S	S
Edward Davis	Policy Consultant, Entergy Services, Inc.	In Person	IOU	S	O	S	S
Bob McKee Alt. for J. Voeck	American Transmission Company	Phone	ITC	S			
Bob Harshbarger	OASIS Trading Manager, Puget Sound Energy	In Person	at large	S	S	S	A
Linda Campbell	Vice President and Executive Director – Standards and Compliance, Florida Reliability Coordinating Council	Absent	At-Large				
GENERATION SEGMENT							
William J. Gallagher	General Manager of Vermont Public Power Supply Authority	In Person	Muni/Coop	S	S	S	S
Kathy York	Sr. Energy Markets & Policy Specialist, Tennessee Valley Authority	In Person	Fed/State/Prov.	S	S	S	S
Jalal Babik	Manager – Electric Policy, Dominion Resource Services, Inc.	Phone	IOU	S	A		S
John Ciza	Project Manager Energy Policy and Regulatory Affairs, Southern Company Services	In Person	IOU	S	O	S	S
Gary Hinners	Director- West regulatory Issues, Reliant Energy, Inc.	Absent	at large				
Neal Balu	Director of Transmission Policy, Integrys Energy Services, Inc.	Phone	at large	S	S		S
MARKETERS/BROKERS SEGMENT							

[1] Voting Record Legend: S = Support; O = Oppose; A = Abstain; B = Notational Ballot

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		ATTENDANCE	SUB-SEGMENT	VOTE 1	VOTE 2	VOTE 3	VOTE 4
Clay Norris	Division Director, Planning, North Carolina Municipal Power Agency #1	Phone	Muni/Coop	S	S		S
Valerie Crockett, Alt. for C Harmon	Energy Markets & Policy Specialist, Tennessee Valley Authority	In Person	Fed/State/Prov.	S	S	S	S
Ralph Honeycutt	Director of Transmission Analysis & Operations – Merchant Management Group, SUEZ Energy Marketing NA, Inc.	In Person	Not IOU Affiliated	S	S	S	S
Mark Mitchell	Manger of Power Marketing Supply and Trading Department, Salt River Project	Absent	at large				SB[2]
John Apperson	Director – Commercial and Trading, PacifiCorp Energy	Absent	IOU				
Joel Dison	Project Manager, Southern Company Generation and Energy Marketing	Absent	IOU				
Jim R. Stanton	Project Manager, ICF International (representing Electric Power Supply Association (EPSA))	Absent	at large				
DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT							
Robert Williams	Director of Regulatory Affairs, Florida Municipal Power Agency	Absent	Muni/Coop				
Robert Schwermann	Energy Coordinator, Sacramento Municipal Utility District	In Person	Muni/Coop	S	S	S	S
Alan Pritchard	Senior Engineer, Duke Energy Corporation	In Person	IOU	S	S	S	S
John McCawley	Director – Energy Acquisition, Exelon Energy Delivery, Exelon Corporation – PECO Energy	Absent	IOU				
Robert Martinko	Consultant FERC Compliance, FirstEnergy Service Company	In Person	at large	S	S	S	S
Syd Berwager	Industry Restructuring Project Manager, Bonneville Power Administration/Power Business Line	In Person	Other	S	S	S	S
Andy Rodriquez	Manager of Business Practice Coordination, NERC	In Person	At-Large	S	A	A	A
END USERS SEGMENT							
Bill Heinrich, Alt.	New York State Department of Public Service	Phone	Regulator	S	A	S	S

[2] Mr. Mitchell voted in favor of the motion to adopt the revised Recommendation R06025 via notational ballot.

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		ATTENDANCE	SUB-SEGMENT	VOTE 1	VOTE 2	VOTE 3	VOTE 4
for L. Westerfield							
John Hughes	Vice President Technical Affairs, Electricity Consumers Resource Council (ELCON)	Absent	Large Industrial				
Paul Sorenson	Director-Central Markets Strategy, Open Access Technology International, Inc.	In Person	At-Large	S	S	S	S
INDEPENDENT GRID OPERATORS/PLANNERS							
Stu Bresler	General Manager, Market Operations, PJM Interconnection	Phone		S	S	S	S
Jim Castle	Manager, Grid Operations, New York Independent System Operator, Inc.	Phone		S	S	S	S
Matt Goldberg	Director Reliability & Operations Compliance ISO New England, Inc.	Phone		S	S	S	S
Steve Greenleaf	Director Regional Market Initiatives, California ISO	Phone		S	S	S	S
Joel Mickey	Manager Market Operations Support, Electric Reliability Council of Texas	In Person		S	S	S	S
Larry Middleton	Technical Manager, Transmission Assets, Midwest Independent Transmission System Operator	In Person		S	S	S	S
Charles Yeung	Executive Director Interregional Affairs, Southwest Power Pool	In Person		S	S	S	S

13. Additional Attendance

Name	Organization	Attendance
Jonathan Booe	NAESB	Phone
Christopher Burden	Williams Gas Pipeline	In Person
Kristie Cocco	Salt River Project	In Person
Dale Davis	Williams Gas Pipeline	In Person
Chuck Feagans	Tennessee Valley Authority	Phone
Laura Kennedy	NAESB	In Person
Mark Klein	Public Service Company of New Mexico	Phone
Bill Lohrman	Prague Power	Phone
Rae McQuade	NAESB	In Person

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Name	Organization	Attendance
Marci Otondo	Arizona Public Service	In Person
Marjorie Perlman	Energy East	Phone
Barbara Rehman	BPA	Phone
Narinder Saini	Entergy	In Person
Ed Skiba	MISO	In Person
Veronica Thomason	NAESB	In Person
Mike Wells	WECC	Phone
JT Wood	Southern Company	Phone

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August 24, 2007

TO: NAESB Wholesale Electric Quadrant Executive Committee and Interested Industry Participants

FROM: Laura Kennedy, Director, Standards Development

RE: Wholesale Electric Quadrant Executive Committee Meeting Revised Draft Minutes – August 14, 2007

NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING
WHOLESALE ELECTRIC QUADRANT (WEQ)
Tuesday, August 14, 2007 – 10:00 am to 4:00 pm Mountain
Hosted by El Paso Natural Gas – Colorado Springs, CO
REVISED DRAFT MINUTES

1. Welcome

Ms. York opened the meeting and welcomed the meeting participants in the room and on the phone. Ms. Kennedy read the antitrust guidelines. Ms. Kennedy called the roll of the WEQ Executive Committee members and Alternates. Quorum was established.

2. Wholesale Electric Quadrant Draft Agenda & Draft Minutes

The Executive Committee reviewed the agenda. Mr. Schwermann moved, seconded by Mr. Ulch, to adopt the agenda as drafted. The motion passed without objection.

Next, the Executive Committee reviewed the minutes from the May 8, 2007 WEQ Executive Committee meeting. Ms. Crockett submitted redline changes to the minutes included on pages 24-41 of the Executive Committee book. Mr. Norris moved, seconded by Mr. Ciza, to adopt the minutes as revised by Ms. Crockett. The motion passed without objection. The final minutes are posted on the NAESB WEQ Executive Committee page: Final Minutes.

The Executive Committee reviewed the minutes from the July 20, 2007 WEQ Executive Committee conference call. Ms. Crockett also submitted redline changes to these minutes included on pages 42-49 of the Executive Committee book. Mr. Gallagher moved, seconded by Mr. Pritchard, to adopt the minutes as revised by Ms. Crockett. The motion passed without objection. The final minutes are posted on the NAESB WEQ Executive Committee page: Final Minutes.

3. Consideration of recommendations for standards, comments submitted, and vote on:

R07007 – Update the timing table to reflect the categories used in the latest e-Tag specification with respect to arranged interchange (RFI): The Executive Committee reviewed the Recommendation R07007 included on pages 52-57 of the Executive Committee book. Mr. Davis stated that the table for "all Interconnections except WECC" did not reflect the current table, which only has three rows. He noted that a column had also been added. Mr. Davis stated that he did not support the second row that deals with tags submitted less than fifteen minutes prior to ramp start and less than one hour after the start time, which are considered late. Mr. Davis stated that when Transmission Providers (TPs) receive a request for service less than fifteen minutes prior to the ramp start, the TP does not have fifteen minutes to evaluate the

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request and get it into the EMS as the table indicates. He added that the table labels column D as "Minimum Total Reliability Period" and that fifteen minutes would not be enough time to evaluate and implement the request. Mr. Davis noted that the original Coordinate Interchange business practice standards included a note that tags that are submitted late are passively denied ,will be considered late and will be denied if not explicitly approved by all parties.~~and will be evaluated~~. Mr. Davis moved, seconded by Mr. Castle, to remove the second row from the table that applies to all Interconnections except WECC.

Mr. Harshbarger stated that without the second row, there would not be a definition of Late. He noted that the e-Tag specification points to the NERC Reliability Standards and NAESB Business Practice Standards to determine when it is appropriate to label a tag as On Time or Late or After the Fact. The values in the table delineate how to assign those labels to a tag based on the tag submittal time. Mr. Harshbarger stated that inclusion of this table as proposed simply standardizes what is already in the e-Tag specification.

Mr. Davis stated that in the original Coordinate Interchange business practice standards adopted in Final Action R03013 a sentence was included that stated that RFIs submitted that do not meet these requirements shall be considered late and will be denied if not explicitly approved by all parties. Mr. Davis added that the timing requirements set forth in the table make it impossible for an e-Tag reviewer and approver to implement.

Mr. Harshbarger asked how the table would require an implementation that is different from the way tags are evaluated today, when the reviewer can simply deny the tag. Mr. Davis stated that the table implies that the reviewer must evaluate the tag and come up with an answer within a certain time frame, while the practice today is that it is simply denied. Mr. Harshbarger stated that the standards in place today require a response and that the reviewer must actively respond or will be in violation NERC Reliability Standards in place. If asked to evaluate an e-Tag, a response of denial or approval is required.

Mr. Sorenson did not support the removal of the second row. Mr. Sorenson stated that there are two cases that are dealt with by the inclusion of the second row: one is the fifteen minutes to ramp, which is requires best efforts. If there is no time to assess, then a denial can be issued immediately. The other case is after the ramp when specifications for emergency schedules which were implemented and there is a need to backfill the documentation. This table sets forth the assessment time for those backfill transactions.

Mr. Davis stated that the table does not include language to state that the late tags are denied unless a response is issued. Mr. Davis stated that if the tag is submitted late, then he does not want to be required to respond. Mr. Harshbarger stated that the NERC standards require a response. Mr. Rodriquez cited NERC Reliability Standard INT006-2 which states "Prior to the expiration of the reliability assessment period defined in the Timing Table, Column B, the Balancing Authority and Transmission Service Provider shall respond to a request from an Interchange Authority to transition an Arranged Interchange to a Confirmed Interchange." Mr. Harshbarger stated that stated that the fifteen minutes accounts for the Interchange Authority and the Balancing Authority and TP actions.

Mr. Ulch asked if the same modifications were being considered at NERC in a SAR. Mr. Harshbarger stated that was the case.

After further discussion, Mr. Rodriquez requested that Mr. Davis and Mr. Castle withdraw their motion in favor of a new motion to remand the Recommendation for R07007 back to the JISWG to address Mr. Davis' concerns. Mr. Davis and Mr. Castle accepted Mr. Rodriquez' suggestion.

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Mr. Rodriquez then called the question. Mr. Sorenson requested that the motion be revised to include that the modifications should wait to see what happens in the NERC SAR process and standard process. Mr. Davis and Mr. Castle accepted Mr. Sorenson's suggestion. The motion unanimously passed a simple majority vote. [*Vote 1*].

Possible reconsideration of R04006D Revision to the Resales standards based on discussions with FERC staff: Next, Ms. McQuade reviewed the information found on page 58 of the Executive Committee book. She stated that the WEQ Executive Committee adopted a recommendation to revise the Resales standards contained in Final Action R04006D – titled Recommendation WEQ 2007 Annual Plan Item 2 during the May 8, 2007 meeting. The Recommendation as revised by the WEQ Executive Committee was posted for member ratification on June 22, 2007 and ratified on July 23, 2007.

As noted on page 58 of the Executive Committee book, FERC staff provided informal remarks on Standard Y.5.3 "expressing the common price in terms of '$/MW-Hour reserved' when the shortest duration of firm transmission service included in the pro forma OATT is daily service may raise concerns."

Ms. McQuade stated that the WEQ Executive Committee had three options to choose from for action: modify the Final Action based on the discussion and process as a minor correction; remand to the subcommittee for further development; or do nothing.

Mr. Ulch supported modification of the Final Action as a minor correction. He suggested removal of the language on pricing altogether or to quote the price of the product that is being reassigned or resold in the same dimensions or units.

Mr. Berwager stated that the FERC staff comments state that it "may" create a problem. He noted that the WEQ Executive Committee considered this issue and had significant discussion during the May 8, 2007 meeting. Mr. Berwager supported doing nothing to the Final Action as ratified by the WEQ membership.

Mr. Sorenson stated that even with the comments from FERC staff, there are still open issues that will likely be addressed in the Rehearing for Order 890. It is still unknown whether Resales are only for firm service. The comments from FERC staff seem to imply that is the case, but the pro forma OATT makes no mention of that restriction on Resales. Mr. Sorenson stated that the Final Action should not be remanded to the subcommittee prior to Rehearing. Mr. Sorenson he would support striking the sentence on pricing or taking no action until the Rehearing Order is issued.

Mr. Pritchard noted that Y.3.1 permits the hourly resale of a monthly reservation. Mr. Pritchard suggested that the language in Y.5.3 be modified to state dollars per mw hour resold instead of reserved so the unit points to the Resale rather than the original reservation.

Mr. Rodriquez moved, seconded by Mr. Ulch, that the WEQ Executive Committee reconsider Final Action WEQ 2007 Annual Plan Item 2. Though a roll call vote was not taken, fifteen voted in favor. Mr. Pritchard, Mr. Martinko, and Mr. Sorenson voted in opposition. Mr. Harshbarger, Mr. Berwager, Mr. Cobb, and Mr. Castle abstained. The motion passed a simple majority vote.

Mr. Sorenson moved, seconded by Mr. Gallagher, to do nothing pending FERC Rehearing of Order 890 and Resales issues in general. Mr. Wood noted that doing nothing will make the Final Action as ratified be submitted as Version 1. Mr. Gallagher stated that he did not think the FERC staff comments were compelling enough to make modifications and noted that the subcommittee and WEQ Executive Committee spent a lot of time on the language for this standard.

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Mr. Cobb asked the TPs how compelling it is to make the modification to the language at this time. Mr. Ulch stated that there will be an inconsistencies in the pricing of the products. Mr. Wood added that it will make it difficult for customers to decide what the product is and will make it difficult to determine what the price will be for the Resale.

Mr. Gallagher noted that the same discussion took place at the May 8 meeting and stated that it is simply a matter of arithmetic.

The roll call was taken for the vote on the motion. The motion passed a simple majority vote. [*Vote 2*].

Discussion and possible reconsideration of segment block of R06025: Next, Ms. McQuade stated that the WEQ Executive Committee had the option to vote to reconsider the Recommendation for R06025 (Modify Appendix D of WEQ 004 to add an explanation for the terms "required" and "correctable", to add a sentence clarifying that tag data elements are not correctable and are not required, and to make the element of energy Product Type required), that failed to achieve the super majority vote for adoption during the July 20, 2007 conference call of the WEQ Executive Committee. The recommendation as revised by the WEQ Executive Committee and voted on was included on pages 67-72 of the Executive Committee book.

Ms. McQuade noted that when the recommendation was considered by the WEQ Executive Committee on July 20, 2007, the recommendation failed to achieve the required super majority vote of the WEQ Executive Committee due to a segment block by the Independent Grid Operator/Planner Segment. She added that she is required to report any segment blocks to the Board of Directors and to the FERC.

Mr. Cobb asked if any of the Independent Grid Operator/Planner members could provide insight as to the reason for the segment block. Mr. Yeung stated that several members of the segment abstained from the vote, which had the effect of a vote in opposition when there is a need for a super majority vote. Mr. Yeung added that the Independent Grid Operator/Planner members have concerns about the business need to make the Scheduling Entities Field a required field.

Mr. Castle asked if there were any alternatives to making the Scheduling Entities field a requirement when there is not a bus9iness reason to do so, such as in the case of the ISOs and RTOs since the Balancing Authorities are the Scheduling Entity. Mr. Castle suggested modifying the language to state "If the Scheduling Entity for the physical segment is not identical to the TSP on the physical segment, the Scheduling Entity must be required…"

Mr. Rodriquez stated that the NERC Reliability Standards cover this issue and there is no need to create a business practice standard to enforce a Reliability Standard. Mr. Rodriquez asked for an example of the commercial implications that would require making this field required.

Mr. Sorenson stated that it would be possible to enter into a transaction that wheels through Southern Company that is using Georgia Transmission that does not list Southern as the Scheduling Entity and Southern is not the Control Area. The Southern Control Area will never see the transaction. If the adjacent Balancing Authorities do not look at the transaction, then Southern cannot weigh in on the transaction. The requirement to have the field would ensure that everyone who should see the Scheduling Entity can do so. Mr. Sorenson added that in the case of a single transmission provider, there are cases of ambiguity that the requirement of the field could ensure that everyone gets the tag and reviews the tag. Mr. Harshbarger noted that entities should not be forced to wait until checkout time to take care of something that could have been addressed up front.

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Mr. Ulch stated that he did not see a reason to avoid making the Scheduling Entity a required field.

After further discussion, Mr. Cobb moved, seconded by Mr. Sorenson, to reconsider the vote on Recommendation R06025. The motion passed a simple majority vote. [*Vote 3*].

Next, Mr. Castle moved, seconded by Mr. Bresler, to modify 2.1.2.4 of the revised Recommendation, included on pages 67-72 of the Executive Committee book, to include an additional sentence "If the Scheduling Entity for the physical segment is not identical to the Transmission Service Provider (TSP) on that physical segment, the Scheduling Entity must be explicitly specified or required." and to delete the parenthetical "(Required)" from the section.

Mr. Sorenson offered alternative language for the new sentence: "If the Scheduling Entity code for that physical segment is not identical to the Transmission Service Provider (TSP) code on that physical segment, the Scheduling Entity code must be explicitly specified or required."

Mr. Castle and Mr. Bresler supported modifying their motion to replace the language of the proposed new sentence with the one proposed by Mr. Sorenson.

Mr. Cobb noted that the field is needed in the WECC for scheduling purposes because the WIT needs that information to calculate the net scheduled interchange between Balancing Authorities. Mr. Ulch proposed adding an additional sentence to state that the field is required for the WECC. Mr. Castle and Mr. Bresler supported modifying their motion to include the additional sentence as proposed by Mr. Ulch. The agreed sentence was "This field is required for the Western Interconnect."

To summarize, the motion as revised was to revise Section 2.1.2.4 with the following: remove the parenthetical (Required); add a sentence that states: "If the Scheduling Entity code for that physical segment is not identical to the Transmission Service Provider (TSP) code on that physical segment, the Scheduling Entity code must be explicitly specified or required."; and add a sentence that states "This field is required for the Western Interconnect." The revised Recommendation can be found posted as an attachment to these minutes: Attachment- Recommendation R06025 - Revised By WEQ Executive Committee on 08/14/2007 - Clean; Attachment- Recommendation R06025 - Revised By WEQ Executive Committee on 08/14/2007 - Redline.

A roll call vote was taken to determine if the required super majority vote was achieved. While there were sufficient votes to garner the required 40% in favor within each segment, the required super majority vote was not achieved, due to the need for twenty-five votes. Only twenty-four votes were cast. Ms. McQuade stated that the recommendation would be posted for notational ballot to determine if the super majority vote was achieved. [*Vote 4*].

4. Consideration and vote on Minor Corrections

Next, Ms. York reviewed the Minor Correction submitted by the WEQ Business Practices Subcommittee (BPS) included on pages 74-76 of the Executive Committee book. She noted that the goal of the Minor Correction was to update references in the existing TLR standards to reference the most current version of the NERC IRO 006 Reliability Standards.

Ms. McQuade stated that external references must be to a specific version and could not be generic because if the references were generic. To adopt language with generic external references would result in a reference to language that was subject to change. Ms. York stated that the versions referenced in the NAESB TLR standards no longer exist at NERC.

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Ms. York suggested that the Minor Correction be withdrawn instead of making modifications to the language due to the fact that other WEQ BPS members were not present. She added that she would work with the WEQ BPS to determine an alternative to the Minor Correction as proposed. There was no opposition to the withdrawal of the Minor Correction.

5. Progress on Scoping Document for R05026 and assignment of tasks

The WEQ Executive Committee reviewed the Scoping Document for Request No. R05026 (Thirteen Incremental Enhancements to OASIS) during the May 8, 2007 meeting. The WEQ Executive Committee assigned each item to a subcommittee, save three. Ms. Kennedy is in the process of drafting a letter to Calpine to request further clarification on Items C, G, and I. The letter will be posted on the NAESB website when it is sent to Calpine.

6. Update on Specific Issues

Order 890 Plan – including FERC Technical Conference on Order 890: Ms. McQuade reviewed the portion of the Seams Matrix that identified items that may require action based on the outcome of the FERC OATT Reform Order on pages 121-123 of the Executive Committee book. Ms. McQuade asked if Order 890 required that these issues be reevaluated by the Seams Subcommittee. Mr. Schwermann stated that it would not be necessary at this time for the items to be addressed by the Seams Subcommittee as they are being addressed in other forums. Mr. Schwermann moved, seconded by Mr. Ciza, that no action is required for Items 4, 26, 46, 103 and 114 of the Seams Matrix dated May 22, 2007. The motion passed a simple majority vote unanimously. Ms. McQuade stated that the Seams Matrix would be updated to reflect the action of the WEQ Executive Committee.

TLR Split to business practices progress report and joint development process with NERC: Next, Ms. York provided an overview of the progress of the WEQ BPS work with the NERC TLR Drafting Team. The NAESB TLR Update document can be found on pages 125-128 of the Executive Committee book. The NERC TLR split standards should be posted shortly for the ten day pre-ballot review period. Regardless of the outcome of the NERC TLR standard balloting, the NAESB Board of Directors has directed the NAESB office to submit the latest NAESB TLR standards with the Version 1 filing in late September, 2007.

Order 698: Ms. McQuade and Ms. York provided an overview of Order 698 and the plans in the Wholesale Gas Quadrant to develop or modify existing standards to address the Order. WEQ members were encouraged to participate in this effort as End Users in the Wholesale Gas Quadrant as the issues will clearly affect the electric industry. More information on Order 698 can be found on pages 129-131 of the Executive Committee book.

Drafting Collaborative: Ms. McQuade stated that she had distributed a notice to the WEQ Drafting Collaborative to determine if the members of the Drafting Collaborative would like to hold a meeting to discuss potential modifications to the NAESB WEQ Quadrant Procedures to remove the prohibition that a WEQ Executive Committee member cannot serve as a WEQ Board member and vice versa or if the Drafting Collaborative feels comfortable voting on this issue via notational ballot. It is the expectation that regardless of whether a meeting is held or the votes or handled via notational ballot, there will be a decision within the next six weeks.

E-Tag and Registry Status: Mr. Rodriquez stated that NERC has determined that the TSIN Registry is not in NERC's scope and are working to develop a transition plan for the TSIN Registry to be handled by another organization. NERC is very interested in NAESB taking over the management of the TSIN Registry. Ms. Costantini has been charged with working on the transition plan and on the negotiations with the IDC. Mr. Rodriquez added that joint meetings

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between NERC and NAESB should be scheduled to work on the transition of the TSIN Registry from NERC to NAESB. Ms. McQuade stated that NERC would need to provide a request to NAESB that NERC would like NAESB to administer the TSIN Registry before NAESB would take action to do so.

Publication of Version 1.0: Ms. York noted that a list of the Final Actions that will be included in Version 1.0 of the NAESB WEQ standards was included on pages 149-150 of the Executive Committee book. Ms. Rager is working to apply the Final Actions to the existing WEQ standards. It is the expectation that Version 1.0 will be released in September-October 2007.

7. Subcommittee Updates and Plan Updates

Triage Subcommittee: A notice of action requested was distributed to the NAESB Executive Committee and Triage Subcommittee on August 10, 2007 with proposed assignments and priorities for:

Request R07008 - Add bidder email and bidder phone to the award download data set to meet tariff requirements of providing bidder information to the releasing shipper on a recallable deal);

Request R07009 - Review and update the Physical gas Annex to ISDA Agreement, based on the recently completed revised NAESB Base Contract for the Sale and Purchase of Natural Gas (NAESB Standard 6.3.1 9/5/06);

Request R07010 - Modify the NAESB Coordinate Interchange Standard to require that Scheduling Entity be a required field in every submitted request for interchange to remove ambiguity from the process of evaluating;

Request R07011 – Add code values to Charge Type element in Transportation/Sales Invoice dataset to indicate that the charge type is for fuel units purchased rather than retaining fuel in kind.

It is the expectation that only Request No. R07010 will be assigned to the WEQ. Mr. Bresler stated that with the disposition of Recommendation R06025 during this meeting, there may be no need to take action on Request No. R07010. Mr. Sorenson stated that the ESS/ITS would draft a Recommendation that no action be taking referencing the language adopted in R06025 once it is assigned to the ESS/ITS officially. The Request for action for the Triage assignments referenced above was posted as supplemental information for the Executive Committee meeting: Supplemental Material - NAESB Triage Actions Pending for R07008-R07011 - Corrected.

Business Practices Subcommittee: Ms. York, co-chair of the BPS, stated that the BPS is working on TLR and ATC issues now and both efforts are joint efforts with the NERC teams. A summary of all of the meetings the BPS has been involved in to date this year can be found on pages 158-162 of the Executive Committee book.

Electronic Scheduling Subcommittee/Information Technology Subcommittee (ESS/ITS): A summary of all of the meetings the ESS/ITS has been involved in to date this year can be found on pages 152-156 of the Executive Committee book. Mr. Sorenson, co-chair of the ESS/ITS, stated that the ESS/ITS is working on modifications to the OASIS S&CPs (WEQ002); OASIS S&CPs Implementation Guide (WEQ013); and OASIS S&CPs Data Dictionary (WEQ003) to include modifications to address Group 1 of the ESS/ITS Order 890 Work Plan (POSTING OF ETC; ANNOTATIONS FOR ATC; LOAD FORECAST AND ACTUAL LOAD; RE-BID OF PARTIAL SERVICE; AND PRECONFIRMATION PRIORITY). These modifications will also include functionality to address conditional firm postings required in Paragraph 1078 of Order 890. It

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is the expectation that a recommendation for the referenced will be posted for formal comment during one of the next few meetings. The ESS/ITS will continue to work through its assigned work on the Order 890 Work Plan.

Joint Interchange Scheduling Working Group (JISWG): Mr. Harshbarger, co-chair of the JISWG for NAESB, stated that the JISWG has completed the scheduling for the testing of e-Tag Version 1.8. During the week of August 6-10, the first round of vendor tests were conducted. Tutorials will be held September 7, 11, and 25 for the industry. The tutorials will be advertised through NERC and NAESB website. Mr. Harshbarger noted that the JISWG plans to incorporate functionality to process conditional firm in the e-Tag Version 1.8 specification.

Mr. Harshbarger stated that during the processing of the proposal to implement functionality for conditional firm, comments were submitted by Midwest ISO that the JISWG determined should be addressed by the WEQ Executive Committee: Supplemental Material - JISWG Response to Comments on Conditional Design Posting. The comment from Midwest ISO stated that "…Therefore, we are requesting when these NAESB groups make changes to existing requirements, standards, and documents that they do not develop recommendations, which would require all entities to make system changes to support conditional firm point-to-point service. Additionally, we would like to have this exception documented in the appropriate NAESB Business Practices/Standards similarly to the way exceptions/variations are documented for others, such as the WECC exemptions under recommendation R06026." Mr. Skiba stated that Midwest ISO has a concern that NAESB standards will require action for which the ISOs and RTOs have been given a waiver from the FERC. Ms. McQuade stated that any time waivers are issued it is better to institutionalize them in the business practice standards adopted by NAESB. A summary of all of the JISWG meetings this year to date can be found on pages 156-158 of the Executive Committee book.

Standards Review Subcommittee: Mr. Saini stated that the SRS meets every other month to review NERC SARs that have been drafted to determine if there is a need to develop complementary NAESB business practice standards. During the August 1 meeting, the SRS did not find anything that would indicate the need to develop commercial business practices. A summary of all of the SRS meetings this year to date can be found on page 162 of the Executive Committee book.

Demand Side Management-Energy Efficiency: A summary of the efforts of the Demand Side Management-Energy Efficiency Subcommittee, a joint Subcommittee of the REQ, RGQ, and WEQ can be found on page 163 of the Executive Committee book. Ms. McQuade provided an overview of the efforts of this Subcommittee and noted that it is the goal of the group to complete draft standards by the end of the year.

e-Tariff Subcommittee: The e-Tariff Subcommittee, a joint Subcommittee of the WEQ and WGQ, has met approximately once a month since February. It is the goal of the Subcommittee to complete draft standards by the end of the year. A e-Tariff Subcommittee Technical Task Force was formed during the July 27 meeting. A summary of the meetings of the e-Tariff Subcommittee to date this year can be found on page 164-165 of the Executive Committee book.

8. Update on 2007 Annual Plan and Process to Develop 2008 Annual Plan

The Executive Committee reviewed the WEQ 2007 Annual Plan included on pages 167-175 of the Executive Committee book. Modifications were made to the Completion date of several items. Item 1(c) – Develop business practice standards to support Operate Within Limits (R03017) was moved to be a Provisional item. Item 1(f) – Develop jointly with NERC a Joint

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NERC/NAESB Operating manual was modified to note that the efforts were Underway. Mr. Pritchard moved, seconded by Mr. Sorenson, to adopt the modifications to the WEQ 2007 Annual Plan. The motion unanimously passed a simple majority vote. The revised WEQ 2007 Annual Plan can be found posted as an attachment to these minutes: Attachment- WEQ 2007 Annual Plan 08/14/2007 (Redline).

9. Board of Directors, Board Committee and Regulatory Updates

Ms. McQuade provided the update on the Board of Directors and Board Committees. The minutes from the June 28, 2007 Board meeting can be found on pages 177-187 of the Executive Comittee book. The June meeting was also the annual meeting of the members and the strategic session of the Board. The notes from the WEQ Leadership meeting on June 27, 2007 are also in the Executive Committee book on pages 188-191.

10. New Business

Mr. Sorenson provided comments to the chair for discussion under New Business. The comments were whether the NAESB WEQ Executive Committee should consider removal of the portions of NAESB OASIS Business Practice Standards (WEQ-001) that are direct quotes of the FERC Regulations 18 C.F.R. 37.6 and 37.7 that were not adopted by FERC in Order 676. Mr. Sorenson noted that during the subcommittee work on Order 890 issues were raised as to why the NAESB standards would regurgitate the FERC regulations.

Mr. Ulch asked what is gained by having the standards reiterate the FERC regulations. Ms. McQuade noted that most of the NAESB WEQ-009 Standards of Conduct were also a regurgitation of the FERC Regulations.

There was significant discussion on the merits of removal of the portions of WEQ-001 and -009. It was determined that the OASIS standards that are repetitive of the existing regulations form a foundation for the remainder of the OASIS business practices and should remain as part of the NAESB business practice standards for the WEQ. Mr. Davis moved, seconded by Ms. Crockett, to remove the portions of WEQ-009 Standards of Conduct that FERC did not adopt in Order 676, Sections 009-1 through 009-5. The definitions will be maintained and the Final Action WEQ 2006 Annual Plan Item (3)(c)(i) - Development of business practice for Standards of Conduct link on OASIS page) will be included as 009-6 of the WEQ-009 standards. The motion unanimously passed a simple majority vote.

11. Adjourn

Mr. Crockett moved to adjourn. The meeting adjourned at 4:02 PM Mountain.

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12. Executive Committee Attendance and Voting Record[1] (Vacancies not shown on the table)

		ATTENDANCE	SUB-SEGMENT	VOTE 1	VOTE 2	VOTE 3	VOTE 4
TRANSMISSION SEGMENT							
Patrick McGovern	Manger - System Services, Georgia Transmission Corporation	In Person	Muni/Coop	S	O	S	O
Steven C. Cobb	Manager Transmission Services, Salt River Project	In Person	Fed/State/Prov.	S	S	S	S
Dean Ulch	Principal Engineer, Transmission Policy and Services Group, Southern Company Services	In Person	IOU	S	O	S	S
Edward Davis	Policy Consultant, Entergy Services, Inc.	In Person	IOU	S	O	S	S
Bob McKee Alt. for J. Voeck	American Transmission Company	Phone	ITC	S			
Bob Harshbarger	OASIS Trading Manager, Puget Sound Energy	In Person	at large	S	S	S	A
Linda Campbell	Vice President and Executive Director – Standards and Compliance, Florida Reliability Coordinating Council	Absent	At-Large				
GENERATION SEGMENT							
William J. Gallagher	General Manager of Vermont Public Power Supply Authority	In Person	Muni/Coop	S	S	S	S
Kathy York	Sr. Energy Markets & Policy Specialist, Tennessee Valley Authority	In Person	Fed/State/Prov.	S	S	S	S
Jalal Babik	Manager – Electric Policy, Dominion Resource Services, Inc.	Phone	IOU	S	A		S
John Ciza	Project Manager Energy Policy and Regulatory Affairs, Southern Company Services	In Person	IOU	S	O	S	S
Gary Hinners	Director- West regulatory Issues, Reliant Energy, Inc.	Absent	at large				
Neal Balu	Director of Transmission Policy, Integrys Energy Services, Inc.	Phone	at large	S	S		S
MARKETERS/BROKERS SEGMENT							

[1] Voting Record Legend: S = Support; O = Oppose; A = Abstain; B = Notational Ballot

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		ATTENDANCE	SUB-SEGMENT	VOTE 1	VOTE 2	VOTE 3	VOTE 4
Clay Norris	Division Director, Planning, North Carolina Municipal Power Agency #1	Phone	Muni/Coop	S	S		S
Valerie Crockett, Alt. for C Harmon	Energy Markets & Policy Specialist, Tennessee Valley Authority	In Person	Fed/State/Prov.	S	S	S	S
Ralph Honeycutt	Director of Transmission Analysis & Operations – Merchant Management Group, SUEZ Energy Marketing NA, Inc.	In Person	Not IOU Affiliated	S	S	S	S
Mark Mitchell	Manger of Power Marketing Supply and Trading Department, Salt River Project	Absent	at large				SB[2]
John Apperson	Director – Commercial and Trading, PacifiCorp Energy	Absent	IOU				
Joel Dison	Project Manager, Southern Company Generation and Energy Marketing	Absent	IOU				
Jim R. Stanton	Project Manager, ICF International (representing Electric Power Supply Association (EPSA))	Absent	at large				
DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT							
Robert Williams	Director of Regulatory Affairs, Florida Municipal Power Agency	Absent	Muni/Coop				
Robert Schwermann	Energy Coordinator, Sacramento Municipal Utility District	In Person	Muni/Coop	S	S	S	S
Alan Pritchard	Senior Engineer, Duke Energy Corporation	In Person	IOU	S	S	S	S
John McCawley	Director – Energy Acquisition, Exelon Energy Delivery, Exelon Corporation – PECO Energy	Absent	IOU				
Robert Martinko	Consultant FERC Compliance, FirstEnergy Service Company	In Person	at large	S	S	S	S
Syd Berwager	Industry Restructuring Project Manager, Bonneville Power Administration/Power Business Line	In Person	Other	S	S	S	S
Andy Rodriquez	Manager of Business Practice Coordination, NERC	In Person	At-Large	S	A	A	A
END USERS SEGMENT							
Bill Heinrich, Alt.	New York State Department of Public Service	Phone	Regulator	S	A	S	S

[2] Mr. Mitchell voted in favor of the motion to adopt the revised Recommendation R06025 via notational ballot.

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		ATTENDANCE	SUB-SEGMENT	VOTE 1	VOTE 2	VOTE 3	VOTE 4
for L. Westerfield							
John Hughes	Vice President Technical Affairs, Electricity Consumers Resource Council (ELCON)	Absent	Large Industrial				
Paul Sorenson	Director-Central Markets Strategy, Open Access Technology International, Inc.	In Person	At-Large	S	S	S	S
INDEPENDENT GRID OPERATORS/PLANNERS							
Stu Bresler	General Manager, Market Operations, PJM Interconnection	Phone		S	S	S	S
Jim Castle	Manager, Grid Operations, New York Independent System Operator, Inc.	Phone		S	S	S	S
Matt Goldberg	Director Reliability & Operations Compliance ISO New England, Inc.	Phone		S	S	S	S
Steve Greenleaf	Director Regional Market Initiatives, California ISO	Phone		S	S	S	S
Joel Mickey	Manager Market Operations Support, Electric Reliability Council of Texas	In Person		S	S	S	S
Larry Middleton	Technical Manager, Transmission Assets, Midwest Independent Transmission System Operator	In Person		S	S	S	S
Charles Yeung	Executive Director Interregional Affairs, Southwest Power Pool	In Person		S	S	S	S

13. Additional Attendance

Name	Organization	Attendance
Jonathan Booe	NAESB	Phone
Christopher Burden	Williams Gas Pipeline	In Person
Kristie Cocco	Salt River Project	In Person
Dale Davis	Williams Gas Pipeline	In Person
Chuck Feagans	Tennessee Valley Authority	Phone
Laura Kennedy	NAESB	In Person
Mark Klein	Public Service Company of New Mexico	Phone
Bill Lohrman	Prague Power	Phone
Rae McQuade	NAESB	In Person

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Name	Organization	Attendance
Marci Otondo	Arizona Public Service	In Person
Marjorie Perlman	Energy East	Phone
Barbara Rehman	BPA	Phone
Narinder Saini	Entergy	In Person
Ed Skiba	MISO	In Person
Veronica Thomason	NAESB	In Person
Mike Wells	WECC	Phone
JT Wood	Southern Company	Phone

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via posting

TO: NAESB Wholesale Electric Quadrant Executive Committee and Interested Industry Participants

FROM: Jonathan Booe, Project/Meeting Manager

RE: Wholesale Electric Quadrant Executive Committee Conference Call Draft Minutes – October 15, 2007

DATE: October 19, 2007

NORTH AMERICAN ENERGY STANDARDS BOARD EXECUTIVE COMMITTEE CONFERENCE CALL
WHOLESALE ELECTRIC QUADRANT (WEQ)
Monday, October, 15 2007 – 1:00 pm to 4:00 pm Central
DRAFT MINUTES

1. Welcome

Ms. York opened the meeting and welcomed the meeting participants. Mr. Booe read the antitrust guidelines, and called the roll of the Executive Committee members and alternates. Quorum was established (22 out of 36 were present on the call). Ms. York reviewed the agenda and asked if there were any suggested modifications. Mr. Booe noted a non-substantive modification. Mr. Gallagher moved to adopt the agenda as modified, and Ms. Crockett seconded the motion. The agenda was adopted by consensus.

2. Consideration and vote on 2006 WEQ Annual Plan Item 3(c) – The removal of portions of WEQ 009 – Standards of Conduct

Comment submitted by Williams Power

The group began by reviewing the Comments submitted by Williams Power. Ms. McQuade briefly summarized the comment from Williams Power and noted that the comments suggested directions for future actions, and does not require any action by the Committee at this time.

Comments submitted by Entergy Services

Next, the group addressed the comments submitted by Entergy Services. Mr. Davis reviewed the comments from Entergy Services and stated that he would support sections WEQ 009-1(c) and WEQ 009-2 redacted along with the other proposed sections. He stated that leaving section WEQ 009-1(c) in the standard would exempt ISOs and RTOs from applicability of the definitions and posting requirements that would remain in the standard. He also proposed redacting WEQ 009-2 from the standard because the section is not related to what would remain in the standard.

In review against the regulations, it was noted that the sections were duplicative of the regulations. In addition, WEQ 009-6 is repeated in WEQ 002. Ms. York stated that WEQ 009-6 was added to WEQ 002 so that the standards dealing with OASIS links could be grouped together.

Mr. Gallagher noted that the group should understand that the FERC regulations under the Federal Power Act apply neither to municipals nor to public power entities or to Canadian utilities, Therefore, through duplicate in nature for jurisdictional entities, the standards are not duplicative for the non-jurisdictional entities.

After further discussion, Ms. York asked the group if they thought the entire standard should be removed as it was either (1) duplicative of the CFR 18 §358 "Standards of Conduct," or (2) duplicative of NAESB WEQ Standards WEQ-002-4.5.2, contained in the OASIS S&CP standards. There was general agreement to move in this direction.

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Comments Submitted by Midwest ISO

Ms. York redirected the participants' attention to the comments submitted by Midwest ISO. Mr. Skiba reviewed the comments. He suggested changing the name of the Recommendation so that it is tied to the WEQ 2007 Annual Plan. Ms. McQuade stated that it is not unusual to have annual plan items carry over into the following year and referenced by their original title. However, the subcommittee could make the change proposed by Mr. Skiba if it was approved by the Board of Directors. Ms. York stated that it might be easier to leave it as a WEQ 2006 annual plan item. Mr. Skiba and others agreed with this direction.

Next, Mr. Skiba noted a correction to the summary of the Recommendation. He stated that the summary referenced WEQ 009-3 as section proposed for deletion, although WEQ 009-3 had already been reserved. Ms. McQuade noted that this would be a change to the final action, but no to the standard.

Mr. Skiba also stated that he would like to modify the alphabetical and numerical sequence of the definition section if the glossary were to be retained. He stated that it might be beneficial going forward to forgo giving the definitions section numbers, so that they do not become out of sequence. Ms. Rager stated that there would not be a problem removing the numbers from the definition, because the section had not been filed with the FERC. Ms. McQuade thanked Mr. Skiba for his solution.

Ms. Otondo stated that the ESS/ITS may need to review the S&CP definitions and determine if the standards should be placed in the WEQ-001 OASIS set of standards.

Implementation of the Changes for WEQ-009

Ms. McQuade noted that the group could accomplish this change either via the adoption of the recommendation as modified today, followed by a thirty day ratification period; or because it was in direct response to a FERC statement that the standards were not to be incorporated by reference as they were duplicative of regulations, it could be processed as a minor correction.

After further discussion, a motion was made by Mr. Davis to adopt the changes noted as a minor correction. Ms. Otondo seconded the motion and Ms. York opened the floor for discussion. Mr. Davis stated that he would like to make a friendly amendment to the motion, for clarification purposes. He clarified that the motion on the table is to delete the WEQ 009 standard in its entirety as a minor correction relating to directions given in the para. 72, FERC Order No. 676, Docket No. RM05-5-000, issued April 25, 2006, that the set of standards were duplicative.

The motion passed a simple majority vote [*Vote 1*]. Ms. McQuade explained to the participants that the next step will be a two week industry comment period. In addition, Mr. Booe will prepare the minor correction and it will be posted as part of the minutes of the meeting and he will also revise the recommendation as noted by Mr. Skiba.

3. New Business

Ms. York stated that she would like to alert everyone that the WEQ BPS voted to update the NERC references in the TLR standard and that a notational ballot will be circulated shortly. She explained that when publications are announced minor modifications that need to be addressed come out of the woodwork.

Mr. Pritchard stated that Ms. Otondo had been chosen to act as a co-chair for the ESS/ITS, and that the approval of the WEQ Executive Committee is needed to make the appointment official. Mr. Pritchard moved to appoint Ms. Otondo as a co-chair of the ESS/ITS and Mr. Sorenson seconded the motion. The motion passed without opposition.

4. Adjournment

Ms. Otondo made a motion to adjourn the meeting and Mr. Norris seconded the motion. The meeting was adjourned at 2:53 p.m. Central.

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5. Executive Committee Attendance and Voting Record[1] (Vacancies not shown on the table)

		ATTENDANCE	SUB-SEGMENT	VOTE 1[2]
TRANSMISSION SEGMENT				
Patrick McGovern	Manger - System Services, Georgia Transmission Corporation	Phone	Muni/Coop	S
Steven C. Cobb	Policy Manager, Bonneville Power Administration	Absent	Fed/State/Prov	
Dean Ulch	Southern Company Service	Phone	IOU	S
Edward Davis	Policy Consultant, Entergy Services, Inc.	Phone	IOU	S
Julie Voeck	American Transmission Company	Absent	ITC	
Bob Harshbarger	OASIS Trading Manager, Puget Sound Energy	Phone	at large	S
Linda Campbell	Vice President and Executive Director – Standards and Compliance, Florida Reliability Coordinating Council	Absent	At-Large	
GENERATION SEGMENT				
William J. Gallagher	General Manager of Vermont Public Power Supply Authority	Phone	Muni/Coop	S
Kathy York	Sr. Energy Markets & Policy Specialist, Tennessee Valley Authority	Phone	Fed/State/Prov.	S
Jalal Babik	Manager – Electric Policy, Dominion Resource Services, Inc.	Phone	IOU	S
John Ciza	Project Manager Energy Policy and Regulatory Affairs, Southern Company Services	Phone	IOU	S
Gary Hinners	Director- West regulatory Issues, Reliant Energy, Inc.	Absent	at large	
Neal Balu	Director of Transmission Policy, Integrys Energy Services, Inc.	Phone	at large	S
MARKETERS/BROKERS SEGMENT				
Clay A. Norris	Division Director, Planning, North Carolina Municipal Power Agency #1	Phone	Muni/Coop	S
Valerie Crockett, Alt. for Clyde Harmon	Senior Manager, Trading Operations, Tennessee Valley Authority	Phone	Fed/State/Prov.	S
Ralph Honeycutt	Director of Transmission Analysis & Operations – Merchant Management Group, SUEZ Energy Marketing NA, Inc.	Phone	Not IOU Affiliated	S
Mark Mitchell	Manger of Power Marketing Supply and Trading Department, Salt River Project	Absent	at large	
John Apperson	Director – Commercial and Trading, PacifiCorp Energy	Absent	IOU	
Joel Dison	Project Manager, Southern Company Generation and Energy Marketing	Absent	IOU	
Barry Green	Barry Green Consulting (representing Electric Power Supply Association (EPSA))	Absent	at large	
DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT				
Robert Williams	Director of Regulatory Affairs, Florida Municipal Power Agency	Absent	Muni/Coop	
Robert Schwermann	Energy Coordinator, Sacramento Municipal Utility District	Phone	Muni/Coop	A
Alan Pritchard	Senior Engineer, Duke Energy Corporation	Phone	IOU	S

[1] Voting Record Legend: S = Support; O = Oppose; A = Abstain
[2] The quorum was established as 22 out of 36 present. The vote passed unanimously with one abstention recorded.

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		ATTENDANCE	SUB-SEGMENT	VOTE 1[2]
John McCawley	Director – Energy Acquisition, Exelon Energy Delivery, Exelon Corporation – PECO Energy	Absent	IOU	
Robert Martinko	Consultant FERC Compliance, FirstEnergy Service Company	Phone	at large	S
Syd Berwager	Industry Restructuring Project Manager, Bonneville Power Administration/Power Business Line	Absent	Other	
Andy Rodriquez	Manager of Business Practice Coordination, NERC	Absent	At-Large	
END USERS SEGMENT				
Lou Ann Westerfield	Policy Strategist, Idaho Public Utilities Commission, rep. National Association of Regulatory Utility Commissioners	Absent	Regulator	
Paul Sorenson	Director-Central Markets Strategy, Open Access Technology International, Inc.	Phone	At-Large	S
INDEPENDENT GRID OPERATORS/PLANNERS				
Stu Bresler	General Manager, Market Operations, PJM Interconnection	Phone		S
Jim Castle	Industry Affairs Specialist, New York Independent System Operator, Inc.	Absent		
Matt Goldberg	Director Reliability & Operations Compliance ISO New England, Inc.	Phone		S
Steve Greenleaf	Sr. Operations Regulatory Specialist, California ISO	Phone		S
Bill Blevins, Alt. for J. Mickey	Manager Market Operations Support, Electric Reliability Council of Texas	Phone		S
Ed Skiba, Alt. for Larry Middleton	Technical Manager, Transmission Assets, Midwest Independent Transmission System Operator	Phone		S
Charles Yeung	Executive Director Interregional Affairs, Southwest Power Pool	Phone		S

6. Additional Attendance

Name	Organization	Attendance
Jonathan Booe	NAESB	Phone
Rae McQuade	NAESB	Phone
Marcie Otondo	APS	Phone
Veronica Thomason	NAESB	Phone

TAB 4

Recommendations for Standards Actions

- Contained in this section are:
  - 2007 AP 2c Order 890 modifications to WEQ-001, comments due 9-21-07 and received from Williams Power, Midwest ISO, EPSA, Southern Company, PJM and SPP
  - C07001 Interpretation on WEQ-001-1.2 applications of standards to non-gas-fired generations facilities, comments due 11-5-07 – no comments received as of publication date
  - R07010 Modify CI standard to require scheduling entities to be a required field for every submitted request for interchange, comments due 11-2-07 – no comments received as of publication date
  - 2007 AP 2(ii) Order 890 work plan group 1 – conditional firm, annotations for ATC, Load Forecast and Actual Load, Re-Bid of Partial Service and Preconfirmation Priority, comments due 11-2-07 – no comments received as of publication date
- If comments are received after publication date, they will be provided under separate cover as supplemental materials.
- The WEQ EC will be asked to consider the recommendations for standards actions and the comments submitted for each action. The EC members can (1) accept with no changes, (2) accept with changes identified during the meeting, (3) remand back to the relevant subcommittees for further work, (4) postpone action to a later date, or (5) reject - a status quo position. Actions (1) and (2) require a super-majority vote – 67% affirmative vote of all seated WEQ EC members, and 40% of all seated WEQ EC members of each segment. Actions (3), (4) and (5) are simple majority votes.
- The materials in Tab 4 correspond to agenda item 3.

RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE

For Quadrant: **WEQ**
Requesters: **WEQ Joint BPS/ESS/ITS**
Request No.: **WEQ 2007 Annual Plan Item 2(c)**
Request Title: **Modifcations to WEQ-001 to comply with modifications to 18 C.F.R. 37.6 and 37.7 within Order 890**

1. RECOMMENDED ACTION:

__x__Accept as requested
___Accept as modified below
___Decline

EFFECT OF EC VOTE TO ACCEPT RECOMMENDED ACTION:

__x__Change to Existing Practice
___Status Quo

2. TYPE OF DEVELOPMENT/MAINTENANCE

Per Request:	**Per Recommendation:**
___Initiation	___Initiation
_x__Modification	__x__Modification
___Interpretation	___Interpretation
___Withdrawal	___Withdrawal
___Principle	___Principle
___Definition	___Definition
___Business Practice Standard	___Business Practice Standard
___Document	___Document
___Data Element	___Data Element
___Code Value	___Code Value
___X12 Implementation Guide	___X12 Implementation Guide
__x__Business Process Documentation	__x__Business Process Documentation

3. RECOMMENDATION

SUMMARY: This merely amends the current versions of the Business Practices for Open Access Same-Time Information Systems (OASIS) (WEQ-001) to reflect modifications that are required by FERC Order 890. These inclusions will include changes as specified in consideration of the foregoing; the Commission amends part 37, Chapter I, Title 18 of the Code of Federal Regulations.

RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE

For Quadrant:	**WEQ**
Requesters:	**WEQ Joint BPS/ESS/ITS**
Request No.:	**WEQ 2007 Annual Plan Item 2(c)**
Request Title:	**Modifcations to WEQ-001 to comply with modifications to 18 C.F.R. 37.6 and 37.7 within Order 890**

RECOMMENDED STANDARDS:

Two documents are attached to this recommendation: 1) a revised Standard WEQ-001 Business Practices for Open Access Same-Time Information Systems (OASIS)(redline) and 2) a revised Standard WEQ-001 Business Practices for Open Access Same-Time Information Systems (OASIS)(clean).

The WEQ JOINT BPS/ESS/ITS recommends adoption of the document as updating the WEQ-001 Standard such that the changes including Order 890 may be implemented.

The Attachments to the Recommendation that include the proposed standards and proposed revisions to existing standards are posted at the following links:

Revised Standard WEQ-001 Business Practices for Open Access Same-Time Information Systems (OASIS)(redline): http://naesb.org/pdf2/2007_weq_ap_2c_rec_attch_redline.doc

Revised Standard WEQ-001 Business Practices for Open Access Same-Time Information Systems (OASIS)(clean): http://naesb.org/pdf2/2007_weq_ap_2c_rec_attch_clean.doc

4. SUPPORTING DOCUMENTATION

a. Description of Request:

The current WEQ-001 standard adopted by FERC is being changed to include modifications as required by FERC Order 890. These inclusions will include changes as specified in consideration of the foregoing; the Commission amends parts 37, Chapter I, Title 18 of the Code of Federal Regulations.

b. Description of Recommendation:

This recommendation includes work done by the WEQ Joint BPS/ESS/ITS to include modifications required by FERC Order 890. These changes are proposed to the following Standard:

1) WEQ-001 Business Practices for Open Access Same-Time Information Systems (OASIS)

RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE

For Quadrant:	**WEQ**
Requesters:	**WEQ Joint BPS/ESS/ITS**
Request No.:	**WEQ 2007 Annual Plan Item 2(c)**
Request Title:	**Modifcations to WEQ-001 to comply with modifications to 18 C.F.R. 37.6 and 37.7 within Order 890**

Modifications to this Standard are required by FERC Order 890 according to the following Order cite and are shown in the redline version. The following is the revised regulatory text as prescribed by the Commission in Order 890:

PART 37—OPEN ACCESS SAME-TIME INFORMATION SYSTEMS

3. The authority citation for part 37 continues to read as follows:

Authority: 16 U.S.C. 791-825r, 2601-2645; 31 U.S.C. 9701; 42 U.S.C. 7101-7352.

4. Amend § 37.6 as follows:

a. Paragraph (a)(1) is revised.

b. Paragraph (b) introductory text is revised.

c. Paragraphs (b)(1)(v) through (b)(1)(viii) are added.

d. Paragraphs (b)(2)(i) through (b)(2)(iii) are revised.

e. Paragraph (b)(3) is revised.

f. Paragraphs (c)(2) and (c)(5) are revised.

g. Paragraphs (e)(1) and (e)(2)(ii) are revised.

h. Paragraph (e)(3)(ii) is revised.

i. Paragraphs (h), (i) and (j) are added.

§ 37.6 Information to be posted on the OASIS.

(a) * * *

(1) Make requests for transmission services offered by Transmission Providers, Resellers and other providers of ancillary services, request the designation of a network resource, and request the termination of the designation of a network resource;

* * * * *

(b) Posting transfer capability. The available transfer capability on the Transmission Provider's system (ATC) and the total transfer capability (TTC) of that system shall be calculated and posted for each Posted Path as set out in this section.

(1) * * *

(v) Available transfer capability or ATC means the transfer capability remaining in the physical transmission network for further commercial activity over and above already committed uses, or such definition as contained in Commission-approved Reliability Standards.

(vi) Total transfer capability or TTC means the amount of electric power that can be moved or transferred reliably from one area to another area of the interconnected transmission systems by way of all transmission lines (or paths) between those areas under specified system conditions, or such definition as contained in Commission approved Reliability Standards.

RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE

For Quadrant:	**WEQ**
Requesters:	**WEQ Joint BPS/ESS/ITS**
Request No.:	**WEQ 2007 Annual Plan Item 2(c)**
Request Title:	**Modifcations to WEQ-001 to comply with modifications to 18 C.F.R. 37.6 and 37.7 within Order 890**

(vii) Capacity Benefit Margin or CBM means the amount of TTC preserved by the Transmission Provider for load-serving entities, whose loads are located on that Transmission Provider's system, to enable access by the load-serving entities to generation from interconnected systems to meet generation reliability requirements, or such definition as contained in Commission-approved Reliability Standards.
(viii) Transmission Reliability Margin or TRM means the amount of TTC necessary to provide reasonable assurance that the interconnected transmission network will be secure, or such definition as contained in Commission-approved Reliability Standards.
(2) * * *
(i) Information used to calculate any posting of ATC and TTC must be dated and time-stamped and all calculations shall be performed according to consistently applied methodologies referenced in the Transmission Provider's transmission tariff and shall be based on Commission-approved Reliability Standards as well as current industry practices, standards and criteria.
(ii) On request, the Responsible Party must make all data used to calculate ATC, TTC, CBM, and TRM for any constrained posted paths publicly available (including the limiting element(s) and the cause of the limit (e.g., thermal, voltage, stability), as well as load forecast assumptions) in electronic form within one week of the posting. The information is required to be provided only in the electronic format in which it was created, along with any necessary decoding instructions, at a cost limited to the cost of reproducing the material. This information is to be retained for six months after the applicable posting period.
(iii) System planning studies, facilities studies, and specific network impact studies performed for customers or the Transmission Provider's own network resources are to be made publicly available in electronic form on request and a list of such studies shall be posted on the OASIS. A study is required to be provided only in the electronic format in which it was created, along with any necessary decoding instructions, at a cost limited to the cost of reproducing the material. These studies are to be retained for five years.
(3) Posting. The ATC, TTC, CBM, and TRM for all Posted Paths must be posted in megawatts by specific direction and in the manner prescribed in this subsection.
(i) Constrained posted paths.—(A) For firm ATC and TTC.
(1) The posting shall show ATC, TTC, CBM, and TRM for a 30-day period. For this period postings shall be: by the hour, for the current hour and the 168 hours next following; and thereafter, by the day. If the Transmission Provider charges separately for on-peak and off-peak periods in its tariff, ATC, TTC, CBM, and TRM will be posted daily for each period.

RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE

For Quadrant:	**WEQ**
Requesters:	**WEQ Joint BPS/ESS/ITS**
Request No.:	**WEQ 2007 Annual Plan Item 2(c)**
Request Title:	**Modifcations to WEQ-001 to comply with modifications to 18 C.F.R. 37.6 and 37.7 within Order 890**

(2) Postings shall also be made by the month, showing for the current month and the 12 months next following.
(3) If planning and specific requested transmission studies have been done, seasonal capability shall be posted for the year following the current year and for each year following to the end of the planning horizon but not to exceed 10 years.
(B) For non-firm ATC and TTC. The posting shall show ATC, TTC, CBM and TRM for a 30-day period by the hour and days prescribed under paragraph (b)(3)(i)(A)(1) of this section and, if so requested, by the month and year as prescribed under paragraph (b)(3)(i)(A) (2) and (3) of this section. The posting of non-firm ATC and TTC shall show CBM as zero.
(C) Updating posted information for constrained paths.
(1) The capability posted under paragraphs (b)(3)(i)(A) and (B) of this section must be updated when transactions are reserved or service ends or whenever the estimate for the path changes by more than 10 percent.
(2) All updating of hourly information shall be made on the hour.
(3) When the monthly and yearly capability posted under paragraphs (b)(3)(i)(A) and (B) of this section are updated because of a change in TTC by more than 10 percent, the Transmission Provider shall post a brief, but specific, narrative explanation of the reason for the update. This narrative should include, the specific events which gave rise to the update (e.g., scheduling of planned outages and occurrence of forced transmission outages, de-ratings of transmission facilities, scheduling of planned generation outages and occurrence of forced generation outages, changes in load forecast, changes in new facilities' in-service dates, or other events or assumption changes) and new values for ATC on the path (as opposed to all points on the network).
(4) When the monthly and yearly capability posted under paragraphs (b)(3)(i)(A) and (B) remain unchanged at a value of zero for a period of six months, the Transmission Provider shall post a brief, but specific, narrative explanation of the reason for the unavailability of ATC.
(ii) Unconstrained posted paths.
(A) Postings of firm and nonfirm ATC, TTC, CBM, and TRM shall be posted separately by the day, showing for the current day and the next six days following and thereafter, by the month for the 12 months next following. If the Transmission Provider charges separately for on-peak and off-peak periods in its tariff, ATC, TTC, CBM, and TRM will be posted separately for the current day and the next six days following for each period. These postings are to be updated whenever the ATC changes by more than 20 percent of the Path's TTC.

(B) If planning and specific requested transmission studies have been done, seasonal capability shall be posted for the year following the current year and for each year following until the end of the planning horizon but not to exceed 10 years.
(iii) Calculation of CBM.
(A) The Transmission Provider must reevaluate its CBM needs at least every year.
(B) The Transmission Provider must post its practices for reevaluating its CBM needs.
(iv) Daily load. The Transmission Provider must post on a daily basis, its actual daily peak load for the prior day.
(c) * * *
(2) Transmission Providers must provide a downloadable file of their complete tariffs in the same electronic format as the tariff that is filed with the Commission. Transmission Providers also must provide a link to all of the rules, standards and practices that relate to transmission services posted on the Transmission Providers' public websites.
* * * * *
(5) Customers choosing to use the OASIS to offer for resale transmission capacity they have purchased must post relevant information to the same OASIS as used by the Transmission Provider from whom the Reseller purchased the transmission capacity. This information must be posted on the same display page, using the same tables, as similar capability being sold by the Transmission Provider, and the information must be contained in the same downloadable files as the Transmission Provider's own available capability.
* * * * *
(e) Posting specific transmission and ancillary service requests and responses.
(1) General rules.
(i) All requests for transmission and ancillary service offered by Transmission Providers under the pro forma tariff, including requests for discounts, and all requests to designate or terminate a network resource, must be made on the OASIS and posted prior to the Transmission Provider responding to the request, except as discussed in paragraphs (e)(1) (ii) and (iii) of this section. The Transmission Provider must post all requests for transmission service, for ancillary service, and for the designation or termination of a network resource comparably. Requests for transmission service, ancillary service, and to designate and terminate a network resource, as well as the responses to such requests, must be conducted in accordance with the Transmission Provider's tariff, the Federal Power Act, and Commission regulations.
(ii) The requirement in paragraph (e)(1)(i) of this section, to post requests for transmission and ancillary service offered by Transmission Providers under the pro forma

tariff, including requests for discounts, prior to the Transmission Provider responding to the request, does not apply to requests for next-hour service made during Phase I.
(iii) In the event that a discount is being requested for ancillary services that are not in support of basic transmission service provided by the Transmission Provider, such request need not be posted on the OASIS.
(iv) In processing a request for transmission or ancillary service, the Responsible Party shall post the same information as required in paragraphs (c)(4) and (d)(3) of this section, and the following information: the date and time when the request is made, its place in any queue, the status of that request, and the result (accepted, denied, withdrawn). In processing a request to designate or terminate the designation of a network resource, the Responsible Party shall post the date and time when the request is made.
(v) For any request to designate or terminate a network resource, the Transmission Provider (at the time when the request is received), must post on the OASIS (and make available for download) information describing the request (including: name of requestor, identification of the resource, effective time for the designation or termination, identification of whether the transaction involves the Transmission Provider's wholesale merchant function or any affiliate; and any other relevant terms and conditions) and shall keep such information posted on the OASIS for at least 30 days. A record of the transaction must be retained and kept available as part of the audit log required in § 37.7.
(vi) The Transmission Provider shall post a list of its current designated network resources and all network customers' current designated network resources on OASIS. The list of network resources should include the name of the resource, its geographic and electrical location, its total installed capacity, and the amount of capacity to be designated as a network resource.
(2) * * *
(ii) Information to support the reason for the denial, including the operating status of relevant facilities, must be maintained for five years and provided, upon request, to the potential Transmission Customer and the Commission's Staff.
* * * * *
(3) * * *
(ii) Information to support any such curtailment or interruption, including the operating status of the facilities involved in the constraint or interruption, must be maintained and made available upon request, to the curtailed or interrupted customer, the Commission's Staff, and any other person who requests it, for five years.
* * * * *

RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE

For Quadrant:	**WEQ**
Requesters:	**WEQ Joint BPS/ESS/ITS**
Request No.:	**WEQ 2007 Annual Plan Item 2(c)**
Request Title:	**Modifcations to WEQ-001 to comply with modifications to 18 C.F.R. 37.6 and 37.7 within Order 890**

(h) Posting information summarizing the time to complete transmission service request studies. (1) For each calendar quarter, the Responsible Party must post the set of measures detailed in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section related to the Responsible Party's processing of transmission service request system impact studies and facilities studies. The Responsible Party must calculate and post the measures in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section separately for requests for short-term firm point-to-point transmission service, long-term firm point-to-point transmission service, and requests to designate a new network resource and must be calculated and posted separately for transmission service requests from Affiliates and transmission service requests from Transmission Customers who are not Affiliates. The Responsible Party is required to include in the calculations of the measures in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section all studies the Responsible Party conducts of transmission service requests on another Transmission Provider's OASIS.
(i) Process time from initial service request to offer of system impact study agreement.
(A) Number of new system impact study agreements delivered during the reporting quarter to entities that request transmission service,
(B) Number of new system impact study agreements delivered during the reporting quarter to entities that request transmission service more than thirty (30) days after the Responsible Party received the request for transmission service,
(C) Mean time (in days), for all requests acted on by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the request for transmission service to when the Responsible Party changed the transmission service request status to indicate that the Responsible Party could offer transmission service or needed to perform a system impact study,
(D) Mean time (in days), for all system impact study agreements delivered by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the request for transmission service to the date when the Responsible Party delivered a system impact study agreement, and
(E) Number of new system impact study agreements executed during the reporting quarter.
(ii) System impact study processing time.
(A) Number of system impact studies completed by the Responsible Party during the reporting quarter,
(B) Number of system impact studies completed by the Responsible Party during the reporting quarter more than 60 days after the Responsible Party received an executed system impact study agreement,

(C) For all system impact studies completed more than 60 days after receipt of an executed system impact study agreement, average number of days study was delayed due to transmission customer's actions (e.g., delays in providing needed data),
(D) Mean time (in days), for all system impact studies completed by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the executed system impact study agreement to the date when the Responsible Party provided the system impact study to the entity who executed the system impact study agreement, and
(E) Mean cost of system impact studies completed by the Responsible Party during the reporting quarter.
(iii) Transmission service requests withdrawn from the system impact study queue.
(A) Number of transmission service requests withdrawn from the Responsible Party's system impact study queue during the reporting quarter,
(B) Number of transmission service requests withdrawn from the Responsible Party's system impact study queue during the reporting quarter more than 60 days after the Responsible Party received the executed system impact study agreement, and
(C) Mean time (in days), for all transmission service requests withdrawn from the Responsible Party's system impact study queue during the reporting quarter, from the date the Responsible Party received the executed system impact study agreement to date when request was withdrawn from the Responsible Party's system impact study queue.
(iv) Process time from completed system impact study to offer of facilities study.
(A) Number of new facilities study agreements delivered during the reporting quarter to entities that request transmission service,
(B) Number of new facilities study agreements delivered during the reporting quarter to entities that request transmission service more than thirty (30) days after the Responsible Party completed the system impact study,
(C) Mean time (in days), for all facilities study agreements delivered by the Responsible Party during the reporting quarter, from the date when the Responsible Party completed the system impact study to the date when the Responsible Party delivered a facilities study agreement, and
(D) Number of new facilities study agreements executed during the reporting quarter.
(v) Facilities study processing time.
(A) Number of facilities studies completed by the Responsible Party during the reporting quarter,
(B) Number of facilities studies completed by the Responsible Party during the reporting quarter more than 60 days after the Responsible Party received an executed facilities study agreement,

(C) For all facilities studies completed more than 60 days after receipt of an executed facilities study agreement, average number of days study was delayed due to transmission customer's actions (e.g., delays in providing needed data),
(D) Mean time (in days), for all facilities studies completed by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the executed facilities study agreement to the date when the Responsible Party provided the facilities study to the entity who executed the facilities study agreement,
(E) Mean cost of facilities studies completed by the Responsible Party during the reporting quarter, and
(F) Mean cost of upgrades recommended in facilities studies completed during the reporting quarter.
(vi) Service requests withdrawn from facilities study queue.
(A) Number of transmission service requests withdrawn from the Responsible Party's facilities study queue during the reporting quarter,
(B) Number of transmission service requests withdrawn from the Responsible Party's facilities study queue during the reporting quarter more than 60 days after the Responsible Party received the executed facilities study agreement, and
(C) Mean time (in days), for all transmission service requests withdrawn from the Responsible Party's facilities study queue during the reporting quarter, from the date the Responsible Party received the executed facilities study agreement to date when request was withdrawn from the Responsible Party's facilities study queue
(2) The Responsible Party is required to post the measures in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section for each calendar quarter within 15 days of the end of the calendar quarter. The Responsible Party will keep the quarterly measures posted on OASIS for three calendar years.
(3) The Responsible Party will be required to post on OASIS the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section in the event the Responsible Party, for two consecutive calendar quarters, completes more than twenty (20) percent of the studies associated with requests for transmission service from entities that are not Affiliates of the Responsible Party more than sixty (60) days after the Responsible Party delivers the appropriate study agreement. The Responsible Party will have to post the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section until it processes at least ninety (90) percent of all studies within 60 days after it has received the appropriate executed study agreement. For the purposes of calculating the percent of studies completed more than sixty (60) days after the Responsible Party delivers the appropriate study agreement, the Responsible Party should aggregate all system impact studies and facilities studies that it completes during the reporting quarter.

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The Responsible Party must calculate and post the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section separately for requests for short-term firm point-to-point transmission service, long-term firm point-to-point transmission service, and requests to designate a new network resource and must be calculated and posted separately for transmission service requests from Affiliates and transmission service requests from Transmission Customers who are not Affiliates.

(i) Mean, across all system impact studies the Responsible Party completes during the reporting quarter, of the employee-hours expended per system impact study the Responsible Party completes during reporting period;

(ii) Mean, across all facilities studies the Responsible Party completes during the reporting quarter, of the employee-hours expended per facilities study the Responsible Party completes during reporting period;

(iii) The number of employees the Responsible Party has assigned to process system impact studies;

(iv) The number of employees the Responsible Party has assigned to process facilities studies.

(4) The Responsible Party is required to post the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section for each calendar quarter within 15 days of the end of the calendar quarter. The Responsible Party will keep the quarterly measures posted on OASIS for five calendar years.

(i) Posting data related to grants and denials of service. The Responsible Party is required to post data each month listing, by path or flowgate, the number of transmission service requests that have been accepted and the number of transmission service requests that have been denied during the prior month. This posting must distinguish between the length of the service request (e.g., short-term or long-term requests) and between the type of service requested (e.g., firm point-to-point, non firm point-to-point or network service). The posted data must show:

(1) The number of non-Affiliate requests for transmission service that have been rejected,

(2) The total number of non-Affiliate requests for transmission service that have been made,

(3) The number of Affiliate requests for transmission service that have been rejected, and

(4) The total number of Affiliate requests for transmission service that have been made.

(j) Posting redispatch data. (1) The Transmission Provider must allow the posting on OASIS of any third party offer to relieve a specified congested transmission facility.

(2) The Transmission Provider must post on OASIS (i) its monthly average cost of planning and reliability redispatch, for which it invoices customers, at each internal transmission facility or interface over which it provides redispatch service and (ii) a high

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and low redispatch cost for the month for each of these same transmission facilities. The transmission provider must post this data on OASIS as soon as practical after the end of each month, but no later than when it sends invoices to transmission customers for redispatch-related services.

5. In §37.7, paragraph (b) is revised to read as follows:

§ 37.7 Auditing Transmission Service Information.

* * * * *

(b) Audit data must remain available for download on the OASIS for 90 days, except ATC/TTC postings that must remain available for download on the OASIS for 20 days. The audit data are to be retained and made available upon request for download for five years from the date when they are first posted in the same electronic form as used when they originally were posted on the OASIS.

c. Business Purpose:

The recommendation is to amend the current versions of the Business Practices for Open Access Same-Time Information Systems (OASIS) (WEQ-001) to reflect modifications that are required by FERC Order 890.

d. Commentary/Rationale of Subcommittee(s)/Task Force(s):

The WEQ JOINT BPS/ESS/ITS developed and reviewed the revision to the Business Practices for Open Access Same-Time Information Systems (OASIS) (WEQ-001) at the following meetings and conference calls:

- **August 16-17, 2007** Draft Minutes **(meeting)**
- **August 9, 2007** Draft Minutes **(NERC/NAESB joint meeting)**
- **July 30, 2007 (request for informal comments)**
- **July 23-24, 2007** Draft Minutes **(meeting)**

001-1.6 Information to be posted on the OASIS.

(a) The information posted on the OASIS must be in such detail and the OASIS must have such capabilities as to allow Transmission Customers to:
(1) Make requests for transmission services offered by Transmission Providers, Resellers and other providers of ancillary services, request the designation of a network resource, and request the termination of the designation of a network resource;
(2) View and download in standard formats, using standard protocols, information regarding the transmission system necessary to enable prudent business decision making;
(3) Post, view, upload and download information regarding available products and desired services;
(4) Clearly identify the degree to which transmission service requests or schedules were denied or interrupted;
(5) Obtain access, in electronic format, to information to support available transmission capability calculations and historical transmission service requests and schedules for various audit purposes; and
(6) Make file transfers and automated computer-to-computer file transfers and queries as defined by the Standards and Communications Protocols Document.
(b) Posting transfer capability. The available transfer~~transmission~~ capability ~~that is expected to be available~~ on the Transmission Provider's system (ATC) and the total transfer~~transmission~~ capability (TTC) of that system shall be calculated and posted for each Posted Path as set out in this section.
(1) Definitions. For purposes of this section the terms listed below have the following meanings:
(i) Posted path means any control area to control area interconnection; any path for which service is denied, curtailed or interrupted for more than 24 hours in the past 12 months; and any path for which a customer requests to have ATC or TTC posted. For this last category, the posting must continue for 180 days and thereafter until 180 days have elapsed from the most recent request for service over the requested path. For purposes of this definition, an hour includes any part of an hour during which service was denied, curtailed or interrupted.
(ii) Constrained posted path means any posted path having an ATC less than or equal to 25 percent of TTC at any time during the preceding 168 hours or for which ATC has been calculated to be less than or equal to 25 percent of TTC for any period during the current hour or the next 168 hours.
(iii) Unconstrained posted path means any posted path not determined to be a constrained posted path.
(iv) The word interconnection, as used in the definition of "posted path'', means all facilities connecting two adjacent systems or control areas.
(v) Available transfer capability or ATC means the transfer capability remaining in the physical transmission network for further commercial activity over and above already committed uses, or such definition as contained in Commission-approved Reliability Standards.

(vi) Total transfer capability or TTC means the amount of electric power that can be moved or transferred reliably from one area to another area of the interconnected transmission systems by way of all transmission lines (or paths) between those areas under specified system conditions, or such definition as contained in Commission-approved Reliability Standards.
(vii) Capacity Benefit Margin or CBM means the amount of TTC preserved by the Transmission Provider for load-serving entities, whose loads are located on that Transmission Provider's system, to enable access by the load-serving entities to generation from interconnected systems to meet generation reliability requirements, or such definition as contained in Commission-approved Reliability Standards.
(viii) Transmission Reliability Margin or TRM means the amount of TTC necessary to provide reasonable assurance that the interconnected transmission network will be secure, or such definition as contained in Commission-approved Reliability Standards.
(2) Calculation methods, availability of information, and requests.
(i) Information used to calculate any posting of ATC and TTC must be dated and time-stamped and all calculations shall be performed according to consistently applied methodologies referenced in the Transmission Provider's transmission tariff and shall be based on Commission-approved Reliability Standards as well as current industry practices, standards and criteria.
(ii) On request, the Responsible Party must make all data used to calculate ATC, ~~and~~ TTC, CBM, and TRM for any constrained posted paths publicly available (including the limiting element(s) and the cause of the limit (e.g., thermal, voltage, stability), as well as load forecast assumptions) in electronic form within one week of the posting. The information is required to be provided only in the electronic format in which it was created, along with any necessary decoding instructions, at a cost limited to the cost of reproducing the material. This information is to be retained for six months after the applicable posting period.
(iii) System planning studies, facilities studies, and ~~or~~ specific network impact studies performed for customers or the Transmission Provider's own network resources ~~to determine network impacts~~ are to be made publicly available in electronic form on request and a list of such studies shall be posted on the OASIS. A study is required to be provided only in the electronic format in which it was created, along with any necessary decoding instructions, at a cost limited to the cost of reproducing the material. These studies are to be retained for five~~two~~ years.
(3) Posting. The ATC, ~~and~~ TTC, CBM, and TRM for all Posted Paths must be posted in megawatts by specific direction and in the manner prescribed in this subsection.
(i) Constrained posted paths—
(A) For Firm ATC and TTC.
(1) The posting shall show ATC, ~~and~~ TTC, CBM, and TRM for a 30day period. For this period postings shall be: by the hour, for the current hour and the 168 hours next following; and thereafter, by the day. If the Transmission Provider charges separately for on-peak and off-peak periods in its tariff, ATC, ~~and~~ TTC, CBM, and TRM will be posted daily for each period.

(2) Postings shall also be made by the month, showing for the current month and the 12 months next following.
(3) If planning and specific requested transmission studies have been done, seasonal capability shall be posted for the year following the current year and for each year following to the end of the planning horizon but not to exceed 10 years.
(B) For Non-Firm ATC and TTC. The posting shall show ATC, ~~and~~ TTC, CBM, and TRM for a 30-day period by the hour and days prescribed under paragraph (b)(3)(i)(A)(1) of this standard and, if so requested, by the month and year as prescribed under paragraph (b)(3)(i)(A) (2) and (3) of this standard. The posting of non-firm ATC and TTC shall show CBM as zero.
(C) Updating Posted Information for Constrained Paths.
(1) The capability posted under paragraphs (b)(3)(i)(A) and (B) of this standard must be updated when transactions are reserved or service ends or whenever the TTC estimate for the Path changes by more than 10 percent. (2) All updating of hourly information shall be made on the hour.
(3) When the monthly and yearly capability posted under paragraphs (b)(3)(i)(A) and (B) of this section are updated because of a change in TTC by more than10 percent, the Transmission Provider shall post a brief, but specific, narrative explanation of the reason for the update. This narrative should include, the specific events which gave rise to the update (e.g., scheduling of planned outages and occurrence of forced transmission outages, de-ratings of transmission facilities, scheduling of planned generation outages and occurrence of forced generation outages, changes in ~~load fore~~load forecast, changes in new facilities' in-service dates, or other events or assumption changes) and new values for ATC on the path (as opposed to all points on the network).
(4) When the monthly and yearly capability posted under paragraphs (b)(3)(i)(A) and (B) remain unchanged at a value of zero for a period of six months, the Transmission Provider shall post a brief, but specific, narrative explanation of the reason for the unavailability of ATC.
(ii) Unconstrained posted paths.
(A) Postings of firm and non-firm ATC, ~~and~~ TTC, CBM, and TRM shall be posted separately by the day, showing for the current day and the next six days following and thereafter, by the month for the 12 months next following. If the Transmission Provider charges separately for on-peak and off-peak periods in its tariff, ATC, ~~and~~ TTC, CBM, and TRM will be posted separately for the current day and the next six days following for each period. These postings are to be updated whenever the ATC changes by more than 20 percent of the Path's' TTC.
(B) If planning and specific requested transmission studies have been done, seasonal capability shall be posted for the year following the current year and for each year following until the end of the planning horizon but not to exceed 10 years.
(iii) Calculation of CBM.
(A) The Transmission Provider must reevaluate its CBM needs at least every year.
(B) The Transmission Provider must post its practices for reevaluating its CBM needs.

(iv) Daily load. The Transmission Provider must post on a daily basis, its actual daily peak load for the prior day.

(c) Posting Transmission Service Products and Prices.

(1) Transmission Providers must post prices and a summary of the terms and conditions associated with all transmission products offered to Transmission Customers.

(2) Transmission Providers must provide a downloadable file of their complete tariffs in the same electronic format as the tariff that is filed with the Commission. Transmission Providers also must provide a link to all of the rules, standards and practices that relate to transmission services posted on the Transmission Providers' public websites.

(3) Any offer of a discount for any transmission service made by the Transmission Provider must be announced to all potential customers solely by posting on the OASIS.

(4) For any transaction for transmission service agreed to by the Transmission Provider and a customer, the Transmission Provider (at the time when ATC must be adjusted in response to the transaction), must post on the OASIS (and make available for download) information describing the transaction (including: price; quantity; points of receipt and delivery; length and type of service; identification of whether the transaction involves the Transmission Provider's' wholesale merchant function or any affiliate; identification of what, if any, ancillary service transactions are associated with this transmission service transaction; and any other relevant terms and conditions) and shall keep such information posted on the OASIS for at least 30 days. A record of the transaction must be retained and kept available as part of the audit log required in Standard 1.7.

(5) Customers choosing to use the OASIS to offer for resale transmission capacity they have purchased must post relevant information to the same OASIS as used by the Transmission Provider~~one~~ from whom the Reseller purchased the transmission capacity. This information must be posted on the same display page, using the same tables, as similar capability being sold by the Transmission Provider, and the information must be contained in the same downloadable files as the Transmission Provider's' own available capability. A customer reselling transmission capacity without the use of an OASIS must, nevertheless, inform the original Transmission Provider of the transaction within any time limits prescribed by the Transmission Provider's' tariff or in a contract or service agreement between the Transmission Provider and a customer.

(d) Posting Ancillary Service Offerings and Prices.

(1) Any ancillary service required to be provided or offered under the pro forma tariff required under currently applicable regulations must be posted with the price of that service.

(2) Any offer of a discount for any ancillary service made by the Transmission Provider must be announced to all potential customers solely by posting on the OASIS.

(3) For any transaction for ancillary service agreed to by the Transmission Provider and a customer, the Transmission Provider (at the time when ATC must be adjusted in response to an associated transmission service transaction, if any), must post on the OASIS (and make available for download) information describing the transaction (including: date and time when the agreement was entered into; price; quantity; length and type of service; identification of whether the transaction involves the Transmission Provider's' wholesale merchant function or any affiliate; identification of what, if any, transmission service transactions are associated with this ancillary service transaction; and any other relevant

terms and conditions) and shall keep such information posted on the OASIS for at least 30 days. A record of the transaction must be retained and kept available as part of the audit log required in Standard 1.7.
(4) Any other interconnected operations service offered by the Transmission Provider may be posted, with the price for that service.
(5) Any entity offering an ancillary service shall have the right to post the offering of that service on the OASIS if the service is one required to be offered by the Transmission Provider under their pro forma tariff. Any entity may also post any other interconnected operations service voluntarily offered by the Transmission Provider. Postings by customers and third parties must be on the same page, and in the same format, as postings of the Transmission Provider.
(e) Posting specific transmission and ancillary service requests and responses—
(1) General rules.
(i) All requests for transmission and ancillary service offered by Transmission Providers under the pro forma tariff, including requests for discounts, and all requests to designate or terminate a network resource, must be made on the OASIS, and posted prior to the Transmission Provider responding to the request, except as discussed in paragraphs (e)(1) (ii) and (iii) of this standard. The Transmission Provider must post all requests for transmission service, ~~and~~ for ancillary service, and for the designation or termination of a network resource comparably. Requests for transmission, ~~and~~ ancillary service, and to designate and terminate a network resource, ~~and~~ as well as the responses to such requests, must be conducted in accordance with the Transmission Provider's ~~'~~ tariff~~,~~ ~~the Federal Power Act, and Commission~~ and all currently applicable laws and regulations.
(ii) The requirement in paragraph (e)(1)(i) of this standard, to post requests for transmission and ancillary service offered by Transmission Providers under the pro forma tariff, including requests for discounts, prior to the Transmission Provider responding to the request, does not apply to requests for next-hour service made during Phase I.
(iii) In the event that a discount is being requested for ancillary services that are not in support of basic transmission service provided by the Transmission Provider, such request need not be posted on the OASIS.
(iv) In processing a request for transmission or ancillary service, the Responsible Party shall post the same information as required in ~~paragraphs~~ Standard 1.6(c)(4), and Standard 1.6(d)(3) ~~of this standard,~~ and the following information: the date and time when the request is made, its place in any queue, the status of that request, and the result (accepted, denied, withdrawn). In processing a request to designate or terminate the designation of a network resource, the Responsible Party shall post the date and time when the request is made.
(v) For any request to designate or terminate a network resource, the Transmission Provider (at the time when the request is received), must post on the OASIS (and make available for download) information describing the request (including: name of requestor, identification of the resource, effective time for the designation or termination, identification of whether the transaction involves the Transmission Provider's wholesale merchant function or any affiliate; and any other relevant terms and conditions) and shall keep such information posted on the OASIS for at

least 30 days. A record of the transaction must be retained and kept available as part of the audit log required in WEQ 001-~~§~~ 1.7.~~37.7.~~
(vi) The Transmission Provider shall post a list of its current designated network resources and all network customers' current designated network resources on OASIS. The list of network resources should include the name of the resource, its geographic and electrical location, its total installed capacity, and the amount of capacity to be designated as a network resource.
(2) Posting when a request for transmission service is denied.
(i) When a request for service is denied, the Responsible Party must provide the reason for that denial as part of any response to the request.
(ii) Information to support the reason for the denial, including the operating status of relevant facilities, must be maintained for ~~60 days~~ five years and provided, upon request, to the potential Transmission Customer ~~and~~ and the Commission's staff. ~~the Commission's Staff~~.
(iii) Any offer to adjust operation of the Transmission Provider's~~'~~ System to accommodate the denied request must be posted and made available to all Transmission Customers at the same time.
(3) Posting when a transaction is curtailed or interrupted.
(i) When any transaction is curtailed or interrupted, the Transmission Provider must post notice of the curtailment or interruption on the OASIS, and the Transmission Provider must state on the OASIS the reason why the transaction could not be continued or completed.
(ii) Information to support any such curtailment or interruption, including the operating status of the facilities involved in the constraint or interruption, must be maintained and made available upon request, to the curtailed or interrupted customer, the Commission's' Staff, and any other person who requests it, for ~~three~~five years.
(iii) Any offer to adjust the operation of the Transmission Provider's~~'~~ system to restore a curtailed or interrupted transaction must be posted and made available to all curtailed and interrupted Transmission Customers at the same time.
(f) Posting Transmission Service Schedules Information. Information on transmission service schedules must be recorded by the entity scheduling the transmission service and must be available on the OASIS for download. Transmission service schedules must be posted no later than seven calendar days from the start of the transmission service.
(g) Posting Other Transmission-Related Communications.
(1) The posting of other communications related to transmission services must be provided for by the Responsible Party. These communications may include ``want ads"'’nd ``other communications"'’such as using the OASIS as a Transmission-related conference space or to provide transmission-related messaging services between OASIS users). Such postings carry no obligation to respond on the part of any market participant.
(2) The Responsible Party is responsible for posting other transmission-related communications in conformance with the instructions provided by the third party on whose behalf the communication is posted. It is the responsibility of the third party requesting such a posting to ensure the accuracy of the information to be posted.

(3) Notices of transfers of personnel shall be posted as described in Standard WEQBPS-007-000 4(c). The posting requirements are the same as those provided in Standard 1.7 for audit data postings.
(4) Logs detailing the circumstances and manner in which a Transmission Provider or Responsible Party exercised its discretion under any terms of the tariff shall be posted as described in Standard WEQBPS-007-000 5(c)(4). The posting requirements are the same as those provided in Standard 1.7 for audit data postings.
(h) Posting information summarizing the time to complete transmission service request studies.
(1) For each calendar quarter, the Responsible Party must post the set of measures detailed in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section related to the Responsible Party's processing of transmission service request system impact studies and facilities studies. The Responsible Party must calculate and post the measures in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section separately for requests for short-term firm point-to-point transmission service, long-term firm point-to-point transmission service, and requests to designate a new network resource and must be calculated and posted separately for transmission service requests from Affiliates and transmission service requests from Transmission Customers who are not Affiliates. The Responsible Party is required to include in the calculations of the measures in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section all studies the Responsible Party conducts of transmission service requests on another Transmission Provider's OASIS.
(i) Process time from initial service request to offer of system impact study agreement.
(A) Number of new system impact study agreements delivered during the reporting quarter to entities that request transmission service,
(B) Number of new system impact study agreements delivered during the reporting quarter to entities that request transmission service more than thirty (30) days after the Responsible Party received the request for transmission service,
(C) Mean time (in days), for all requests acted on by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the request for transmission service to when the Responsible Party changed the transmission service request status to indicate that the Responsible Party could offer transmission service or needed to perform a system impact study,
(D) Mean time (in days), for all system impact study agreements delivered by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the request for transmission service to the date when the Responsible Party delivered a system impact study agreement, and
(E) Number of new system impact study agreements executed during the reporting quarter.
(ii) System impact study processing time.

(A) Number of system impact studies completed by the Responsible Party during the reporting quarter,
(B) Number of system impact studies completed by the Responsible Party during the reporting quarter more than 60 days after the Responsible Party received an executed system impact study agreement,
(C) For all system impact studies completed more than 60 days after receipt of an executed system impact study agreement, average number of days study was delayed due to transmission customer's actions (e.g., delays in providing needed data),
(D) Mean time (in days), for all system impact studies completed by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the executed system impact study agreement to the date when the Responsible Party provided the system impact study to the entity who executed the system impact study agreement, and
(E) Mean cost of system impact studies completed by the Responsible Party during the reporting quarter.
(iii) Transmission service requests withdrawn from the system impact study queue.
(A) Number of transmission service requests withdrawn from the Responsible Party's system impact study queue during the reporting quarter,
(B) Number of transmission service requests withdrawn from the Responsible Party's system impact study queue during the reporting quarter more than 60 days after the Responsible Party received the executed system impact study agreement, and
(C) Mean time (in days), for all transmission service requests withdrawn from the Responsible Party's system impact study queue during the reporting quarter, from the date the Responsible Party received the executed system impact study agreement to date when request was withdrawn from the Responsible Party's system impact study queue.
(iv) Process time from completed system impact study to offer of facilities study.
(A) Number of new facilities study agreements delivered during the reporting quarter to entities that request transmission service,
(B) Number of new facilities study agreements delivered during the reporting quarter to entities that request transmission service more than thirty (30) days after the Responsible Party completed the system impact study,
(C) Mean time (in days), for all facilities study agreements delivered by the Responsible Party during the reporting quarter, from the date when the Responsible Party completed the system impact study to the date when the Responsible Party delivered a facilities study agreement, and
(D) Number of new facilities study agreements executed during the reporting quarter.
(v) Facilities study processing time.

(A) Number of facilities studies completed by the Responsible Party during the reporting quarter,
(B) Number of facilities studies completed by the Responsible Party during the reporting quarter more than 60 days after the Responsible Party received an executed facilities study agreement,
(C) For all facilities studies completed more than 60 days after receipt of an executed facilities study agreement, average number of days study was delayed due to transmission customer's actions (e.g., delays in providing needed data),
(D) Mean time (in days), for all facilities studies completed by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the executed facilities study agreement to the date when the Responsible Party provided the facilities study to the entity who executed the facilities study agreement,
(E) Mean cost of facilities studies completed by the Responsible Party during the reporting quarter, and
(F) Mean cost of upgrades recommended in facilities studies completed during the reporting quarter.
(vi) Service requests withdrawn from facilities study queue.
(A) Number of transmission service requests withdrawn from the Responsible Party's facilities study queue during the reporting quarter,
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(B) Number of transmission service requests withdrawn from the Responsible Party's facilities study queue during the reporting quarter more than 60 days after the Responsible Party received the executed facilities study agreement, and
(C) Mean time (in days), for all transmission service requests withdrawn from the Responsible Party's facilities study queue during the reporting quarter, from the date the Responsible Party received the executed facilities study agreement to date when request was withdrawn from the Responsible Party's facilities study queue
(2) The Responsible Party is required to post the measures in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section for each calendar quarter within 15 days of the end of the calendar quarter. The Responsible Party will keep the quarterly measures posted on OASIS for three calendar years.
(3) The Responsible Party will be required to post on OASIS the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section in the event the Responsible Party, for two consecutive calendar quarters, completes more than twenty (20) percent of the studies associated with requests for transmission service from entities that are not Affiliates of the Responsible Party more than sixty (60) days after the Responsible Party delivers the appropriate study agreement. The Responsible Party will have to post the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section until it processes at least ninety (90) percent of all studies within 60 days after it has received the appropriate executed study agreement. For the purposes of calculating the percent of studies completed more than sixty (60) days after the Responsible Party delivers the appropriate study

agreement, the Responsible Party should aggregate all system impact studies and facilities studies that it completes during the reporting quarter. The Responsible Party must calculate and post the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section separately for requests for short-term firm point-to-point transmission service, long-term firm point-to-point transmission service, and requests to designate a new network resource and must be calculated and posted separately for transmission service requests from Affiliates and transmission service requests from Transmission Customers who are not Affiliates.

(i) Mean, across all system impact studies the Responsible Party completes during the reporting quarter, of the employee-hours expended per system impact study the Responsible Party completes during reporting period;

(ii) Mean, across all facilities studies the Responsible Party completes during the reporting quarter, of the employee-hours expended per facilities study the Responsible Party completes during reporting period;

(iii) The number of employees the Responsible Party has assigned to process system impact studies;

(iv) The number of employees the Responsible Party has assigned to process facilities studies.

(4) The Responsible Party is required to post the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section for each calendar quarter within 15 days of the end of the calendar quarter. The Responsible Party will keep the quarterly measures posted on OASIS for five calendar years.

(i) Posting data related to grants and denials of service. The Responsible Party is required to post data each month listing, by path or ~~flowgate~~flow gate, the number of transmission service requests that have been accepted and the number of transmission service requests that have been denied during the prior month. This posting must distinguish between the length of the service request (e.g., short-term or long-term requests) and between the type of service requested (e.g., firm point-to-point, non firm point-to-point or network service). The posted data must show:

(1) The number of non-Affiliate requests for transmission service that have been rejected,

(2) The total number of non-Affiliate requests for transmission service that have been made,

(3) The number of Affiliate requests for transmission service that have been rejected, and

(4) The total number of Affiliate requests for transmission service that have been made.

(j) Posting redispatch data.

(1) The Transmission Provider must allow the posting on OASIS of any third party offer to relieve a specified congested transmission facility.

(2) The Transmission Provider must post on OASIS (i) its monthly average cost of planning and reliability redispatch, for which it invoices customers, at each

internal transmission facility or interface over which it provides redispatch service and (ii) a high and low redispatch cost for the month for each of these same transmission facilities. The transmission provider must post this data on OASIS as soon as practical after the end of each month, but no later than when it sends invoices to transmission customers for redispatch-related services.

001-1.7 Auditing Transmission Service Information.

(a) All OASIS database transactions, except other transmission-related communications provided for under Standard 1.6(g)(2), must be stored, dated, and time stamped.
(b) Audit data must remain available for download on the OASIS for 90 days, except ATC/TTC postings that must remain available for download on the OASIS for 20 days. The audit data are to be retained and made available upon request for download for five~~three~~ years from the date when they are first posted in the same electronic form as used when they originally were posted on the OASIS.

001-1.6 Information to be posted on the OASIS.

(a) The information posted on the OASIS must be in such detail and the OASIS must have such capabilities as to allow Transmission Customers to:
(1) Make requests for transmission services offered by Transmission Providers, Resellers and other providers of ancillary services, request the designation of a network resource, and request the termination of the designation of a network resource;
(2) View and download in standard formats, using standard protocols, information regarding the transmission system necessary to enable prudent business decision making;
(3) Post, view, upload and download information regarding available products and desired services;
(4) Clearly identify the degree to which transmission service requests or schedules were denied or interrupted;
(5) Obtain access, in electronic format, to information to support available transmission capability calculations and historical transmission service requests and schedules for various audit purposes; and
(6) Make file transfers and automated computer-to-computer file transfers and queries as defined by the Standards and Communications Protocols Document.
(b) Posting transfer capability. The available transfer capability on the Transmission Provider's system (ATC) and the total transfer capability (TTC) of that system shall be calculated and posted for each Posted Path as set out in this section.
(1) Definitions. For purposes of this section the terms listed below have the following meanings:
(i) Posted path means any control area to control area interconnection; any path for which service is denied, curtailed or interrupted for more than 24 hours in the past 12 months; and any path for which a customer requests to have ATC or TTC posted. For this last category, the posting must continue for 180 days and thereafter until 180 days have elapsed from the most recent request for service over the requested path. For purposes of this definition, an hour includes any part of an hour during which service was denied, curtailed or interrupted.
(ii) Constrained posted path means any posted path having an ATC less than or equal to 25 percent of TTC at any time during the preceding 168 hours or for which ATC has been calculated to be less than or equal to 25 percent of TTC for any period during the current hour or the next 168 hours.
(iii) Unconstrained posted path means any posted path not determined to be a constrained posted path.
(iv) The word interconnection, as used in the definition of "posted path'', means all facilities connecting two adjacent systems or control areas.
(v) Available transfer capability or ATC means the transfer capability remaining in the physical transmission network for further commercial activity over and above already committed uses, or such definition as contained in Commission-approved Reliability Standards.
(vi) Total transfer capability or TTC means the amount of electric power that can be moved or transferred reliably from one area to another area of the interconnected

transmission systems by way of all transmission lines (or paths) between those areas under specified system conditions, or such definition as contained in Commission-approved Reliability Standards.
(vii) Capacity Benefit Margin or CBM means the amount of TTC preserved by the Transmission Provider for load-serving entities, whose loads are located on that Transmission Provider's system, to enable access by the load-serving entities to generation from interconnected systems to meet generation reliability requirements, or such definition as contained in Commission-approved Reliability Standards.
(viii) Transmission Reliability Margin or TRM means the amount of TTC necessary to provide reasonable assurance that the interconnected transmission network will be secure, or such definition as contained in Commission-approved Reliability Standards.
(2) Calculation methods, availability of information, and requests.
(i) Information used to calculate any posting of ATC and TTC must be dated and time-stamped and all calculations shall be performed according to consistently applied methodologies referenced in the Transmission Provider's transmission tariff and shall be based on Commission-approved Reliability Standards as well as current industry practices, standards and criteria.
(ii) On request, the Responsible Party must make all data used to calculate ATC, TTC, CBM, and TRM for any constrained posted paths publicly available (including the limiting element(s) and the cause of the limit (e.g., thermal, voltage, stability), as well as load forecast assumptions) in electronic form within one week of the posting. The information is required to be provided only in the electronic format in which it was created, along with any necessary decoding instructions, at a cost limited to the cost of reproducing the material. This information is to be retained for six months after the applicable posting period.
(iii) System planning studies, facilities studies, and specific network impact studies performed for customers or the Transmission Provider's own network resources are to be made publicly available in electronic form on request and a list of such studies shall be posted on the OASIS. A study is required to be provided only in the electronic format in which it was created, along with any necessary decoding instructions, at a cost limited to the cost of reproducing the material. These studies are to be retained for five years.
(3) Posting. The ATC, TTC, CBM, and TRM for all Posted Paths must be posted in megawatts by specific direction and in the manner prescribed in this subsection.
(i) Constrained posted paths—
(A) For Firm ATC and TTC.
(1) The posting shall show ATC, TTC, CBM, and TRM for a 30day period. For this period postings shall be: by the hour, for the current hour and the 168 hours next following; and thereafter, by the day. If the Transmission Provider charges separately for on-peak and off-peak periods in its tariff, ATC, TTC, CBM, and TRM will be posted daily for each period.
(2) Postings shall also be made by the month, showing for the current month and the 12 months next following.
(3) If planning and specific requested transmission studies have been done, seasonal capability shall be posted for the year following the current year and for each year following to the end of the planning horizon but not to exceed 10 years.

(B) For Non-Firm ATC and TTC. The posting shall show ATC, TTC, CBM, and TRM for a 30-day period by the hour and days prescribed under paragraph (b)(3)(i)(A)(1) of this standard and, if so requested, by the month and year as prescribed under paragraph (b)(3)(i)(A) (2) and (3) of this standard. The posting of non-firm ATC and TTC shall show CBM as zero.
(C) Updating Posted Information for Constrained Paths.
(1) The capability posted under paragraphs (b)(3)(i)(A) and (B) of this standard must be updated when transactions are reserved or service ends or whenever the TTC estimate for the Path changes by more than 10 percent. (2) All updating of hourly information shall be made on the hour.
(3) When the monthly and yearly capability posted under paragraphs
(b)(3)(i)(A) and (B) of this section are updated because of a change in TTC by more than10 percent, the Transmission Provider shall post a brief, but specific, narrative explanation of the reason for the update. This narrative should include, the specific events which gave rise to the update (e.g., scheduling of planned outages and occurrence of forced transmission outages, de-ratings of transmission facilities, scheduling of planned generation outages and occurrence of forced generation outages, changes in load forecast, changes in new facilities' in-service dates, or other events or assumption changes) and new values for ATC on the path (as opposed to all points on the network).
(4) When the monthly and yearly capability posted under paragraphs (b)(3)(i)(A) and (B) remain unchanged at a value of zero for a period of six months, the Transmission Provider shall post a brief, but specific, narrative explanation of the reason for the unavailability of ATC.
(ii) Unconstrained posted paths.
(A) Postings of firm and non-firm ATC, TTC, CBM, and TRM shall be posted separately by the day, showing for the current day and the next six days following and thereafter, by the month for the 12 months next following. If the Transmission Provider charges separately for on-peak and off-peak periods in its tariff, ATC, TTC, CBM, and TRM will be posted separately for the current day and the next six days following for each period. These postings are to be updated whenever the ATC changes by more than 20 percent of the Path's TTC.
(B) If planning and specific requested transmission studies have been done, seasonal capability shall be posted for the year following the current year and for each year following until the end of the planning horizon but not to exceed 10 years.
(iii) Calculation of CBM.
(A) The Transmission Provider must reevaluate its CBM needs at least every year.
(B) The Transmission Provider must post its practices for reevaluating its CBM needs.
(iv) Daily load. The Transmission Provider must post on a daily basis, its actual daily peak load for the prior day.
(c) Posting Transmission Service Products and Prices.
(1) Transmission Providers must post prices and a summary of the terms and conditions associated with all transmission products offered to Transmission Customers.
(2) Transmission Providers must provide a downloadable file of their complete tariffs in the same electronic format as the tariff that is filed with the Commission. Transmission

Providers also must provide a link to all of the rules, standards and practices that relate to transmission services posted on the Transmission Providers' public websites.
(3) Any offer of a discount for any transmission service made by the Transmission Provider must be announced to all potential customers solely by posting on the OASIS.
(4) For any transaction for transmission service agreed to by the Transmission Provider and a customer, the Transmission Provider (at the time when ATC must be adjusted in response to the transaction), must post on the OASIS (and make available for download) information describing the transaction (including: price; quantity; points of receipt and delivery; length and type of service; identification of whether the transaction involves the Transmission Provider's' wholesale merchant function or any affiliate; identification of what, if any, ancillary service transactions are associated with this transmission service transaction; and any other relevant terms and conditions) and shall keep such information posted on the OASIS for at least 30 days. A record of the transaction must be retained and kept available as part of the audit log required in Standard 1.7.
(5) Customers choosing to use the OASIS to offer for resale transmission capacity they have purchased must post relevant information to the same OASIS as used by the Transmission Provider from whom the Reseller purchased the transmission capacity. This information must be posted on the same display page, using the same tables, as similar capability being sold by the Transmission Provider, and the information must be contained in the same downloadable files as the Transmission Provider's' own available capability. A customer reselling transmission capacity without the use of an OASIS must, nevertheless, inform the original Transmission Provider of the transaction within any time limits prescribed by the Transmission Provider's' tariff or in a contract or service agreement between the Transmission Provider and a customer.
(d) Posting Ancillary Service Offerings and Prices.
(1) Any ancillary service required to be provided or offered under the pro forma tariff required under currently applicable regulations must be posted with the price of that service.
(2) Any offer of a discount for any ancillary service made by the Transmission Provider must be announced to all potential customers solely by posting on the OASIS.
(3) For any transaction for ancillary service agreed to by the Transmission Provider and a customer, the Transmission Provider (at the time when ATC must be adjusted in response to an associated transmission service transaction, if any), must post on the OASIS (and make available for download) information describing the transaction (including: date and time when the agreement was entered into; price; quantity; length and type of service; identification of whether the transaction involves the Transmission Provider's wholesale merchant function or any affiliate; identification of what, if any, transmission service transactions are associated with this ancillary service transaction; and any other relevant terms and conditions) and shall keep such information posted on the OASIS for at least 30 days. A record of the transaction must be retained and kept available as part of the audit log required in Standard 1.7.
(4) Any other interconnected operations service offered by the Transmission Provider may be posted, with the price for that service.
(5) Any entity offering an ancillary service shall have the right to post the offering of that service on the OASIS if the service is one required to be offered by the Transmission Provider under their pro forma tariff. Any entity may also post any other interconnected

operations service voluntarily offered by the Transmission Provider. Postings by customers and third parties must be on the same page, and in the same format, as postings of the Transmission Provider.
(e) Posting specific transmission and ancillary service requests and responses—
(1) General rules.
(i) All requests for transmission and ancillary service offered by Transmission Providers under the pro forma tariff, including requests for discounts, and all requests to designate or terminate a network resource, must be made on the OASIS, and posted prior to the Transmission Provider responding to the request, except as discussed in paragraphs (e)(1)(ii) and (iii) of this standard. The Transmission Provider must post all requests for transmission service, for ancillary service, and for the designation or termination of a network resource comparably. Requests for transmission, ancillary service, and to designate and terminate a network resource, as well as the responses to such requests, must be conducted in accordance with the Transmission Provider's tariff and all currently applicable laws and regulations.
(ii) The requirement in paragraph (e)(1)(i) of this standard, to post requests for transmission and ancillary service offered by Transmission Providers under the pro forma tariff, including requests for discounts, prior to the Transmission Provider responding to the request, does not apply to requests for next-hour service made during Phase I.
(iii) In the event that a discount is being requested for ancillary services that are not in support of basic transmission service provided by the Transmission Provider, such request need not be posted on the OASIS.
(iv) In processing a request for transmission or ancillary service, the Responsible Party shall post the same information as required in Standard 1.6(c)(4), and Standard 1.6(d)(3) and the following information: the date and time when the request is made, its place in any queue, the status of that request, and the result (accepted, denied, withdrawn). In processing a request to designate or terminate the designation of a network resource, the Responsible Party shall post the date and time when the request is made.
(v) For any request to designate or terminate a network resource, the Transmission Provider (at the time when the request is received), must post on the OASIS (and make available for download) information describing the request (including: name of requestor, identification of the resource, effective time for the designation or termination, identification of whether the transaction involves the Transmission Provider’s wholesale merchant function or any affiliate; and any other relevant terms and conditions) and shall keep such information posted on the OASIS for at least 30 days. A record of the transaction must be retained and kept available as part of the audit log required in WEQ 001- 1.7.
(vi) The Transmission Provider shall post a list of its current designated network resources and all network customers’ current designated network resources on OASIS. The list of network resources should include the name of the resource, its geographic and electrical location, its total installed capacity, and the amount of capacity to be designated as a network resource.
(2) Posting when a request for transmission service is denied.
(i) When a request for service is denied, the Responsible Party must provide the reason for that denial as part of any response to the request.

(ii) Information to support the reason for the denial, including the operating status of relevant facilities, must be maintained for five years and provided, upon request, to the potential Transmission Customer and the Commission's staff. .
(iii) Any offer to adjust operation of the Transmission Provider's System to accommodate the denied request must be posted and made available to all Transmission Customers at the same time.
(3) Posting when a transaction is curtailed or interrupted.
(i) When any transaction is curtailed or interrupted, the Transmission Provider must post notice of the curtailment or interruption on the OASIS, and the Transmission Provider must state on the OASIS the reason why the transaction could not be continued or completed.
(ii) Information to support any such curtailment or interruption, including the operating status of the facilities involved in the constraint or interruption, must be maintained and made available upon request, to the curtailed or interrupted customer, the Commission's' Staff, and any other person who requests it, for five years.
(iii) Any offer to adjust the operation of the Transmission Provider's system to restore a curtailed or interrupted transaction must be posted and made available to all curtailed and interrupted Transmission Customers at the same time.
(f) Posting Transmission Service Schedules Information. Information on transmission service schedules must be recorded by the entity scheduling the transmission service and must be available on the OASIS for download. Transmission service schedules must be posted no later than seven calendar days from the start of the transmission service.
(g) Posting Other Transmission-Related Communications.
(1) The posting of other communications related to transmission services must be provided for by the Responsible Party. These communications may include ``want ads"'’nd ``other communications"'’such as using the OASIS as a Transmission-related conference space or to provide transmission-related messaging services between OASIS users). Such postings carry no obligation to respond on the part of any market participant.
(2) The Responsible Party is responsible for posting other transmission-related communications in conformance with the instructions provided by the third party on whose behalf the communication is posted. It is the responsibility of the third party requesting such a posting to ensure the accuracy of the information to be posted.
(3) Notices of transfers of personnel shall be posted as described in Standard WEQBPS-007-000 4(c). The posting requirements are the same as those provided in Standard 1.7 for audit data postings.
(4) Logs detailing the circumstances and manner in which a Transmission Provider or Responsible Party exercised its discretion under any terms of the tariff shall be posted as described in Standard WEQBPS-007-000 5(c)(4). The posting requirements are the same as those provided in Standard 1.7 for audit data postings.
(h) Posting information summarizing the time to complete transmission service request studies.
(1) For each calendar quarter, the Responsible Party must post the set of measures detailed in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section related to the Responsible Party's processing of transmission service request system impact studies and facilities studies. The Responsible Party must calculate and post the measures in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section separately for requests for

short-term firm point-to-point transmission service, long-term firm point-to-point transmission service, and requests to designate a new network resource and must be calculated and posted separately for transmission service requests from Affiliates and transmission service requests from Transmission Customers who are not Affiliates. The Responsible Party is required to include in the calculations of the measures in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section all studies the Responsible Party conducts of transmission service requests on another Transmission Provider's OASIS.
(i) Process time from initial service request to offer of system impact study agreement.
(A) Number of new system impact study agreements delivered during the reporting quarter to entities that request transmission service,
(B) Number of new system impact study agreements delivered during the reporting quarter to entities that request transmission service more than thirty (30) days after the Responsible Party received the request for transmission service,
(C) Mean time (in days), for all requests acted on by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the request for transmission service to when the Responsible Party changed the transmission service request status to indicate that the Responsible Party could offer transmission service or needed to perform a system impact study,
(D) Mean time (in days), for all system impact study agreements delivered by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the request for transmission service to the date when the Responsible Party delivered a system impact study agreement, and
(E) Number of new system impact study agreements executed during the reporting quarter.
(ii) System impact study processing time.
(A) Number of system impact studies completed by the Responsible Party during the reporting quarter,
(B) Number of system impact studies completed by the Responsible Party during the reporting quarter more than 60 days after the Responsible Party received an executed system impact study agreement,
(C) For all system impact studies completed more than 60 days after receipt of an executed system impact study agreement, average number of days study was delayed due to transmission customer's actions (e.g., delays in providing needed data),
(D) Mean time (in days), for all system impact studies completed by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the executed system impact study agreement to the date when the Responsible Party provided the system impact study to the entity who executed the system impact study agreement, and
(E) Mean cost of system impact studies completed by the Responsible Party during the reporting quarter.
(iii) Transmission service requests withdrawn from the system impact study queue.
(A) Number of transmission service requests withdrawn from the Responsible Party's system impact study queue during the reporting quarter,
(B) Number of transmission service requests withdrawn from the Responsible Party's system impact study queue during the reporting quarter more than 60 days after the Responsible Party received the executed system impact study agreement, and

(C) Mean time (in days), for all transmission service requests withdrawn from the Responsible Party's system impact study queue during the reporting quarter, from the date the Responsible Party received the executed system impact study agreement to date when request was withdrawn from the Responsible Party's system impact study queue.
(iv) Process time from completed system impact study to offer of facilities study.
(A) Number of new facilities study agreements delivered during the reporting quarter to entities that request transmission service,
(B) Number of new facilities study agreements delivered during the reporting quarter to entities that request transmission service more than thirty (30) days after the Responsible Party completed the system impact study,
(C) Mean time (in days), for all facilities study agreements delivered by the Responsible Party during the reporting quarter, from the date when the Responsible Party completed the system impact study to the date when the Responsible Party delivered a facilities study agreement, and
(D) Number of new facilities study agreements executed during the reporting quarter.
(v) Facilities study processing time.
(A) Number of facilities studies completed by the Responsible Party during the reporting quarter,
(B) Number of facilities studies completed by the Responsible Party during the reporting quarter more than 60 days after the Responsible Party received an executed facilities study agreement,
(C) For all facilities studies completed more than 60 days after receipt of an executed facilities study agreement, average number of days study was delayed due to transmission customer's actions (e.g., delays in providing needed data),
(D) Mean time (in days), for all facilities studies completed by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the executed facilities study agreement to the date when the Responsible Party provided the facilities study to the entity who executed the facilities study agreement,
(E) Mean cost of facilities studies completed by the Responsible Party during the reporting quarter, and
(F) Mean cost of upgrades recommended in facilities studies completed during the reporting quarter.
(vi) Service requests withdrawn from facilities study queue.
(A) Number of transmission service requests withdrawn from the Responsible Party's facilities study queue during the reporting quarter,
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(B) Number of transmission service requests withdrawn from the Responsible Party's facilities study queue during the reporting quarter more than 60 days after the Responsible Party received the executed facilities study agreement, and
(C) Mean time (in days), for all transmission service requests withdrawn from the Responsible Party's facilities study queue during the reporting quarter, from the date the Responsible Party received the executed facilities study agreement to date when request was withdrawn from the Responsible Party's facilities study queue
(2) The Responsible Party is required to post the measures in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section for each calendar quarter within 15 days of the end of

the calendar quarter. The Responsible Party will keep the quarterly measures posted on OASIS for three calendar years.
(3) The Responsible Party will be required to post on OASIS the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section in the event the Responsible Party, for two consecutive calendar quarters, completes more than twenty (20) percent of the studies associated with requests for transmission service from entities that are not Affiliates of the Responsible Party more than sixty (60) days after the Responsible Party delivers the appropriate study agreement. The Responsible Party will have to post the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section until it processes at least ninety (90) percent of all studies within 60 days after it has received the appropriate executed study agreement. For the purposes of calculating the percent of studies completed more than sixty (60) days after the Responsible Party delivers the appropriate study agreement, the Responsible Party should aggregate all system impact studies and facilities studies that it completes during the reporting quarter. The Responsible Party must calculate and post the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section separately for requests for short-term firm point-to-point transmission service, long-term firm point-to-point transmission service, and requests to designate a new network resource and must be calculated and posted separately for transmission service requests from Affiliates and transmission service requests from Transmission Customers who are not Affiliates.
(i) Mean, across all system impact studies the Responsible Party completes during the reporting quarter, of the employee-hours expended per system impact study the Responsible Party completes during reporting period;
(ii) Mean, across all facilities studies the Responsible Party completes during the reporting quarter, of the employee-hours expended per facilities study the Responsible Party completes during reporting period;
(iii) The number of employees the Responsible Party has assigned to process system impact studies;
(iv) The number of employees the Responsible Party has assigned to process facilities studies.
(4) The Responsible Party is required to post the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section for each calendar quarter within 15 days of the end of the calendar quarter. The Responsible Party will keep the quarterly measures posted on OASIS for five calendar years.
(i) Posting data related to grants and denials of service. The Responsible Party is required to post data each month listing, by path or flow gate, the number of transmission service requests that have been accepted and the number of transmission service requests that have been denied during the prior month. This posting must distinguish between the length of the service request (e.g., short-term or long-term requests) and between the type of service requested (e.g., firm point-to-point, non firm point-to-point or network service). The posted data must show:
(1) The number of non-Affiliate requests for transmission service that have been rejected,
(2) The total number of non-Affiliate requests for transmission service that have been made,
(3) The number of Affiliate requests for transmission service that have been rejected, and
(4) The total number of Affiliate requests for transmission service that have been made.

(j) Posting redispatch data.
(1) The Transmission Provider must allow the posting on OASIS of any third party offer to relieve a specified congested transmission facility.
(2) The Transmission Provider must post on OASIS (i) its monthly average cost of planning and reliability redispatch, for which it invoices customers, at each internal transmission facility or interface over which it provides redispatch service and (ii) a high and low redispatch cost for the month for each of these same transmission facilities. The transmission provider must post this data on OASIS as soon as practical after the end of each month, but no later than when it sends invoices to transmission customers for redispatch-related services.

001-1.7 Auditing Transmission Service Information.

(a) All OASIS database transactions, except other transmission-related communications provided for under Standard 1.6(g)(2), must be stored, dated, and time stamped.
(b) Audit data must remain available for download on the OASIS for 90 days, except ATC/TTC postings that must remain available for download on the OASIS for 20 days. The audit data are to be retained and made available upon request for download for five years from the date when they are first posted in the same electronic form as used when they originally were posted on the OASIS.

Comments by the Electric Power Supply Association

On NAESB Standard WEQ-001

Introduction:

EPSA[1] and its members have a keen interest in and will be impacted by the development of this standard, as well as the companion standards at NERC. Indeed, EPSA was actively engaged in the proceedings at FERC that led to Order 890 and the required standards development work of which WEQ-001 1.6 is a part. EPSA members have participated actively in the joint NAESB BPS and ESS/ITS Subcommittee meetings and EPSA itself has retained external expertise to insure that our interests are represented.

While the current draft of the standard is an improvement over the status quo, EPSA is concerned that it still falls short of achieving FERC's objectives. Specifically, in FERC Order 890, there are 186 uses of the word "transparency" and 165 uses of "transparent", all of which clearly demonstrate a priority for the Commission that is shared by EPSA and its members. In outlining its need for reform of Order 888, FERC notes at paragraph 42 of Order 890, that:

> It is thus clear to us that, notwithstanding the Commission's efforts in Order No. 888, opportunities to engage in undue discrimination can and will persist unless the existing pro forma OATT is reformed. We therefore exercise our broad remedial authority today to limit these remaining opportunities for undue discrimination. The Commission concludes that any additional costs incurred by transmission providers to implement the reforms required in this Final Rule are fully justified by the **need to ensure open, transparent and non-discriminatory access to transmission service** (emphasis added).

FERC also notes that the lack of clarity in the rules around ATC provides unnecessarily broad discretion to Transmission Providers. As a result, at paragraph 209 of the Order they state:

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[1] EPSA is the national trade association representing competitive power suppliers, including generators and marketers. These suppliers, who account for 40 percent of the installed generating capacity in the United States, provide reliable and competitively priced electricity from environmentally responsible facilities. EPSA seeks to bring the benefits of competition to all power customers. The comments contained in this filing represent the position of EPSA as an organization, but not necessarily the views of any particular member with respect to any issue.

This discretion also hampers the detection of undue discrimination and, thereby, undermines the **Commission's ability to enforce** (emphasis added) the general requirement in Order No. 888 that transmission service be provided on a not unduly discriminatory basis.

Clearly in the citations above FERC has indicated a high level of interest in:

1. Increasing transparency in the calculation of ATC and its component parts, and
2. Reducing the amount of discretion and therefore increasing the degree of standardization in the calculations such that the Commission can enhance its ability to enforce the requirements of the OATT

It is with that background that EPSA files the following comments.

EPSA Comments:

Two important aspects of transparency that should be achieved by standard WEQ-001 are:

1. The ability for market participants and the Commission to be made aware that changes to ATC or its components have occurred, and
2. The ability for market participants and the Commission to reproduce the results.

If sufficient notice is provided and information is posted to allow for these elements of transparency to be present, market participants can assure themselves that transmission service is being offered in a non-discriminatory manner and the Commission can provide appropriate oversight of the transmission service market.

Accordingly, EPSA recommends the following changes to the current draft of WEQ-001, indicated by underlining, in order to achieve this level of transparency:

> 001-1.6 Information to be posted on OASIS (a) (4):
>
> Clearly identify the degree to which transmission service requests or schedules were denied or interrupted including the underlying data, analysis and assumptions relied upon to make such determination
>
> COMMENT: This additional language is necessary to allow market participants and the Commission to not only have transparency around the actions taken but also the rationale upon which such actions were based.
>
> 001-1.6 Information to be posted on OASIS (b):
>
> Posting transfer capability. The available transfer capability on the Transmission Provider’s system (ATC) and the Total Transfer Capability (TTC) of that system

shall be calculated and posted for each Posted Path as set out in this section. In addition all underlying data, analysis and assumptions necessary to allow transmission customers or the Commission to replicate such ATC and TTC calculations shall be posted.

COMMENT: This additional language is necessary to not only afford transparency to the market, but also to provide market participants and the Commission sufficient information to allow for reproduction of the results.

001-1.6 Information to be posted on OASIS (b) (2) (ii):

~~On request~~, [T]he Responsible Party must ~~make all~~ post all data used to calculate ATC, TTC, CBM and TRM for any constrained posted paths on OASIS (including the limiting element(s) and the cause of the limit (e.g. thermal, voltage, stability), as well as all assumptions including load forecast assumptions) within one week of a determination that a posted path has become constrained pursuant to the definition in (b) (1) (ii).

COMMENT: By definition in section (b) (1) (ii) a path is determined to be constrained based on conditions applicable during a 168 hour historical period or based on forecast conditions for the next 168 hours. By definition, such a designation can appear and disappear quickly, potentially leaving market participants unaware that a path was constrained. Yet any path that is constrained even periodically is inherently of interest to the market. For these constrained paths, it is inappropriate to expect market participants to receive such data only upon request and therefore language requiring participants to make such requests has been struck. To achieve the necessary transparency around the resultant calculations, language was added to require the posting of underlying assumptions as well.

001-1.6 Information to be posted on OASIS (b) (2) (iii):

System planning studies, facilities studies and specific network impact studies performed for customers or the Transmission Provider's own network resources and all underlying data, analysis and assumptions relied upon to perform such studies are to be made publicly available in electronic form ~~on request~~ and a list of such studies shall be posted on the OASIS.

COMMENT: The additional language regarding transparency of background data and the removal of the phrase "on request" is necessary to not only afford transparency to the market, but also to provide market participants and the Commission sufficient information to allow for reproduction of the results.

001-1.6 Information to be posted on OASIS (b) (3) (i) (C) (3):

When the monthly and yearly capability posted under paragraphs (b)(3)(i)(A) and (B) of this section are updated because of a change in TTC by more than 10 percent on any affected path, the Transmission Provider shall post a brief, but specific, narrative explanation of the reason for the update. This narrative should include, the specific events which gave rise to the update (e.g., scheduling of planned outages and occurrence of forced transmission outages, de-ratings of transmission facilities, scheduling of planned generation outages and occurrence of forced generation outages, changes in load forecast, changes in new facilities' in-service dates, or other events or assumptions changes) and new values for ATC, TTC, CBM and TRM on the affected path.

COMMENT: When a there is a change in TTC, disclosure at the path level of all assumptions and the new values for the resultant ATC, CBM and TRM should also be posted on OASIS to provide market participants and Commission staff with the needed transparency. We note as well that with respect to this section of the draft standard, NAESB has indicated in response to comments from ISO-NE that "further discussion is needed by this group to consider tightening the requirements for posting to recognize the widespread use of computerized ATC calculations". We support this suggestion.

001-1.6 Information to be posted on the OASIS (b) (3) (i) (C) (4):

When the monthly and yearly capability posted under paragraphs (b)(3)(i)(A) and (B) remain unchanged at a value of zero for a period of six months, the Transmission Provider shall post a brief, but specific, narrative explanation of the reason for the unavailability of ATC, when ATC is expected to become non-zero, what system improvements or changes are anticipated which will mitigate the unavailability of ATC and, where studies have been conducted with respect to such changes, the expected minimum costs which would be incurred.

COMMENT: The requirement in this standard to post a "brief but specific narrative explanation of the reason for unavailability of ATC" under these circumstances is a good addition to current practices. As the unavailability of ATC implies a high probability of unfilled market needs, the responsible party should also indicate if there are any plans to relieve this congested interface or if any studies have been done to consider alternatives for providing such relief.

001-1.6 Information to be posted on the OASIS (b) (3) (ii) (A):

Postings of firm and non-firm ATC, TTC, CBM, and TRM shall be posted separately by the day, showing for the current day and the next six days following and thereafter, by the month for the 12 months next following. If the Transmission Provider charges separately for on-peak and off-peak periods in its tariff, ATC, TTC, CBM, and TRM will be posted separately for the current day and the next six days following for each period. These postings are to be updated whenever the ATC changes by more than 10 percent of the Path's TTC.

COMMENT: A threshold of 10% would be consistent with the threshold elsewhere in the standard. In this case, since the item being changed is ATC, and the triggering threshold is based on a change in TTC, which by definition is greater than or equal to ATC, a threshold of 5% would be justifiable.

001-1.6 Information to be posted on the OASIS (b) (3) (iii):

C) The Transmission Provider must post the amount of CBM reserved for all posted paths annually and any time CBM is re-evaluated or values change for a given path. In addition, the Transmission Provider must provide the actual CBM used for such posted paths since the previous CBM update.

COMMENT: The draft standard identifies an obligation on Transmission Providers to re-evaluate its CBM at least annually and to provide its methodology for such re-evaluation. The recommended additional wording would allow that when such a re-evaluation is undertaken, the actual historical usage since the previous re-evaluation would be posted for market participants and the Commission to see. This will increase transparency, provide information that will allow for a comparison of different methodologies being utilized by different transmission providers and provide an opportunity to insure that there is an appropriate degree of consistency between Transmission Providers.

001-1.6 Information to be posted on the OASIS (e) (1) (v):

For any request to designate or terminate a network resource, the Transmission Provider (at the time when the request is received), must post on OASIS (and make available for download) information describing the request (including: name of requestor, identification of the resource, effective time for the designation or termination, identification of whether the transaction involves the Transmission Provider's wholesale merchant function or any affiliate, any impact such request has on CBM for any impacted path(s); and any other relevant terms and conditions), and shall keep such information posted on the

OASIS for at least 30 days. A record of the transaction must be retained and kept available as part of the audit log required in WEQ 001-1.7.

COMMENT: The additional language is necessary to provide market participants and the Commission with transparency around the impact, if any, of the requested designation or termination of a network resource on CBM requirements.

Conclusion:

EPSA supports FERC's conclusion that there remains the potential for undue discrimination in the allocation of transmission services, particularly in the portions of the country that lack organized markets. For the most part, in organized markets, where independence is the norm and market power arising from control of transmission is not an issue, much of the additional information being requested in these comments, and in the standard more broadly, has already been made available.

EPSA also believes that there can be no better check on whether or not this potential for undue discrimination is being exploited than by increasing transparency. Such transparency will allow market participants who are the transmission service customers, and the Commission, who have the responsibility for market oversight, to monitor the calculation of these important variables and how they change over time. EPSA firmly believes, based on its members' 10 years of operating experience since Order 888, that greater confidence in the validity of these calculations will lead to greater confidence in the fairness of the marketplace and greater market liquidity.

EPSA appreciates the opportunity to provide these comments to the NAESB WEQ and looks forward to participating in the on-going development of this and the related standards.

FORMAL COMMENTS

Quadrant: Wholesale Electric Quadrant

Change Request: **WEQ-001**

Submitted By: Ed Skiba for Midwest ISO

Date: September 21, 2007

Request Title: Modifications to WEQ-001 to comply with modifications to 18 C.F.R. 37.6 and 37.7 within Order 890

Comments:

1. The proposed standard references in several places the term "affiliate" as related to the Transmission Provider. These references are found in sections: (c)(4), (d)(3), (e)(1)(v), (h)(1), (h)(3), and (i)(1)-(i)(4). The term "affiliate" does not apply to an RTO/ISO such as the Midwest ISO.

   The Midwest ISO recommends additional language exempting ISO/RTO's from this requirement. The justification for this recommendation can be found in Order's 890 and Order 676-B.

   Order 890 paragraph 414: The Commission agrees with PJM and Ameren that affiliate posting requirements do not apply to RTOs and ISOs, since they do not have affiliates to transact with. The Commission also agrees with Entergy that the metrics established for its weekly procurement process are outside the scope of this proceeding.

   Order 676-B paragraph 21: We are very pleased that since the issuance of Order No. 676, parties have sought to raise their regional differences at NAESB, and this effort has resulted in consideration of these issues in the revised Coordinate Interchange Standards that we are adopting in this Final Rule.[1] For example, the WEQ-004 Coordinate Interchange standards have been significantly revised, incorporating regional business practices for the Eastern, Western and ERCOT regions. **NAESB also has voted to add a voting segment for ISOs/RTOs so these organizations can have any variance or other issues related to their business model addressed through the NAESB process.** Having the industry determine such variances is preferable to having these issues raised in individual waiver requests with the Commission.

2. Section (j)(2) requires a monthly posting "as soon as practical" for redispatch data.

[1] See, supra, discussion in P 18.

The Midwest ISO recommends removal of this statement to allow the posting "no later than when it sends invoices…". "As soon as practical" is a subjective term and can be interpreted quite differently. With the understanding that these standards will be filed with FERC and subsequently approve by FERC we are recommending this ambiguous statement be removed from the recommendation.

3. The Midwest ISO also recommends that when the proposed changes are approved by EC and then submitted for member ratification that the recommended changes for WEQ 001-1.6 and WEQ 001-1.7 be formatted in a manner similar to the format used in the business practices booklet version 0.

PJM Formal Comments to EC letter

PJM has submitted the ISO-RTO waiver as posted to the NAESB site. http://www.naesb.org/pdf3/weq_ess_its091007w17.doc. This waiver includes the specific paragraphs and language from order 890 that cover some of the FERC approved exceptions for RTOs and ISOs. PJM would also like to clarify that in some cases, as a market entity, some of the information that is required to be posted is already part of a much richer market structure. Web links to these markets will be located on the PJM oasis website, instead of reposting information from these markets, outside of the structure for which this information would be useful to members of PJM, and those who do business in PJM's markets. We also would like to comment that information posted to the OASIS can mean information posted to the OASIS homepage as well as information posted to the OASIS system itself. We have included below specific responses to sections of these business practices as posted.

(a)(1) Make requests for transmission services offered by Transmission Providers, Resellers and other providers of ancillary services, request the designation of a network resource, and request the termination of the designation of a network resource;

PJM comment: This should be clarified to be "the Scheduled use of the purchased transmission service" will be available on the OASIS, not the complete NERC tag.

(b)(1)(vii) Capacity Benefit Margin or CBM means the amount of TTC preserved by the Transmission Provider for load-serving entities, whose loads are located on that Transmission Provider's system, to enable access by the load-serving entities to generation from interconnected systems to meet generation reliability requirements, or such definition as contained in Commission-approved Reliability Standards.

PJM Comment: PJM proposed to modify the CBM and TTC definitions to note that CBM or TTC "may not apply to Merchant Transmission facilities."

(b)(3)(i)(A)(1) The posting shall show ATC, TTC, CBM, and TRM for a 30day period. For this period postings shall be: by the hour, for the current hour and the 168 hours next following; and thereafter, by the day. If the Transmission Provider charges separately for on-peak and off-peak periods in its tariff, ATC, TTC, CBM, and TRM will be posted daily for each period.

PJM Comment: If there is no change between the TTC, ATC, CBM, or TRM for each individual posting, then a single posting to cover them in any interval should be permissible. For example, if a TTC does not change during month, a single posting (record) can be made for all hours, days and weeks of that month. This will help reduce the volume of postings and data storage.

(d) Posting Ancillary Service Offerings and Prices.

PJM Comment: RTOs and ISOs should not be required to post request and post ancillary services to the OASIS in the event a market is in place for such services. RTOs and ISOs should be required to post a link to the appropriate market systems. Please see the included link to the document for the specific 890 language.

PJM makes the following general comment regarding the designation and undesignation of network resources.

PJM Comment: PJM has a separate, FERC approved capacity market, RPM, which is used to request designation of capacity resources (through an auction). PJM proposes an exception for markets with a capacity market. TPs with capacity markets can post a link their market system on the OASIS. In such case, the TP should be required to post a link to the list of designated resources on the OASIS and requests for designation and undesignation of resources should be made through the capacity market software.

From:
JT Wood
Southern Company

Summary of changes: (all are marked with comments)
1) Reformatted standard to match NAESB WEQ 001 for easier reading.
2) 001-1.6(b) change transmission to transfer to match CFR
3) 001-1.6(b)(3)(i)(C)(3) changed section to standard to be consistent with wording in rest of standard
4) 001-1.6(b)(3)(i)(C)(3) added of this standard to be consistent
5) 001-1.6(h)(1) changed section to standard to be consistent with wording in rest of standard
6) 001-1.6(h)(1)(vi)(A) Docket Nos. RM05-17-000 and RM05-25-000 - 1057 – got left in need to take out
7) 001-1.6(h)(2) changed section to standard to be consistent with wording in rest of standard
8) 001-1.6(h)(3) changed section to standard to be consistent with wording in rest of standard
9) 001-1.6(h)(4) changed section to standard to be consistent with wording in rest of standard

001-1.6 Information to be posted on the OASIS.

(a) The information posted on the OASIS must be in such detail and the OASIS must have such capabilities as to allow Transmission Customers to:

(1) Make requests for transmission services offered by Transmission Providers, Resellers and other providers of ancillary services, request the designation of a network resource, and request the termination of the designation of a network resource;

(2) View and download in standard formats, using standard protocols, information regarding the transmission system necessary to enable prudent business decision making;

(3) Post, view, upload and download information regarding available products and desired services;

(4) Clearly identify the degree to which transmission service requests or schedules were denied or interrupted;

(5) Obtain access, in electronic format, to information to support available transmission capability calculations and historical transmission service requests and schedules for various audit purposes; and

(6) Make file transfers and automated computer-to-computer file transfers and queries as defined by the Standards and Communications Protocols Document.

(b) Posting transfer~~transmission~~[JTW1] capability. The available transfer~~transmission~~ capability ~~that is expected to be available~~ on the Transmission Provider's system (ATC) and the total transfer~~transmission~~ capability (TTC) of that system shall be calculated and posted for each Posted Path as set out in this section.

(1) Definitions. For purposes of this section the terms listed below have the following meanings:

(i) Posted path means any control area to control area interconnection; any path for which service is denied, curtailed or interrupted for more than 24 hours in the past 12 months; and any path for which a customer requests to have ATC or TTC posted. For this last category, the posting must continue for 180 days and thereafter until 180 days have elapsed from the most recent request for service over the requested path. For purposes of this definition, an hour includes any part of an hour during which service was denied, curtailed or interrupted.

(ii) Constrained posted path means any posted path having an ATC less than or equal to 25 percent of TTC at any time during the preceding 168 hours or for which ATC has been calculated to be less than or equal to 25 percent of TTC for any period during the current hour or the next 168 hours.

(iii) Unconstrained posted path means any posted path not determined to be a constrained posted path.

(iv) The word interconnection, as used in the definition of "posted path'', means all facilities connecting two adjacent systems or control areas.

(v) Available transfer capability or ATC means the transfer capability remaining in the physical transmission network for further commercial activity over and above already committed uses, or such definition as contained in Commission- approved Reliability Standards.

(vi) Total transfer capability or TTC means the amount of electric power that can be moved or transferred reliably from one area to another area of the interconnected transmission systems by way of all transmission lines (or paths) between those areas under specified system conditions, or such definition as contained in Commission-approved Reliability Standards.

(vii) Capacity Benefit Margin or CBM means the amount of TTC preserved by the Transmission Provider for load-serving entities, whose loads are located on that Transmission Provider's system, to enable access by the load-serving entities to generation from interconnected systems to meet generation reliability requirements, or such definition as contained in Commission-approved Reliability Standards.

(viii) Transmission Reliability Margin or TRM means the amount of TTC necessary to provide reasonable assurance that the interconnected transmission network will be secure, or such definition as contained in Commission-approved Reliability Standards.

(2) Calculation methods, availability of information, and requests.

(i) Information used to calculate any posting of ATC and TTC must be dated and time-stamped and all calculations shall be performed according to consistently applied methodologies referenced in the Transmission Provider's transmission tariff and shall be based on Commission-approved Reliability Standards as well as current industry practices, standards and criteria.

(ii) On request, the Responsible Party must make all data used to calculate ATC, ~~and~~ TTC, CBM, and TRM for

any constrained posted paths publicly available (including the limiting element(s) and the cause of the limit (e.g., thermal, voltage, stability), as well as load forecast assumptions) in electronic form within one week of the posting. The information is required to be provided only in the electronic format in which it was created, along with any necessary decoding instructions, at a cost limited to the cost of reproducing the material. This information is to be retained for six months after the applicable posting period.

(iii) System planning studies, facilities studies, and ~~or~~ specific network impact studies performed for customers or the Transmission Provider's own network resources ~~to determine network impacts~~ are to be made publicly available in electronic form on request and a list of such studies shall be posted on the OASIS. A study is required to be provided only in the electronic format in which it was created, along with any necessary decoding instructions, at a cost limited to the cost of reproducing the material. These studies are to be retained for five~~two~~ years.

(3) Posting. The ATC, ~~and~~ TTC, CBM, and TRM for all Posted Paths must be posted in megawatts by specific direction and in the manner prescribed in this subsection.

(i) Constrained posted paths—

(A) For Firm ATC and TTC.

(1) The posting shall show ATC, ~~and~~ TTC, CBM, and TRM for a 30-day period. For this period postings shall be: by the hour, for the current hour and the 168 hours next following; and thereafter, by the day. If the Transmission Provider charges separately for on-peak and off-peak periods in its tariff, ATC, ~~and~~ TTC, CBM, and TRM will be posted daily for each period.

(2) Postings shall also be made by the month, showing for the current month and the 12 months next following.

(3) If planning and specific requested transmission studies have been done, seasonal capability shall be posted for the year following the current year and for each year following to the end of the planning horizon but not to exceed 10 years.

(B) For Non-Firm ATC and TTC. The posting shall show ATC, ~~and~~ TTC, CBM, and TRM for a 30-day period by the hour and days prescribed under paragraph (b)(3)(i)(A)(1) of this standard and, if so requested, by the month and year as prescribed under paragraph (b)(3)(i)(A) (2) and (3) of this standard. The posting of non-firm ATC and TTC shall show CBM as zero.

(C) Updating Posted Information for Constrained Paths.

(1) The capability posted under paragraphs (b)(3)(i) (A) and (B) of this standard must be updated when transactions are reserved or service ends or whenever the TTC estimate for the Path changes by more than 10 percent.

(2) All updating of hourly information shall be made on the hour.

(3) When the monthly and yearly capability posted under paragraphs (b)(3)(i)(A) and (B) of this section standard[JTW2] are updated because of a change in TTC by more than10 percent, the Transmission Provider shall post a brief, but specific, narrative explanation of the reason for the update. This narrative should include, the specific events which gave rise to the update (e.g., scheduling of planned outages and occurrence of forced

transmission outages, de-ratings of transmission facilities, scheduling of planned generation outages and occurrence of forced generation outages, changes in load forecast, changes in new facilities' in-service dates, or other events or assumption changes) and new values for ATC on the path (as opposed to all points on the network).

(4) When the monthly and yearly capability posted under paragraphs (b)(3)(i)(A) and (B) of this standard [JTW3]remain unchanged at a value of zero for a period of six months, the Transmission Provider shall post a brief, but specific, narrative explanation of the reason for the unavailability of ATC

(ii) Unconstrained posted paths.

(A) Postings of firm and nonfirm ATC, ~~and~~ TTC, CBM, and TRM shall be posted separately by the day, showing for the current day and the next six days following and thereafter, by the month for the 12 months next following. If the Transmission Provider charges separately for on-peak and off-peak periods in its tariff, ATC, ~~and~~ TTC, CBM, and TRM will be posted separately for the current day and the next six days following for each period. These postings are to be updated whenever the ATC changes by more than 20 percent of the Path's TTC.

(B) If planning and specific requested transmission studies have been done, seasonal capability shall be posted for the year following the current year and for each year following until the end of the planning horizon but not to exceed 10 years.

(iii) Calculation of CBM.

(A) The Transmission Provider must reevaluate its CBM needs at least every year.

(B) The Transmission Provider must post its practices for reevaluating its CBM needs.

(iv) Daily load. The Transmission Provider must post on a daily basis, its actual daily peak load for the prior day.

(c) Posting Transmission Service Products and Prices.

(1) Transmission Providers must post prices and a summary of the terms and conditions associated with all transmission products offered to Transmission Customers.

(2) Transmission Providers must provide a downloadable file of their complete tariffs in the same electronic format as the tariff that is filed with the Commission. Transmission Providers also must provide a link to all of the rules, standards and practices that relate to transmission services posted on the Transmission Providers' public websites.

(3) Any offer of a discount for any transmission service made by the Transmission Provider must be announced to all potential customers solely by posting on the OASIS.

(4) For any transaction for transmission service agreed to by the Transmission Provider and a customer, the Transmission Provider (at the time when ATC must be adjusted in response to the transaction), must post on the OASIS (and make available for download) information describing the transaction (including: price; quantity; points of receipt and delivery; length and type of service; identification of whether the transaction involves the Transmission Provider's' wholesale merchant function or any affiliate; identification of what, if any, ancillary service transactions are associated with this transmission service transaction; and any other relevant terms and conditions) and shall keep such information posted on the OASIS for at least 30 days. A record of the transaction must be retained and kept available as part of the audit log required in Standard 1.7.

(5) Customers choosing to use the OASIS to offer for resale transmission capacity they have purchased must post

relevant information to the same OASIS as used by the Transmission Provider~~one~~ from whom the Reseller purchased the transmission capacity. This information must be posted on the same display page, using the same tables, as similar capability being sold by the Transmission Provider, and the information must be contained in the same downloadable files as the Transmission Provider's' own available capability. A customer reselling transmission capacity without the use of an OASIS must, nevertheless, inform the original Transmission Provider of the transaction within any time limits prescribed by the Transmission Provider's' tariff or in a contract or service agreement between the Transmission Provider and a customer.

(d) Posting Ancillary Service Offerings and Prices.

(1) Any ancillary service required to be provided or offered under the pro forma tariff required under currently applicable regulations must be posted with the price of that service.

(2) Any offer of a discount for any ancillary service made by the Transmission Provider must be announced to all potential customers solely by posting on the OASIS.

(3) For any transaction for ancillary service agreed to by the Transmission Provider and a customer, the Transmission Provider (at the time when ATC must be adjusted in response to an associated transmission service transaction, if any), must post on the OASIS (and make available for download) information describing the transaction (including: date and time when the agreement was entered into; price; quantity; length and type of service; identification of whether the transaction involves the Transmission Provider's' wholesale merchant function or any affiliate; identification of what, if any, transmission service transactions are associated with this ancillary service transaction; and any other relevant terms and conditions) and shall keep such information posted on the OASIS for at least 30 days. A record of the transaction must be retained and kept available as part of the audit log required in Standard 1.7.

(4) Any other interconnected operations service offered by the Transmission Provider may be posted, with the price for that service.

(5) Any entity offering an ancillary service shall have the right to post the offering of that service on the OASIS if the service is one required to be offered by the Transmission Provider under their pro forma tariff. Any entity may also post any other interconnected operations service voluntarily offered by the Transmission Provider. Postings by customers and third parties must be on the same page, and in the same format, as postings of the Transmission Provider.

(e) Posting specific transmission and ancillary service requests and responses—

(1) General rules.

(i) All requests for transmission and ancillary service offered by Transmission Providers under the pro forma tariff, including requests for discounts, and all requests to designate or terminate a network resource, must be made on the OASIS, and posted prior to the Transmission Provider responding to the request, except as discussed in paragraphs (e)(1) (ii) and (iii) of this standard. The Transmission Provider must post all requests for transmission service, ~~and~~ for ancillary service, and for the designation or termination of a network resource comparably. Requests for transmission, ~~and~~ ancillary service, and to designate and terminate a network resource, ~~and~~ as well as the responses to such requests, must be conducted in accordance with the Transmission Provider's' tariff, and all currently applicable laws and regulations.

(ii) The requirement in paragraph (e)(1)(i) of this standard, to post requests for transmission and ancillary service offered by Transmission Providers under the pro forma tariff, including requests for discounts, prior to the Transmission Provider responding to the request, does not apply to requests for next-hour service made during Phase I.

(iii) In the event that a discount is being requested for ancillary services that are not in support of basic transmission service provided by the Transmission Provider, such request need not be posted on the OASIS.

(iv) In processing a request for transmission or ancillary service, the Responsible Party shall post the same information as required in Standard 1.6(c)(4), and Standard 1.6(d)(3), and the following information: the date and time when the request is made, its place in any queue, the status of that request, and the result (accepted, denied, withdrawn). In processing a request to designate or terminate the designation of a network resource, the Responsible Party shall post the date and time when the request is made.

(v) For any request to designate or terminate a network resource, the Transmission Provider (at the time when the request is received), must post on the OASIS (and make available for download) information describing the request (including: name of requestor, identification of the resource, effective time for the designation or termination, identification of whether the transaction involves the Transmission Provider's wholesale merchant function or any affiliate; and any other relevant terms and conditions) and shall keep such information posted on the OASIS for at least 30 days. A record of the transaction must be retained and kept available as part of the audit log required in WEQ 001-1.7.

(vi) The Transmission Provider shall post a list of its current designated network resources and all network customers' current designated network resources on OASIS. The list of network resources should include the name of the resource, its geographic and electrical location, its total installed capacity, and the amount of capacity to be designated as a network resource.

(2) Posting when a request for transmission service is denied.

(i) When a request for service is denied, the Responsible Party must provide the reason for that denial as part of any response to the request.

(ii) Information to support the reason for the denial, including the operating status of relevant facilities, must be maintained for five years~~60 days~~ and provided, upon request, to the potential Transmission Customer and the Commission's staff.

(iii) Any offer to adjust operation of the Transmission Provider's' System to accommodate the denied request must be posted and made available to all Transmission Customers at the same time.

(3) Posting when a transaction is curtailed or interrupted.

(i) When any transaction is curtailed or interrupted, the Transmission Provider must post notice of the curtailment or interruption on the OASIS, and the Transmission Provider must state on the OASIS the reason why the transaction could not be continued or completed.

(ii) Information to support any such curtailment or interruption, including the operating status of the facilities involved in the constraint or interruption, must be maintained and made available upon request, to the curtailed or interrupted customer, the Commission's' Staff, and any other person who requests it, for five~~three~~ years.

(iii) Any offer to adjust the operation of the Transmission Provider's' system to restore a curtailed or interrupted transaction must be posted and made available to all curtailed and interrupted Transmission Customers at the same time.

(f) Posting Transmission Service Schedules Information. Information on transmission service schedules must be recorded by the entity scheduling the transmission service and must be available on the OASIS for download. Transmission service schedules must be posted no later than seven calendar days from the start of the transmission service.

(g) Posting Other Transmission-Related Communications.

(1) The posting of other communications related to transmission services must be provided for by the Responsible Party. These communications may include ``want ads''’’nd ``other communications''’’such as using the OASIS as a Transmission-related conference space or to provide transmission-related messaging services between OASIS users). Such postings carry no obligation to respond on the part of any market participant.

(2) The Responsible Party is responsible for posting other transmission-related communications in conformance with the instructions provided by the third party on whose behalf the communication is posted. It is the responsibility of the third party requesting such a posting to ensure the accuracy of the information to be posted.

(3) Notices of transfers of personnel shall be posted as described in Standard WEQBPS-007-000 4(c). The posting requirements are the same as those provided in Standard 1.7 for audit data postings.

(4) Logs detailing the circumstances and manner in which a Transmission Provider or Responsible Party exercised its discretion under any terms of the tariff shall be posted as described in Standard WEQBPS-007-000 5(c)(4). The posting requirements are the same as those provided in Standard 1.7 for audit data postings.

(h) Posting information summarizing the time to complete transmission service request studies.

(1) For each calendar quarter, the Responsible Party must post the set of measures detailed in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section standard [JTW4]related to the Responsible Party’s processing of transmission service request system impact studies and facilities studies. The Responsible Party must calculate and post the measures in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section standard [JTW5]separately for requests for short-term firm point-to-point transmission service, long-term firm point-to-point transmission service, and requests to designate a new

network resource and must be calculated and posted separately for transmission service requests from Affiliates and transmission service requests from Transmission Customers who are not Affiliates. The Responsible Party is required to include in the calculations of the measures in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section standard [JTW6] all studies the Responsible Party conducts of transmission service requests on another Transmission Provider's OASIS.

(i) Process time from initial service request to offer of system impact study agreement.

(A) Number of new system impact study agreements delivered during the reporting quarter to entities that request transmission service,

(B) Number of new system impact study agreements delivered during the reporting quarter to entities that request transmission service more than thirty (30) days after the Responsible Party received the request for transmission service,

(C) Mean time (in days), for all requests acted on by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the request for transmission service to when the Responsible Party changed the transmission service request status to indicate that the Responsible Party could offer transmission service or needed to perform a system impact study,

(D) Mean time (in days), for all system impact study agreements delivered by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the request for transmission service to the date when the Responsible Party delivered a system impact study agreement, and

(E) Number of new system impact study agreements executed during the reporting quarter.

(ii) System impact study processing time.

(A) Number of system impact studies completed by the Responsible Party during the reporting quarter,

(B) Number of system impact studies completed by the Responsible Party during the reporting quarter more than 60 days after the Responsible Party received an executed system impact study agreement,

(C) For all system impact studies completed more than 60 days after receipt of an executed system impact study agreement, average number of days study was delayed due to transmission customer's actions (e.g., delays in providing needed data),

(D) Mean time (in days), for all system impact studies completed by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the executed system impact study agreement to the date when the Responsible Party provided the system impact study to the entity who executed the system impact study agreement, and

(E) Mean cost of system impact studies completed by the Responsible Party during the reporting quarter.

(iii) Transmission service requests withdrawn from the system impact study queue.

(A) Number of transmission service requests withdrawn from the Responsible Party's system impact study queue during the reporting quarter,

(B) Number of transmission service requests withdrawn from the Responsible Party's system

impact study queue during the reporting quarter more than 60 days after the Responsible Party received the executed system impact study agreement, and

(C) Mean time (in days), for all transmission service requests withdrawn from the Responsible Party's system impact study queue during the reporting quarter, from the date the Responsible Party received the executed system impact study agreement to date when request was withdrawn from the Responsible Party's system impact study queue.

(iv) Process time from completed system impact study to offer of facilities study.

(A) Number of new facilities study agreements delivered during the reporting quarter to entities that request transmission service,

(B) Number of new facilities study agreements delivered during the reporting quarter to entities that request transmission service more than thirty (30) days after the Responsible Party completed the system impact study,

(C) Mean time (in days), for all facilities study agreements delivered by the Responsible Party during the reporting quarter, from the date when the Responsible Party completed the system impact study to the date when the Responsible Party delivered a facilities study agreement, and

(D) Number of new facilities study agreements executed during the reporting quarter.

(v) Facilities study processing time.

(A) Number of facilities studies completed by the Responsible Party during the reporting quarter,

(B) Number of facilities studies completed by the Responsible Party during the reporting quarter

more than 60 days after the Responsible Party received an executed facilities study agreement,

(C) For all facilities studies completed more than 60 days after receipt of an executed facilities study agreement, average number of days study was delayed due to transmission customer's actions (e.g., delays in providing needed data),

(D) Mean time (in days), for all facilities studies completed by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the executed facilities study agreement to the date when the Responsible Party provided the facilities study to the entity who executed the facilities study agreement,

(E) Mean cost of facilities studies completed by the Responsible Party during the reporting quarter, and

(F) Mean cost of upgrades recommended in facilities studies completed during the reporting quarter.

(vi) Service requests withdrawn from facilities study queue.

(A) Number of transmission service requests withdrawn from the Responsible Party's facilities study queue during the reporting quarter, Docket Nos. RM05-17-000 and RM05-25-000 - 1057 – [JTW7]

(B) Number of transmission service requests withdrawn from the Responsible Party's facilities study queue during the reporting quarter more than 60 days after the Responsible Party received the executed facilities study agreement, and

(C) Mean time (in days), for all transmission service requests withdrawn from the Responsible Party's facilities study queue during the reporting

quarter, from the date the Responsible Party received the executed facilities study agreement to date when request was withdrawn from the Responsible Party's facilities study queue

(2) The Responsible Party is required to post the measures in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section standard [JTW8]for each calendar quarter within 15 days of the end of the calendar quarter. The Responsible Party will keep the quarterly measures posted on OASIS for three calendar years.

(3) The Responsible Party will be required to post on OASIS the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section standard [JTW9]in the event the Responsible Party, for two consecutive calendar quarters, completes more than twenty (20) percent of the studies associated with requests for transmission service from entities that are not Affiliates of the Responsible Party more than sixty (60) days after the Responsible Party delivers the appropriate study agreement. The Responsible Party will have to post the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section standard[JTW10] until it processes at least ninety (90) percent of all studies within 60 days after it has received the appropriate executed study agreement. For the purposes of calculating the percent of studies completed more than sixty (60) days after the Responsible Party delivers the appropriate study agreement, the Responsible Party should aggregate all system impact studies and facilities studies that it completes during the reporting quarter. The Responsible Party must calculate and post the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section standard [JTW11]separately for requests for short-term firm point-to-point transmission service, long-term firm point-to-point transmission service, and requests to designate a new network resource and must be calculated and posted separately for transmission service requests from Affiliates and transmission service requests from Transmission Customers who are not Affiliates.

(i) Mean, across all system impact studies the Responsible Party completes during the reporting quarter, of the employee-hours expended per system

impact study the Responsible Party completes during reporting period;

(ii) Mean, across all facilities studies the Responsible Party completes during the reporting quarter, of the employee-hours expended per facilities study the Responsible Party completes during reporting period;

(iii) The number of employees the Responsible Party has assigned to process system impact studies;

(iv) The number of employees the Responsible Party has assigned to process facilities studies.

(4) The Responsible Party is required to post the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section standard [JTW12]for each calendar quarter within 15 days of the end of the calendar quarter. The Responsible Party will keep the quarterly measures posted on OASIS for five calendar years.

(i) Posting data related to grants and denials of service. The Responsible Party is required to post data each month listing, by path or flow gate, the number of transmission service requests that have been accepted and the number of transmission service requests that have been denied during the prior month. This posting must distinguish between the length of the service request (e.g., short-term or long-term requests) and between the type of service requested (e.g., firm point-to-point, non firm point-to-point or network service). The posted data must show:

(1) The number of non-Affiliate requests for transmission service that have been rejected,

(2) The total number of non-Affiliate requests for transmission service that have been made,

(3) The number of Affiliate requests for transmission service that have been rejected, and

(4) The total number of Affiliate requests for transmission service that have been made.

(j) Posting redispatch data.

(1) The Transmission Provider must allow the posting on OASIS of any third party offer to relieve a specified congested transmission facility.

(2) The Transmission Provider must post on OASIS

(i) its monthly average cost of planning and reliability redispatch, for which it invoices customers, at each internal transmission facility or interface over which it provides redispatch service and

(ii) a high and low redispatch cost for the month for each of these same transmission facilities. The transmission provider must post this data on OASIS as soon as practical after the end of each month, but no later than when it sends invoices to transmission customers for redispatch-related services.

001-1.7 Auditing Transmission Service Information.

(a) All OASIS database transactions, except other transmission-related communications provided for under Standard 1.6(g)(2), must be stored, dated, and time stamped.

(b) Audit data must remain available for download on the OASIS for 90 days, except ATC/TTC postings that must remain available for download on the OASIS for 20 days. The audit data are to be retained and made available upon request for download for five~~three~~ years from the date when they are first posted in the same electronic form as used when they originally were posted on the OASIS.

Southwest Power Pool Comments on WEQ-001
September 21, 2007

SPP submits the following comments on the WEQ-001 changes.

001-1.6 Information to be posted on the OASIS.

(a) The information posted on the OASIS must be in such detail and the OASIS must have such capabilities as to allow Transmission Customers to:

(1) Make requests for transmission services offered by Transmission Providers, Resellers and other providers of ancillary services, requests for the designation of a network resource, and requests for the termination of the designation of a network resource;
(2) View and download in standard formats, using standard protocols, information regarding the transmission system necessary to enable prudent business decision making;
(3) Post, view, upload and download information regarding available products and desired services;
(4) Clearly identify the degree to which transmission service requests or schedules were denied or interrupted;
(5) Obtain access, in electronic format, to information to support available transmission capability calculations and historical transmission service requests and schedules for various audit purposes; and
(6) Make file transfers and automated computer-to-computer file transfers and queries as defined by the Standards and Communications Protocols Document.

(b) Posting transfer capability. The available transfer capability on the Transmission Provider's system (ATC) and the total transfer capability (TTC) of that system shall be calculated and posted for each Posted Path as set out in this section.

(1) Definitions. For purposes of this section the terms listed below have the following meanings:

(i) Posted path means any control area to control area interconnection; any path for which service is denied, curtailed or interrupted for more than 24 hours in the past 12 months; and any path for which a customer requests to have ATC or TTC posted. For this last category, the posting must continue for 180 days and thereafter until 180 days have elapsed from the most recent request for service over the requested path. For purposes of this definition, an hour includes any part of an hour during which service was denied, curtailed or interrupted.

(ii) Constrained posted path means any posted path having an ATC less than or equal to 25 percent of TTC at any time during the preceding 168 hours or for which ATC has been calculated to be less than or equal to 25 percent of TTC for any period during the current hour or the next 168 hours.
(iii) Unconstrained posted path means any posted path not determined to be a constrained posted path.
(iv) The word interconnection, as used in the definition of "posted path'', means all facilities connecting two adjacent systems or control areas.
(v) Available transfer capability or ATC means the transfer capability remaining in the physical transmission network for further commercial activity over and above already committed uses, or such definition as contained in Commission-approved Reliability Standards.
(vi) Total transfer capability or TTC means the amount of electric power that can be moved or transferred reliably from one area to another area of the interconnected transmission systems by way of all transmission lines (or paths) between those areas under specified system conditions, or such definition as contained in Commission-approved Reliability Standards. *Should clarify definition so that it is clear that TTC is calculated from either the total thermal limits of the interconnection or the FCITC of the interconnection.*

(vii) Capacity Benefit Margin or CBM means the amount of TTC preserved by the Transmission Provider for load-serving entities, whose loads are located on that Transmission Provider's system, to enable access by the load-serving entities to generation from interconnected systems to meet generation reliability requirements, or such definition as contained in Commission-approved Reliability Standards.
(viii) Transmission Reliability Margin or TRM means the amount of TTC necessary to provide reasonable assurance that the interconnected transmission network will be secure, or such definition as contained in Commission-approved Reliability Standards.

(2) Calculation methods, availability of information, and requests.
(i) Information used to calculate any posting of ATC and TTC must be dated and time-stamped and all calculations shall be performed according to consistently applied methodologies referenced in the Transmission Provider's transmission tariff and shall be based on Commission-approved Reliability Standards as well as current industry practices, standards and criteria.
(ii) On request, the Responsible Party must make all data used to calculate ATC, TTC, CBM, and TRM for any constrained posted paths publicly available (including the limiting element(s) and the cause of the limit (e.g., thermal, voltage, stability), as well as load forecast assumptions) in electronic form within one week of the posting. The information is required to be provided only in the electronic format in which it was created, along with any necessary decoding instructions, at a cost limited to the cost of reproducing the material. This information is to be retained for six months after the applicable posting period.

This requirement should be to make data publicly available within one week of request rather than one week of posting.

(iii) System planning studies, facilities studies, and specific network impact studies performed for customers or the Transmission Provider's own network resources are to be made publicly available in electronic form on request and a list of such studies shall be posted on the OASIS. A study is required to be provided only in the electronic format in which it was created, along with any necessary decoding instructions, at a cost limited to the cost of reproducing the material. These studies are to be retained for five years.

(3) Posting. The ATC, TTC, CBM, and TRM for all Posted Paths must be posted in megawatts by specific direction and in the manner prescribed in this subsection. *This requirement should allow posting by flowgate for TSPs that calculate CBM and TRM by flowgate.*

(i) Constrained posted paths—

(A) For Firm ATC and TTC.

(1) The posting shall show ATC, TTC, CBM, and TRM for a 30day period. For this period postings shall be: by the hour, for the current hour and the 168 hours next following; and thereafter, by the day. If the Transmission Provider charges separately for on-peak and off-peak periods in its tariff, ATC, TTC, CBM, and TRM will be posted daily for each period.

(2) Postings shall also be made by the month, showing for the current month and the 12 months next following.

(3) If planning and specific requested transmission studies have been done, seasonal capability shall be posted for the year following the current year and for each year following to the end of the planning horizon but not to exceed 10 years.

(B) For Non-Firm ATC and TTC. The posting shall show ATC, TTC, CBM, and TRM for a 30-day period by the hour and days prescribed under paragraph (b)(3)(i)(A)(1) of this standard and, if so requested, by the month and year as prescribed under paragraph (b)(3)(i)(A) (2) and (3) of this standard. The posting of non-firm ATC and TTC shall show CBM as zero.

(C) Updating Posted Information for Constrained Paths.

(1) The capability posted under paragraphs (b)(3)(i)(A) and (B) of this standard must be updated when transactions are reserved or service ends or whenever the TTC estimate for the Path changes by more than 10 percent.

(2) All updating of hourly information shall be made on the hour.

(3) When the monthly and yearly capability posted under paragraphs (b)(3)(i)(A) and (B) of this section are updated because of a change in TTC by more than10

percent, the Transmission Provider shall post a brief, but specific, narrative explanation of the reason for the update. This narrative should include, the specific events which gave rise to the update (e.g., scheduling of planned outages and occurrence of forced transmission outages, de-ratings of transmission facilities, scheduling of planned generation outages and occurrence of forced generation outages, changes in load forecast, changes in new facilities' in-service dates, or other events or assumption changes) and new values for ATC on the path (as opposed to all points on the network).

(4) When the monthly or yearly capability posted under paragraphs (b)(3)(i)(A) and (B) remain unchanged for a specific month or year at a value of zero for a period of six months, the Transmission Provider shall post a brief, but specific, narrative explanation of the reason for the unavailability of ATC.

(ii) Unconstrained posted paths.

(A) Postings of firm and non-firm ATC, TTC, CBM, and TRM shall be posted separately by the day, showing for the current day and the next six days following and thereafter, by the month for the 12 months next following. If the Transmission Provider charges separately for on-peak and off-peak periods in its tariff, ATC, TTC, CBM, and TRM will be posted separately for the current day and the next six days following for each period. These postings are to be updated whenever the ATC changes by more than 20 percent of the Path's TTC. *Some TSP's do not calculate CBM and TRM 12 months in advance. Change requirement to post 3 months ahead.*

(B) If planning and specific requested transmission studies have been done, seasonal capability shall be posted for the year following the current year and for each year following until the end of the planning horizon but not to exceed 10 years.

(iii) Calculation of CBM.

(A) The Transmission Provider must reevaluate its CBM needs at least every
year.

(B) The Transmission Provider must post its practices for reevaluating its CBM needs.

(iv) Daily load. The Transmission Provider must post on a daily basis, its actual daily peak load for the prior day.

(c) Posting Transmission Service Products and Prices.

(1) Transmission Providers must post prices and a summary of the terms and conditions associated with all transmission products offered to Transmission Customers.

(2) Transmission Providers must provide a downloadable file of their complete tariffs in the same electronic format as the tariff that is filed with the Commission. Transmission Providers also must provide a link to all of the rules, standards and practices that relate to transmission services posted on the Transmission Providers' public websites.

(3) Any offer of a discount for any transmission service made by the Transmission Provider must be announced to all potential customers solely by posting on the OASIS.

(4) For any transaction for transmission service agreed to by the Transmission Provider and a customer, the Transmission Provider (at the time when ATC must be adjusted in response to the transaction), must post on the OASIS (and make available for download) information describing the transaction (including: price; quantity; points of receipt and delivery; length and type of service; identification of whether the transaction involves the Transmission Provider's' wholesale merchant function or any affiliate; identification of what, if any, ancillary service transactions are associated with this transmission service transaction; and any other relevant terms and conditions) and shall keep such information posted on the OASIS for at least 30 days. A record of the transaction must be retained and kept available as part of the audit log required in Standard 1.7.

(5) Customers choosing to use the OASIS to offer for resale transmission capacity they have purchased must post relevant information to the same OASIS as used by the Transmission Provider from whom the Reseller purchased the transmission capacity. This information must be posted on the same display page, using the same tables, as similar capability being sold by the Transmission Provider, and the information must be contained in the same downloadable files as the Transmission Provider's' own available capability. A customer reselling transmission capacity without the use of an OASIS must, nevertheless, inform the original Transmission Provider of the transaction within any time limits prescribed by the Transmission Provider's' tariff or in a contract or service agreement between the Transmission Provider and a customer.

(d) Posting Ancillary Service Offerings and Prices.

(1) Any ancillary service required to be provided or offered under the pro forma tariff required under currently applicable regulations must be posted with the price of that service.

(2) Any offer of a discount for any ancillary service made by the Transmission Provider must be announced to all potential customers solely by posting on the OASIS.

(3) For any transaction for ancillary service agreed to by the Transmission Provider and a customer, the Transmission Provider (at the time when ATC must be adjusted in response to an associated transmission service transaction, if any), must post on the OASIS (and make available for download) information describing the transaction (including: date and time when the agreement was entered into; price; quantity; length and type of service; identification of whether the transaction involves the Transmission Provider's wholesale merchant function or any affiliate; identification of what, if any, transmission service transactions are

associated with this ancillary service transaction; and any other relevant terms and conditions) and shall keep such information posted on the OASIS for at least 30 days. A record of the transaction must be retained and kept available as part of the audit log required in Standard 1.7.

(4) Any other interconnected operations service offered by the Transmission Provider may be posted, with the price for that service.

(5) Any entity offering an ancillary service shall have the right to post the offering of that service on the OASIS if the service is one required to be offered by the Transmission Provider under their pro forma tariff. Any entity may also post any other interconnected operations service voluntarily offered by the Transmission Provider. Postings by customers and third parties must be on the same page, and in the same format, as postings of the Transmission Provider.

(e) Posting specific transmission and ancillary service requests and responses—

(1) General rules.

(i) All requests for transmission and ancillary service offered by Transmission Providers under the pro forma tariff, including requests for discounts, and all requests to designate or terminate a network resource, must be made on the OASIS, and posted prior to the Transmission Provider responding to the request, except as discussed in paragraphs (e)(1) (ii) and (iii) of this standard. The Transmission Provider must post all requests for transmission service, for ancillary service, and for the designation or termination of a network resource comparably. Requests for transmission, ancillary service, and to designate and terminate a network resource, as well as the responses to such requests, must be conducted in accordance with the Transmission Provider's tariff and all currently applicable laws and regulations.

(ii) The requirement in paragraph (e)(1)(i) of this standard, to post requests for transmission and ancillary service offered by Transmission Providers under the pro forma tariff, including requests for discounts, prior to the Transmission Provider responding to the request, does not apply to requests for next-hour service made during Phase I.

(iii) In the event that a discount is being requested for ancillary services that are not in support of basic transmission service provided by the Transmission Provider, such request need not be posted on the OASIS.

(iv) In processing a request for transmission or ancillary service, the Responsible Party shall post the same information as required in Standard 1.6(c)(4), and Standard 1.6(d)(3) and the following information: the date and time when the request is made, its place in any queue, the status of that request, and the result (accepted, denied, withdrawn). In processing a request to designate or terminate the designation of a network resource, the Responsible Party shall post the date and time when the request is made.

(v) For any request to designate or terminate a network resource, the Transmission Provider (at the time when the request is received), must post on the OASIS (and make available for download) information describing the request (including: name of requestor, identification of the resource,

effective time for the designation or termination, identification of whether the transaction involves the Transmission Provider's wholesale merchant function or any affiliate; and any other relevant terms and conditions) and shall keep such information posted on the OASIS for at least 30 days. A record of the transaction must be retained and kept available as part of the audit log required in WEQ 001- 1.7.

(vi) The Transmission Provider shall post a list of its current designated network resources and all network customers' current designated network resources on OASIS. The list of network resources should include the name of the resource, its geographic and electrical location, its total installed capacity, and the amount of capacity to be designated as a network resource.

(2) Posting when a request for transmission service is denied.

(i) When a request for service is denied, the Responsible Party must provide the reason for that denial as part of any response to the request.

(ii) Information to support the reason for the denial, including the operating status of relevant facilities, must be maintained for five years and provided, upon request, to the potential Transmission Customer and the Commission's staff. .

(iii) Any offer to adjust operation of the Transmission Provider's System to accommodate the denied request must be posted and made available to all Transmission Customers at the same time.

(3) Posting when a transaction is curtailed or interrupted.

(i) When any transaction is curtailed or interrupted, the Transmission Provider must post notice of the curtailment or interruption on the OASIS, and the Transmission Provider must state on the OASIS the reason why the transaction could not be continued or completed.

(ii) Information to support any such curtailment or interruption, including the operating status of the facilities involved in the constraint or interruption, must be maintained and made available upon request, to the curtailed or interrupted customer, the Commission's' Staff, and any other person who requests it, for five years.

(iii) Any offer to adjust the operation of the Transmission Provider's system to restore a curtailed or interrupted transaction must be posted and made available to all curtailed and interrupted Transmission Customers at the same time.

(f) Posting Transmission Service Schedules Information. Information on transmission service schedules must be recorded by the entity scheduling the transmission service and must be available on the OASIS for download. Transmission service schedules must be posted no later than seven calendar days from the start of the transmission service.

(g) Posting Other Transmission-Related Communications.

(1) The posting of other communications related to transmission services must be provided for by the Responsible Party. These communications may include ``want ads"''nd ``other communications"''such as using the OASIS as a Transmission-related conference space or to provide transmission-related messaging services between OASIS users). Such postings carry no obligation to respond on the part of any market participant.

(2) The Responsible Party is responsible for posting other transmission-related communications in conformance with the instructions provided by the third party on whose behalf the communication is posted. It is the responsibility of the third party requesting such a posting to ensure the accuracy of the information to be posted.

(3) Notices of transfers of personnel shall be posted as described in Standard WEQBPS-007-000 4(c). The posting requirements are the same as those provided in Standard 1.7 for audit data postings.

(4) Logs detailing the circumstances and manner in which a Transmission Provider or Responsible Party exercised its discretion under any terms of the tariff shall be posted as described in Standard WEQBPS-007-000 5(c)(4). The posting requirements are the same as those provided in Standard 1.7 for audit data postings.

(h) Posting information summarizing the time to complete transmission service request studies.

(1) For each calendar quarter, the Responsible Party must post the set of measures detailed in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section related to the Responsible Party's processing of transmission service request system impact studies and facilities studies. The Responsible Party must calculate and post the measures in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section separately for requests for short-term firm point-to-point transmission service, long-term firm point-to-point transmission service, and requests to designate a new network resource and must be calculated and posted separately for transmission service requests from Affiliates and transmission service requests from Transmission Customers who are not Affiliates. The Responsible Party is required to include in the calculations of the measures in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section all studies the Responsible Party conducts of transmission service requests on another Transmission Provider's OASIS.

(i) Process time from initial service request to offer of system impact study agreement.

(A) Number of new system impact study agreements delivered during the reporting quarter to entities that request transmission service,

(B) Number of new system impact study agreements delivered during the reporting quarter to entities that request transmission service more than

thirty (30) days after the Responsible Party received the request for transmission service,
(C) Mean time (in days), for all requests acted on by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the request for transmission service to when the Responsible Party changed the transmission service request status to indicate that the Responsible Party could offer transmission service or needed to perform a system impact study,
(D) Mean time (in days), for all system impact study agreements delivered by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the request for transmission service to the date when the Responsible Party delivered a system impact study agreement, and
(E) Number of new system impact study agreements executed during the reporting quarter.

(ii) System impact study processing time. *Should clarify whether this time should be an average.*

(A) Number of system impact studies completed by the Responsible Party during the reporting quarter,
(B) Number of system impact studies completed by the Responsible Party during the reporting quarter more than 60 days after the Responsible Party received an executed system impact study agreement,
(C) For all system impact studies completed more than 60 days after receipt of an executed system impact study agreement, average number of days study was delayed due to transmission customer's actions (e.g., delays in providing needed data),
(D) Mean time (in days), for all system impact studies completed by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the executed system impact study agreement to the date when the Responsible Party provided the system impact study to the entity who executed the system impact study agreement, and
(E) Mean cost of system impact studies completed by the Responsible Party during the reporting quarter.

(iii) Transmission service requests withdrawn from the system impact study queue.

(A) Number of transmission service requests withdrawn from the Responsible Party's system impact study queue during the reporting quarter,
(B) Number of transmission service requests withdrawn from the Responsible Party's system impact study queue during the reporting quarter

more than 60 days after the Responsible Party received the executed system impact study agreement, and

(C) Mean time (in days), for all transmission service requests withdrawn from the Responsible Party's system impact study queue during the reporting quarter, from the date the Responsible Party received the executed system impact study agreement to date when request was withdrawn from the Responsible Party's system impact study queue.

(iv) Process time from completed system impact study to offer of facilities study.

(A) Number of new facilities study agreements delivered during the reporting quarter to entities that request transmission service,

(B) Number of new facilities study agreements delivered during the reporting quarter to entities that request transmission service more than thirty (30) days after the Responsible Party completed the system impact study,

(C) Mean time (in days), for all facilities study agreements delivered by the Responsible Party during the reporting quarter, from the date when the Responsible Party completed the system impact study to the date when the Responsible Party delivered a facilities study agreement, and

(D) Number of new facilities study agreements executed during the reporting quarter.

(v) Facilities study processing time.

(A) Number of facilities studies completed by the Responsible Party during the reporting quarter,

(B) Number of facilities studies completed by the Responsible Party during the reporting quarter more than 60 days after the Responsible Party received an executed facilities study agreement,

(C) For all facilities studies completed more than 60 days after receipt of an executed facilities study agreement, average number of days study was delayed due to transmission customer's actions (e.g., delays in providing needed data),

(D) Mean time (in days), for all facilities studies completed by the Responsible Party during the reporting quarter, from the date when the Responsible Party received the executed facilities study agreement to the date when the Responsible Party provided the facilities study to the entity who executed the facilities study agreement,

(E) Mean cost of facilities studies completed by the Responsible Party during the reporting quarter, and

(F) Mean cost of upgrades recommended in facilities studies completed during the reporting quarter.

(vi) Service requests withdrawn from facilities study queue.

(A) Number of transmission service requests withdrawn from the Responsible
Party's facilities study queue during the reporting quarter,
Docket Nos. RM05-17-000 and RM05-25-000 - 1057 -
(B) Number of transmission service requests withdrawn from the Responsible Party's facilities study queue during the reporting quarter more than 60 days after the Responsible Party received the executed facilities study agreement, and
(C) Mean time (in days), for all transmission service requests withdrawn from the Responsible Party's facilities study queue during the reporting quarter, from the date the Responsible Party received the executed facilities study agreement to date when request was withdrawn from the Responsible Party's facilities study queue
(2) The Responsible Party is required to post the measures in paragraph (h)(1)(i) through paragraph (h)(1)(vi) of this section for each calendar quarter within 15 days of the end of the calendar quarter. The Responsible Party will keep the quarterly measures posted on OASIS for three calendar years.

(3) The Responsible Party will be required to post on OASIS the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section in the event the Responsible Party, for two consecutive calendar quarters, completes more than twenty (20) percent of the studies associated with requests for transmission service from entities that are not Affiliates of the Responsible Party more than sixty (60) days after the Responsible Party delivers the appropriate study agreement. The Responsible Party will have to post the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section until it processes at least ninety (90) percent of all studies within 60 days after it has received the appropriate executed study agreement. For the purposes of calculating the percent of studies completed more than sixty (60) days after the Responsible Party delivers the appropriate study agreement, the Responsible Party should aggregate all system impact studies and facilities studies that it completes during the reporting quarter. The Responsible Party must calculate and post the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section separately for requests for short-term firm point-to-point transmission service, long-term firm point-to-point transmission service, and requests to designate a new network resource and must be calculated and posted separately for transmission service requests from Affiliates and transmission service requests from Transmission Customers who are not Affiliates.

(i) Mean, across all system impact studies the Responsible Party completes during the reporting quarter, of the employee-hours expended per system impact study the Responsible Party completes during reporting period;

(ii) Mean, across all facilities studies the Responsible Party completes during the reporting quarter, of the employee-hours expended per facilities study the Responsible Party completes during reporting period;
(iii) The number of employees the Responsible Party has assigned to process system impact studies;
(iv) The number of employees the Responsible Party has assigned to process facilities studies.

(4) The Responsible Party is required to post the measures in paragraph (h)(3)(i) through paragraph (h)(3)(iv) of this section for each calendar quarter within 15 days of the end of the calendar quarter. The Responsible Party will keep the quarterly measures posted on OASIS for five calendar years.

(i) Posting data related to grants and denials of service. The Responsible Party is required to post data each month listing, by path or flow gate, the number of transmission service requests that have been accepted and the number of transmission service requests that have been denied during the prior month. This posting must distinguish between the length of the service request (e.g., short-term or long-term requests) and between the type of service requested (e.g., firm point-to-point, non firm point-to-point or network service). The posted data must show:
(1) The number of non-Affiliate requests for transmission service that have been rejected,
(2) The total number of non-Affiliate requests for transmission service that have been made,
(3) The number of Affiliate requests for transmission service that have been rejected, and
(4) The total number of Affiliate requests for transmission service that have been made.

(j) Posting redispatch data.

(1) The Transmission Provider must allow the posting on OASIS of any third party offer to relieve a specified congested transmission facility.
(2) The Transmission Provider must post on OASIS (i) its monthly average cost of planning and reliability redispatch, for which it invoices customers, at each internal transmission facility or interface over which it provides redispatch service and (ii) a high and low redispatch cost for the month for each of these same transmission facilities. The transmission provider must post this data on OASIS as soon as practical after the end of each month, but no later than when it sends invoices to transmission customers for redispatch-related services.

001-1.7 Auditing Transmission Service Information.

(a) All OASIS database transactions, except other transmission-related communications provided for under Standard 1.6(g)(2), must be stored, dated, and time stamped.
(b) Audit data must remain available for download on the OASIS for 90 days, except ATC/TTC postings that must remain available for download on the OASIS for 20 days. The audit data are to be retained and made available upon request for download for five years from the date when they are first posted in the same electronic form as used when they originally were posted on the OASIS.

From: Mucci, Ron (Power)
Sent: Friday, August 17, 2007 10:51 AM
To: naesb@naesb.org
Cc: Gildea, Michael F; jcashin Stanton, James
Subject: Comments on proposed modifications to WEQ 001 1.6 and 1.7

Attached below are my comments on draft modifications to WEQ 001 to address Order 890. Please forward this to the WEQ ESS/ITS and BPS for consideration.

Thanks,

Ron

001-1.6 Information to be posted on the OASIS
(a) (4) Clearly identify the degree to which transmission service requests or schedules were denied or interrupted and the underlying data, analysis and assumptions relied upon to make such determination;

Comment: To achieve the goal of transparency, it is essential to disclose both the action taken and the assumptions/reasons behind the results.

(b) Posting transfer capability. The available transfer capability on the Transmission Provider's system (ATC) and the total transfer capability (TTC) of that system shall be calculated and posted for each Posted Path as set out in this section. All underlying data, analysis and assumptions necessary to allow transmission customers to replicate such ATC and TTC calculations should be posted.

Comment: It is essential that transmission customers be able to replicate the ATC/TTC calculations. Otherwise, the same "black box" results will add nothing to the transparency requirements envisioned by the Commission in Order 890.

(b) (2) (ii) should be revised to read as follows:

The Responsible Party must post all data used to calculate ATC, TTC, CBM and TRM for any constrained path(s) (including the limiting element(s) and the cause of the limit (e.g., thermal, voltage, stability), as well as all assumptions including load forecast) in electronic form within one week of the denial, interruption or any other actions taken as a result of such constraint.

(b) (2) (iii) should be revised to read as follows:

System planning studies, facilities studies, and specific network impact studies performed for customers or the Transmission Provider's own network resources are to be made publicly available in electronic form and a list of such studies shall be posted on the OASIS.

Comment: the phrase "on request" was struck. Given the inability of transmission customers to know when all such studies are performed, it is essential that the Transmission Provider be required to post such data. Rather than placing the burden on customers to request/"pull" the information, the requirements should provide that the Transmission Provider post/"push" such information any time such studies are done. The Transmission Providers are the only ones who know when such studies are performed and are in possession of the information that must be posted.

(C) (3) should be revised to read as follows:

When the monthly and yearly capability posted under paragraphs (b)(3)(i)(A) and (B) of this section are updated because of a change in TTC by more than 10 percent on any affected path, the Transmission Provider shall post a brief, but specific, narrative explanation of the reason for the update. This narrative should include the specific events which gave rise to the update (e.g., scheduling of planned outages and occurrence of forced transmission outages, de-ratings of transmission facilities, scheduling of planned generation outages and occurrence of forced generation outages, changes in load forecast, changes in new facilities' in-service dates, or other events or assumption changes) and new values for ATC, TTC, CBM and TRM on the path (as opposed to all points on the network).

Comment: Disclosure should be made at the path level for all data values which affect ATC which also includes TTC, CBM and TRM.

(C) (3) (ii) (A) should be revised to read as follows:

These postings are to be updated whenever the ATC changes by more than 10 percent of the Path's TTC.

Comment: Given the consistent use of a ten percent threshold, there is not basis provided for a broader standard being applied to the relative changes in ATC.

(iii) Calculation of CBM should include a new requirement (C) as follows:

(C) The Transmission Provider must post the amount of CBM reserved on each path and the actual CBM used for the same period.

Comment: It is essential that all market participants be able to assess the degree to which the Transmission Provider is being overly conservative in their use of CBM relative to the amount actually relied upon. Over time, a patter of excess CBM should be reviewed to determine if such amounts on each path can be reduced and thereby increase the amount of ATC all other factors being equal.

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This work paper identifies the data addressed in NERC ATC Standards (MOD - 001, MOD – 004, MOD – 008, MOD – 028, MOD – 029 and MOD – 030) and categorizes whether or not the data will be available on OASIS.

Standard Reference	Information	Available on OASIS (yes or no)	Comments
MOD-001R2	ATC values	Yes	
MOD-001R3	The ATCID document	Yes	
MOD-001R8	When calculating TTC, AFC and ATC, the Transmission Operator and Transmission Service Provider shall each use assumptions consistent with those used in any associated operations studies or planning studies for the time period studied. *[Violation Risk Factor: Lower] [Time Horizon: Operations Planning]*	To Be Determined (TBD)	To be clarified by the NERC Standards drafting team
MOD-001R10.1	Expected generation and Transmission outages, additions, and retirements	TBD	NERC will review for reliability/security concerns and NAESB will review for commercial sensitivity concerns
MOD-001R10.2	Peak Load forecasts	TBD	NERC will review for reliability/security concerns and NAESB will review for commercial sensitivity concerns
MOD-001R10.3	Unit commitments and dispatch orders, to include all designated network resources and other resources that are committed or have the legal obligation to run, as they are expected to run, in one of the following formats chosen by the data provider: - Dispatch order - Participation factors - Block dispatch	No	

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MOD-001R10.4	Firm and non-firm Network Integration Transmission Service details	Yes	Reservations will be on OASIS.
MOD-001R10.5	Confirmed firm and non-firm Transmission reservations	Yes	Reservations will be on OASIS.[1]
MOD-001R10.6	Grandfathered firm and non-firm contracts	TBD	To further be discussed by NAESB.
MOD-001R10.7	Firm roll-over rights	Yes	
MOD-001R10.8	Any firm and non-firm adjustments to reflect parallel path impacts	No	
MOD-001R10.9	Power flow models and underlying assumptions	TBD	NERC input needed
MOD-001R10.10	Contingencies, provided in one or more of the following formats: - A list of Elements - A list of Flowgates - A set of selection criteria that can be applied to the Transmission model used by the Transmission Operator and/or Transmission Service Provider	TBD	NERC input needed
MOD-001R10.11	Facility Ratings	TBD	NERC input needed
MOD-001R10.12	Counterflows	TBD	Need to review the ATC MODs for additional information.
MOD-001R10.13	Values of ATC, ETC, CBM, TRM, and TTC for all Posted Paths	Yes	
MOD-001R10.14	Values of TFC and AFC for any Flowgates considered by the Transmission Service Provider when selling Transmission service	TBD	AFC in the ATC (further discussion /NAESB discussion needed)
MOD-001R10.15	Source and sink identification and mapping to the model	TBD	NERC input needed

1 Does NERC mean this to be point to point only? If not what is the intent of 10.4?

DRAFT INTERPRETATION
PRESENTED TO THE WEQ EXECUTIVE COMMITTEE
BY THE WEQ INTEREPRETATIONS SUBCOMMITTEE – 10/05/07

C07001

Date: put date of ratification here

Requester Name:	Amy Klodowski, Senior Attorney
Company:	Allegheny Energy, Inc.
Phone, Fax, E-mail:	724-838-6765, 724-838-6464, aklodow@alleghenyenergy.com

Proposed Interpretation for NAESB Standard Number: WEQ Standard 011-1.2

Clarification or interpretation request:

On June 25, 2007, in the proceedings for Docket Nos. RM96-1-027 and RM05-5-001 and Order No. 698, FERC adopted NAESB WEQ Standard 011-1.2 (among other NAESB standards not relevant to my question). In its final rule, FERC included a requirement that pipelines and public utilities subject to the standards file a statement with FERC demonstrating compliance therewith on or before November 1, 2007. Allegheny Energy, Inc. questions whether the WEQ Standard 011-1.2 applies to a generation facility that uses natural gas only as a start-up fuel, but not otherwise for operation (i.e. the units are not "natural gas-fired electric generating facilities", at least as the term normally is used). The gas used for the start-up of the two affected generating units is minimal (between 150-750 Dth depending on whether the start-up is from a “cold”, “intermediate” or “hot” condition).

Proposed Interpretation:

The NAESB WEQ 011 standards (Gas/Electric Coordination) were not intended to be applicable to non-gas-fired generators. The NAESB WEQ definitions (WEQ-011-0.1 and WEQ-011-0.2)[i] are specific that:

1. Power Plant Operator is the term used to describe the entity(ies) that has responsibility for gas requirements for a natural gas-fired electric generating facility(ies) and is responsible for coordinating natural gas deliveries with the appropriate Transportation Service Provider(s) (TSP) to meet those requirements.
2. A Power Plant Operator’s Facility is the term used to describe the natural gas-fired electric generating unit(s) under the direct control of the Power Plant Operator.

Both of these definitions apply directly to the standard under consideration – WEQ-011-1.2.

Moreover, in FERC Order No. 698 (Docket Nos. RM96-1-027 and RM05-5-001), paragraphs 1, 12 and 13, as well as in several other locations, the Commission noted that the coordination and communication required by these standards are applied to gas-fired power plant operators and pipelines.[ii] In paragraph 1, it i s noted that the standards will help improve coordination between the gas and electric industries in order to improve communications about scheduling of gas-fired generators. In paragraph 12, it is noted that the standards will ensure that pipelines have relevant planning information that will assist in maintaining the operational integrity and reliability of pipeline service, as well as providing gas-fired power plant operators with information as to whether hourly flow deviations can be honored. Similarly, in paragraph 13, it is noted that the information provided through implementation of the standards should assist reliability coordinators in assessing the relative reliability of various gas-fired generators.

As such, with the NAESB definitions for WEQ-011-0.1 and WEQ-011-0.2, and the FERC cites noted, the intent of the standards to be applied to gas-fired generation facilities has been demonstrated. It is not demonstrated that these standards were to be applied to non-gas-fired generation facilities, (i.e., facilities that do not rely upon natural gas for daily operations – such as coal-fired power plants).

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End Notes for the proposed interpretation C07001:

[i] The NAESB WEQ definitions cited in the draft interpretation for C07001 are:

- WEQ-011-0.1: Power Plant Operator (PPO) is the term used to describe the entity(ies) that has responsibility for gas requirements for a natural gas-fired electric generating facility(ies) and is responsible for coordinating natural gas deliveries with the appropriate Transportation Service Provider(s) (TSP) to meet those requirements. The PPO performs a number of coordinated activities, including, but not limited to, power plant operations, unit dispatch, natural gas procurement and/or gas transportation arrangements. Because each PPO is structured differently, specific responsibilities within each PPO should be determined by the PPO and the point of contact for the PPO should be communicated to the TSP(s). This definition applies to NAESB WEQ Standard Nos. WEQ-011-0.2, WEQ-011-1.1, WEQ-011-1.2, WEQ-011-1.3, WEQ-011-1.4, WEQ-001-1.5, and WEQ-011-1.6 and NAESB WGQ Standard Nos. 0.2.2, 0.3.11, 0.3.12, 0.3.13, 0.3.14, and 0.3.15.
- WEQ-011-0.2: A Power Plant Operator's Facility is the term used to describe the natural gas-fired electric generating unit(s) under the direct control of the Power Plant Operator. This definition applies to NAESB WEQ Standard Nos. WEQ-011-1.2 and WEQ-011-1.3 and NAESB WGQ Standard Nos. 0.3.12 and 0.3.13.

[ii] For FERC Order No. 698, the cites in the draft interpretation for C07001 are:

1. The Federal Energy Regulatory Commission (Commission) is amending parts 38 and 284 of its open access regulations governing standards for business practices and electronic communications with interstate natural gas pipelines and public utilities. The Commission is incorporating by reference certain standards promulgated by the North American Energy Standards Board (NAESB). Incorporation by reference of these standards will establish communication protocols between interstate pipelines and power plant operators and transmission owners and operators. This will help improve coordination between the gas and electric industries in order to improve communications about scheduling of gas-fired generators. Improved communications should enhance reliability in both industries.

12. The coordination and communication required by these standards will help improve the reliability of both the gas and electric industries by ensuring that all parties have information necessary for the scheduling and dispatch of natural gas-fired generation, and for the scheduling of the natural gas transportation necessary to supply fuel to these generators. The standards, for example, would require gas-fired power plant operators and pipelines to establish procedures to communicate material changes in circumstances that may affect hourly flow rates. These standards ensure that pipelines have relevant planning information that will assist in maintaining the operational integrity and reliability of pipeline service, as well as providing gas-fired power plant operators with information as to whether hourly flow deviations can be honored.

13. The standards further improve communication by requiring electric transmission operators and power plant operators to sign up to receive from connecting pipelines operational flow orders and other critical notices. These standards ensure that operators of the electric grid can stay abreast of developments on gas pipelines that can affect the reliability of electric service. The standards require that, upon request, a gas-fired power plant operator must provide to the appropriate independent electric balancing authority or electric reliability coordinator pertinent information regarding its service levels for gas transportation (firm or interruptible) and for gas supply (firm, fixed or variable quantity, or interruptible). This information should assist reliability coordinators in assessing the relative reliability of various gas-fired generators.

RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: WEQ

Requesters: TransServe International
Request No.: R07010
Request Title: Modify the NAESB Coordinate Interchange Standard to require that Scheduling Entity be a required field in every submitted request for interchange.

1. RECOMMENDED ACTION:

___Accept as requested
___Accept as modified below
_X_Decline

EFFECT OF EC VOTE TO ACCEPT RECOMMENDED ACTION:

___Change to Existing Practice
___Status Quo

2. TYPE OF DEVELOPMENT/MAINTENANCE

Per Request:

___Initiation
_X_Modification
___Interpretation
___Withdrawal

___Principle
___Definition
___Business Practice Standard
___Document
___Data Element
___Code Value
___X12 Implementation Guide
___Business Process Documentation

Per Recommendation:

___Initiation
___Modification
___Interpretation
_X_Withdrawal

___Principle
___Definition
___Business Practice Standard
___Document
___Data Element
___Code Value
___X12 Implementation Guide
___Business Process Documentation

3. RECOMMENDATION

SUMMARY:

Per actions taken at the August 14, 2007 Executive Committee Meeting on Request R06025 and agreement from the submitter of the request at the meeting that no action would be required on this change request, the ESS/ITS is recommending Request R07010 be declined.

RECOMMENDED STANDARDS:

No changes are required to the existing standards as a result of the recommendation being declined.

RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: WEQ

Requesters: TransServe International
Request No.: R07010
Request Title: Modify the NAESB Coordinate Interchange Standard to require that Scheduling Entity be a required field in every submitted request for interchange.

4. SUPPORTING DOCUMENTATION

a. Description of Request:

Modify the NAESB Coordinate Interchange Standard (WEQ 004) to require that Scheduling Enitity be a required field in every submitted request for interchange.

b. Description of Recommendation:

Request R07010 is being declined as a result of changes agreed upon by the WEQ Executive Committee to Recommendation R06025 http://www.naesb.org/pdf2/weq_ec081407a1.doc and subsequently approved via notational ballot on August 31, 2007.

Rather than making the Scheduling Entity a required field in WEQ 004, the WEQ Executive Committee approved the following language:

> Scheduling Entities (Correctable) – entity that is physically scheduling interchange on behalf of the Transmission Service Provider in order to provide wheeling services. Typically this is the Balancing Authority for the Transmission Service Provider, but may be several Balancing Authorities supporting a regional transmission service. If the Scheduling Entity code for the physical segment is not identical to the Transmission Service Provider (TSP) code on that physical segment, the Scheduling Entity code must be explicitly specified or required. This field is required for the Western Interconnect.

c. Business Purpose:

N/A – No changes are being recommended by the ESS/ITS.

d. Commentary/Rationale of Subcommittee(s)/Task Force(s):

The August 14, 2007, Executive Committee Draft Meeting Minutes http://www.naesb.org/pdf3/weq_ec081407rdm.doc indicate that the Executive Committee moved forward with triaging Request R07010 with the understanding that the ESS/ITS, once assigned the request, would submit a recommendation that no action be taken. Request R07010 was triaged as of August 21, 2007 http://www.naesb.org/pdf2/tr081007results.doc.

RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE

For Quadrant: **WEQ**

Requesters: **ESS/ITS**
Request No.: **WEQ Annual Plan item 2(ii)**
Request Title: **Group 1: Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority**

1. RECOMMENDED ACTION:

__x__Accept as requested
___Accept as modified below
___Decline

EFFECT OF EC VOTE TO ACCEPT RECOMMENDED ACTION:

__x__Change to Existing Practice
___Status Quo

2. TYPE OF DEVELOPMENT/MAINTENANCE

Per Request:

___Initiation
__x__Modification
___Interpretation
___Withdrawal

___Principle
___Definition
___Business Practice Standard
___Document
___Data Element
___Code Value
___X12 Implementation Guide
__x__Business Process Documentation

Per Recommendation:

___Initiation
__x__Modification
___Interpretation
___Withdrawal

___Principle
___Definition
___Business Practice Standard
___Document
___Data Element
___Code Value
___X12 Implementation Guide
__x__Business Process Documentation

3. RECOMMENDATION

SUMMARY: This recommends that the S&CP, Data Dictionary and Implementation Guide (WEQ-002, WEQ-003, WEQ-013) include modifications that are required by FERC Order 890. These inclusions will include but not limited to**:** ANNOTATIONS FOR ATC; LOAD FORECAST AND ACTUAL LOAD; RE-BID OF PARTIAL SERVICE; PRECONFIRMATION PRIORITY; CONDITIONAL FIRM; AND RESALES.

RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE

For Quadrant: **WEQ**

Requesters: **ESS/ITS**
Request No.: **WEQ Annual Plan item 2(ii)**
Request Title: **Group 1: Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority**

RECOMMENDED STANDARDS:

Three documents are attached to this recommendation: 1) a revised Standard WEQ 002 OASIS Standards and Communications Protocol, 2) a revised Standard WEQ 003 OASIS Data Dictionary 3) a revised Standard WEQ 013 OASIS Implementation Guide.

The ESS/ITS recommends adoption of these three documents as updated WEQ Standards WEQ 002, WEQ 003, and WEQ 013 such that the changes including Order 890 may be implemented. These standards will allow for the technical implementation of the Order 890 requirements as referenced in WEQ 2007 Annual Plan Item 2(ii). While corresponding revisions to the WEQ-001 OASIS Business Practices to address Order 890 requirements will be forthcoming, these proposed changes are provided to the industry prior to the revisions to the WEQ-001 OASIS Business Practices in order to provide timely Order 890 implementation guidance to the industry.

The proposed revisions are provided to the EC for review and approval. However, the ESS/ITS does not recommend these revisions be included in a NAESB FERC filing until the corresponding WEQ-001 OASIS Business Practices are also ratified.

The Attachments to the Recommendation that include the proposed standards and proposed revisions to existing standards are posted at the following links:

Proposed Revisions to the OASIS S&CPs (WEQ002):
http://www.naesb.org/pdf3/2007_weq_ap_2ii_rec_attch_1.doc

Proposed Revisions to the WEQ OASIS Data Dictionary (WEQ003):
http://www.naesb.org/pdf3/2007_weq_ap_2ii_rec_attch_2.doc

Implementation Guide (WEQ013): http://www.naesb.org/pdf3/2007_weq_ap_2ii_rec_attch_3.doc

4. SUPPORTING DOCUMENTATION

a. Description of Request:

These changes to the three WEQ standards (002, 003, and 013) include certain modifications as required by FERC Order 890 to address WEQ 2007 Annual Plan Item 2(ii): Group 1: Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority.

b. Description of Recommendation:

(i) This recommendation includes work done by the ESS/ITS to include modifications required by FERC Order 890. These changes were implemented in the following Standards:

1) WEQ-002 OASIS Standards and Communication Protocols (S&CP)

2) WEQ-003 OASIS Data Dictionary

RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE
For Quadrant: WEQ

Requesters: ESS/ITS
Request No.: WEQ Annual Plan item 2(ii)
Request Title: Group 1: Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority

3) WEQ-013 OASIS Implementation Guide

(ii) Modifications to these Standards are required by FERC Order 890 according to the following order cites:

1) Paragraph 369 Annotations for ATC: The Commission adopts the NOPR proposal, with the modifications discussed below, to require that the transmission provider post a brief, but specific, narrative explanation of the reason for a change in monthly and yearly ATC values on a constrained path. Rather than requiring a narrative when a monthly or yearly ATC value changes as a result of transactions being reserved, service ending, or the TTC estimate for the path changing by more than 10 percent, we will require a narrative when a monthly or yearly ATC value changes only as a result of a 10 percent change in TTC. This will reduce the number of ATC changes for which a narrative will be required and address concerns that the new requirement unduly burdens transmission providers. Any remaining burden is justified by the benefit to transmission customers of receiving timely information regarding changes in TTC that result in changes to ATC. In addition, we adopt NAESB's suggestion that posted information include the (1) specific events which gave rise to the change and (2) new values for ATC on that path (as opposed to all points on the network).

2) Paragraph 416 Load Forecast and Actual Load: With regard to posting of load forecasts and actual daily peak load, we conclude that such postings are necessary to provide transparency for transmission customers. We agree with E.ON that RTO and ISO load data needs to be posted at a sufficient granularity to allow for meaningful comparison of control area and LSE load levels. Most RTOs and ISOs post load data for the entire footprint, but few post it on an LSE or control area basis. We therefore direct ISOs and RTOs to post load data for the entire ISO/RTO footprint and for each LSE or control area footprint within the ISO/RTO. This will not create an undue burden on ISOs and RTOs, since the load data for the entire footprint is an aggregation of load data across the LSEs or control areas in the footprint. We also agree with EEI that the peak load applies to system-wide load, including native load. We direct transmission providers to post load forecasts and actual daily peak load for both system-wide load (including native load) and native load, as this data will be useful to customers and regulators. We deny EEI's request for a guarantee that transmission providers will not be held accountable for producing a reasonable load forecast. While we do not intend to penalize transmission providers for failing to account for unforeseen circumstances, we retain our ability to investigate any allegations of manipulation of load forecasts, as this could be used as a means of inappropriately denying requested transmission service.

3) Paragraph 1378 Re-bid of Partial Service: We interpret Exelon's request that we require all transmission providers to allow transmission customers to link consecutive requests for firm point-to-point transmission service and to evaluate such requests as a single request as asking us to (1) allow transmission customers to require the transmission provider to either grant service for the entire period, deny service for the entire period, or offer the same partial quantity for the entire period and (2) require the transmission provider to consider the full duration of the linked requests when determining reservation priority pursuant to sections 13.2 of the pro forma OATT (short-term firm point-to-point transmission service). We require transmission providers working through NAESB to develop business practice standards to allow a transmission customer to rebid a counteroffer of partial service so the transmission customer is allowed to take the same quantity of service across all linked transmission service requests. Transmission providers need not implement these business practice standards until NAESB develops appropriate standards. We note that the transmission customer should not be required to take the same quantity of service across consecutive transmission service requests, it should simply have the option to do so. On the second issue, we reiterate that, according to existing NAESB business practice standard 001-4.16, the transmission provider is required to consider the full duration of the linked requests when determining reservation priority pursuant to section 13.2 of the pro forma OATT.

RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE

For Quadrant: **WEQ**

Requesters: **ESS/ITS**
Request No.: **WEQ Annual Plan item 2(ii)**
Request Title: **Group 1: Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority**

4) Paragraph 1392, 1401 Pre-confirmation Priority:

1392) Commenters also suggest changes to the OASIS protocols, including prohibiting transmission customers from changing a request into a pre-confirmed request and requiring OASIS platforms to be accessible on non-Windows/Explorer computers. We believe these issues are best addressed by NAESB.

1401) The Commission generally agrees with those commenters that argue that giving a priority to pre-confirmed requests can increase the efficient utilization of the system by giving priority to customers who are committed to purchase service over those who have not so committed, including customers that submit multiple requests without any intent to take service if each request is granted. However, we are mindful of concerns that doing so could undermine the Commission's desire to promote longer-term uses of the transmission system, disrupt the study process, or disadvantage transmission customers that are not in the position to pre-confirm their requests. As a result, we will modify the NOPR proposal and give priority only to pre-confirmed non-firm point-to-point transmission service requests and short-term firm point-to-point transmission service requests. In addition, longer duration requests for transmission service will continue to have priority over shorter duration requests for transmission service, with preconfirmation serving as a tie-breaker for requests of equal duration. This policy will still give an advantage to pre-confirmed requests without imposing substantial implementation difficulties or undermining the Commission's goals to encourage longer term uses of the transmission system. Our revised policy on priority for pre-confirmed requests thus addresses the comments that we should preserve the priority of longer duration requests for transmission service over shorter duration requests for transmission service. For instance, a pre-confirmed daily or hourly request will not preempt a weekly request that has not been pre-confirmed. Pre-confirmed short-term service requests therefore will not have a priority superior to that of long-term service requests that have not been pre-confirmed.

5) Paragraph 1078 Conditional Firm:

Finally, we address requests to allow for automatic assignment of short-term firm point-to-point service to conditional firm customers. We agree that transmission providers must take into account the conditional firm service in evaluating the availability of short-term firm service. Because conditional firm is a long-term firm use of the system, it should not be interrupted prior to short-term firm service. However, short-term firm service reserved prior to the reservation of conditional firm service should maintain priority over conditional firm service in the periods when conditional firm service is conditional, i.e., when specified system conditions exist or conditional curtailment hours apply. Because the assignment proposal meets both of these objectives, we direct transmission providers to assign short-term firm service to conditional firm customers as the service becomes available. Accordingly, we direct transmission providers to work with NAESB to develop the appropriate communications protocols to implement this attribute of conditional firm service. Transmission providers need not implement this requirement until NAESB develops appropriate communications protocols.

6) Paragraph 815, FootNote 496 Resales:

815) As with any innovative rate program, however, the Commission will monitor the secondary capacity market to ensure that participants are not exercising market power. To enhance oversight and monitoring by the Commission, we adopt reforms to the underlying rules governing capacity reassignments. First, we require that all sales or assignments of capacity be conducted through or otherwise posted on the transmission provider's OASIS on or before the date the reassigned service commences. The Commission thus eliminates the current ability of transmission customers to assign the transmission rights to another party with subsequent notification to the transmission provider. **493** The mechanisms for negotiating a reassignment remain the same. The transmission customer may either request that the transmission provider make the capacity available on its OASIS or the transmission customer may negotiate the terms of an assignment bilaterally. In either instance, however, the resulting sale or assignment must be posted by the transmission provider on its OASIS prior to the date the reassigned

service commences. We require transmission providers working through NAESB to develop appropriate OASIS functionality to allow such postings. Transmission providers need not implement this new OASIS functionality and any related business practices until NAESB develops appropriate standards.
493 See Order No. 888 at 31,697.
FootNote 496) As reformed in this Final Rule, the structural mechanism for reassigning transmission capacity will be similar to the mechanism for releasing pipeline capacity. While parties may be able to negotiate the prices applicable to assigned capacity, the assignee will execute a service agreement directly with the transmission provider and, thus, there will no longer be a need for the assigning party to have on file with the Commission a rate schedule governing reassigned capacity. See Order No. 888 at 31,697 n. 324. The transmission provider's OATT will govern the reassigned service. The assignee will pay the transmission provider for service at the negotiated rate and the transmission provider will bill or credit the assignor with any the difference between the negotiated rate and the assignor's original rate. As noted above, however, there will be no requirement for the transmission provider to create an auction for reassigned transmission capacity similar to the pipeline capacity reassignment program, since the underlying price caps are being removed for electric transmission capacity.

(iii) The following is a brief summary of the OASIS S&CP template data structure that have been modified along with the rationale for including the modification:

- ***transoffering*** – modified based on ratified Resale standards where service resold must match attributes of the original purchase of capacity but may be resold in different "offer increments".
- ***scheduledetail*** – added an "annotation" field to mirror similar field added to the ***security*** template.
- ***security*** – added an "annotation" field to allow providers to post additional free form comments or other information that may be associated with a transmission outage or other posting that may also relate to a reduction in TTC or change in ATC that is required to have an annotation posted by the provider. Annotation may be null.
- ***reduction*** – extended the query parameters to expand options for customers to view impacts on reservations, particularly as it may relate to assessing comparable treatment under the service agreement for "conditional firm" service. Extended the data and requirements for records to document reduction in reserved service curtailment priority to support management of "conditional firm" service.
- ***systemdata*** – made the template more generic for posting of different types of time series data. Template will be used for posting of load forecast and actual load data in addition to its use for posting ATC components (TTC, CBM, TRM, ATC, etc.). Also, added "annotation" data element to support the provider's narratives for TTC changes and ATCs posted at 0 MW.
- ***transrequest*** – data element names changed to support the re-bid of partial service.
- ***transstatus*** – data elements changed to support the re-bid of partial service. Also data elements added to document when reservation may be reassessed for "conditional firm" service, when the next renewal deadline is (there will be a mix of 60 day and 1 year notice rquirements during transition), and documenting of any limits to rollover rights granted by the TP. Also added data elements for Provider Approval required by the

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Transfer standards, and hyperlink to document with terms and conditions for "conditional firm" service.

- ***transsell*** – see ***transstatus***
- ***transcust*** – see ***transstatus***
- ***transassign*** – updated to mirror new data requirements in ***transrequest/transstatus.*** Also, added support for an optional Provider request type of RECALL to be implemented in a standard fashion across all OASIS nodes if used by the provider.
- ***transpost/transupdate*** – updated to reflect Resale standards that service being resold must match the service purchased by the reseller, but may be offered on service increments (offer increment) that are different than the service purchased.

The OASIS Implementation Guide has been updated to describe many of the above template changes in greater detail.

c. Business Purpose:

FERC Order 890 requirements related to WEQ 2007 Annual Plan Item 2(ii) are supported in the proposed modifications and requested by the industry in order to standardize the required postings.

d. Commentary/Rationale of Subcommittee(s)/Task Force(s):

The ESS/ITS developed and reviewed the revisions to the three Standards S&CP (WEQ-002), OASIS Data Dictionary (WEQ-003), and OASIS Implemention Guide (WEQ-013) at the following meetings and conference calls:

- **September 25, 2007: (conference call)[1]**
- **September 10-11, 2007:** Draft Minutes **(meeting)**
- **August 27, 2007:** Final Minutes **(conference call)**
- **August 15, 2007:** Final Minutes **(meeting)**
- **August 7, 2007:** Final Minutes **(conference call)**
- **July 24-25, 2007:** Final Minutes **(meeting)**
- **July 13, 2007:** Final Minutes **(conference call)**
- **June 26-27, 2007:** Final Minutes **(meeting)**
- **June 15, 2007:** Final Minutes **(conference call)**
- **May 30-31, 2007:** Final Minutes **(meeting)**
- **May 18, 2007:** Final Minutes **(conference call)**
- **May 9, 2007:** Final Minutes **(Meeting)**

[1] The minutes for this conference call should be posted by the time the request for comment is distributed. The minutes are posted on the NAESB WEQ ESS page: http://www.naesb.org/weq/weq_electronic_scheduling.asp and the NAESB WEQ ITS page: http://www.naesb.org/weq/weq_info_technology.asp

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- **May 3, 2007:** Final Minutes **(Conference Call)**

Business Practices for Open Access Same-Time Information Systems (OASIS) Standards & Communication Protocols

Version 1.5

Document Change Log:

Date	Section	Description of Change
06/06/2007	002-1.1	Added annotations to definitions as they relate to definitions contained in other WEQ Standards.
06/06/2007	002-2.1 (d)	Revised language related to Standards of Conduct – Final Action WEQ 2007 Annual Plan Item 3(a)(2).
06/06/2007	002-3.3 (a)-(c)	Changed document section references to use the correct NAESB Standard enumeration.
06/06/2007	002-3.4 (b)	Divided section for informational postings into requirements for INFO.HTM and new section for Standards of Conduct posting requirements. Per Final Action WEQ 2007 Annual Plan Item 3(a)(2)
06/06/2007	002-3.4 (b)(i)	Revised reference to WEQ 002-4.5 instead of section 4.5 – even though Final Action reflected "section"
06/06/2007	002-3.4(b)(ii)(k)	Subsection k deleted per Final Action WEQ 2007 Annual Plan Item 3(a)(2)
06/06/2007	002-3.6	Revised references to NAESB standards
06/06/2007	002-3.6 (b)	Typographical error.
06/06/2007	002-4.2.3.1	Changed document section references to use the correct NAESB Standard enumeration.
06/06/2007	002-4.2.7.5	Changed document section references to use the correct NAESB Standard enumeration.
06/06/2007	002-4.2.7.6	Changed document section references to use the correct NAESB Standard enumeration.
06/06/2007	002-4.2.10	The introduction to the OASIS transaction process refers the reader to the Implementation Guide for specific detailed information on this process.
06/06/2007	002-4.2.10.1	The detailed description of the general OASIS transaction process has been moved to the OASIS Implementation Guide WEQ 013~~WEQ011~~-2. This section introduces use of REQUEST_TYPE data element and refers to the Implementation Guide for specific information related to REQUEST_TYPE.
06/06/2007	002-4.2.10.2	The detailed definitions for the STATUS data element and the STATUS transition state diagram have been moved to the OASIS Implementation Guide WEQ 013-2.2. This section introduces use of STATUS data element and refers to the Implementation Guide for specific information related to

		STATUS.
06/06/2007	002-4.2.12	Moved examples to the OASIS Implementation Guide WEQ 013-4.2.
06/06/2007	002-4.2.13	The information in this section and all subsections has been moved to the OASIS Implementation Guide WEQ 013-2.3 through 2.6 and expanded for clarity.
06/06/2007	002-4.3.6.1	Add RELINQUISH to recognized REQUEST_TYPES (Final Action R04006C1)
06/06/2007	002-4.3.6.2	Reference to specific enumerated values for REQUEST_TYPE and STATUS has been removed.
06/06/2007	002-4.3.6.3	Reference to specific enumerated values for STATUS has been removed.
06/06/2007	002-4.3.6.4	Reference to specific enumerated values for STATUS has been removed.
06/06/2007	002-4.3.8.2	Reference to specific enumerated values for STATUS has been removed.
06/06/2007	002-4.3.8.3	Reference to specific enumerated values for STATUS has been removed.
06/06/2007	002-4.3.8.4	Reference to specific enumerated values for STATUS has been removed.
06/06/2007	002-4.3.10.4	Changed specific reference to FERC Statutes with reference to WEQ 009 Standards of Conduct Standards.
06/06/2007	002-4.3.10.5	Changed specific reference to FERC Statutes with reference to WEQ 009 Standards of Conduct Standards.
06/06/2007	002-4.3.10.6	Changed specific reference to FERC Statutes with reference to WEQ 009 Standards of Conduct Standards.
06/06/2007	002-4.4	The contents of this section and all subsections have been moved to the OASIS Implementation Guide WEQ 013-4.1.
06/06/2007	002-4.5	This section was subdivided into two subsections to describe the requirements for information posted on INFO.HTM and new posting requirements for specific Standards of Conduct related information, under WEQ009.
07/9/25/2007	002-2.4 (a)	Updated Browser Requirements and added timeline for supporting Generally Available Browsers
07/9/25/2007	002-4.2.10.3.1	Changed formatting to improve readability.
07/9/25/2007	002-4.3.2.1	Transmission Capacity Offerings Available for Purchase. Modified to include ability to query on OFFER INCREMENT using SERVICE INCREMENT and add OFFER INCREMENT data element to template transoffering
07/9/25/2007	002-4.3.4.1	Added ANNOTATION Data Element to Transaction Schedule Response (scheduledetail).
09/7/25/2007	002-4.3.4.2	Added security template data elements to support posting of Annotations to data related to outages or curtailments.
07/9/25/2007	002-4.3.4.3	Add Conditional Curtailment Option

		(Conditional Long-term Firm) support to REDUCTION template.
079/25/2007	002-4.3.4.4	Changed systemdata template data elements to support posting of forecasted and actual daily peak load data (Order 890 pp 413 and 416). Added data elements to support posting of Annotations (Order 890 pp 369).
07/25/2007	002-4.3.6.1	Changed transrequest data elements to support the re-bid of partial service (Order 890 pp 1378).[P1]
079/25/2007	002-4.3.6.2	Changed transstatus data elements to support the re-bid of partial service and documentation ofdocument Provider approval of transfers, tracking of on-going rollover rights and conditional firm reassessment periods (Order 890 pp 244 and 1267).
079/25/2007	002-4.3.6.3	Changed transsell data elements to support the re-bid of partial service and documentation of Provider approval of transfers, tracking of on-going rollover rights and conditional firm reassessment periods (Order 890 pp 1378).
079/25/2007	002-4.3.6.4	Changed transcust data elements to support the re-bid of partial service capacity and removed ability of Customer to set PRECONFIRMED after initial submission (Order 890 pp 1378 and 1401).
079/25/2007	002-4.3.6.5	Template description and data elements have been extended to support RECALL and TRANSFER requesttransaction types.
079/25/2007	002-4.3.7.1	Added data element OFFER INCREMENT to template transpost (Order 890 pp 815).
079/25/2007	002-4.3.7.2	Added data element OFFER INCREMENT to template transupdate (Order 890 pp 815).
079/25/2007	002-4.3.8.4	Removed capability to change pre-confirmed status in the ***anccust*** template to be consistent with WEQ 002-4.3.6.4
079/25/2007	002-5.10	Section changed from Migration Requirements to Implementation Plan with requirements for migration to Version 1.5 template constructs.
079/25/2007	002-5.10.1	New section to document Data Element mapping from Version 1.4 to 1.5.
079/25/2007	002-5.10.2	New section to document Restricted Value mapping from Version 1.4 to 1.5.

Business Practices Requirements:

002-1 INTRODUCTION

002-1.1 DEFINITION OF TERMS

The following definitions are offered to clarify discussions of the OASIS in this document.

a. **Transmission Services Information (TS Information)** is transmission and ancillary services information that must be made available by public utilities on a non-discriminatory basis to meet the regulatory requirements of transmission open access.
b. **Open Access Same-Time Information System (OASIS)** comprises the computer systems and associated communications facilities that public utilities are required to provide for the purpose of making available to all transmission users comparable interactions with TS Information.
c. **Open Access Same-Time Information System Node (OASIS Node)** is a subsystem of the OASIS. It is one computer system in the (OASIS) that provides access to TS Information to a Transmission Customer.
d. **Transmission Provider (TP or Primary Provider)** is the public utility (or its designated agent)
that owns, operates or controls facilities used for the transmission of electric energy in interstate commerce. (Consistent with the definition in WEQ 001-0.11).
e. **Transmission Customer (TC or Customer)** is any eligible Customer (or its designated agent) that can or does execute a transmission service agreement or can or does receive transmission service. (Consistent with the definition in WEQ 001-0.12).
f. **Secondary Transmission Provider (ST, Reseller, or Secondary Provider)** is any Customer who offers to sell transmission capacity it has purchased. (12 Consistent with the definition of WEQ 001-0.10).
g. **Transmission Services Information Provider (TSIP)** is a Transmission Provider or an agent to whom the Transmission Provider has delegated the responsibility of meeting any of the requirements associated with OASIS. (Consistent with the definition of Responsible Party in WEQ 001-0.9).
h. **Value-Added Transmission Services Information Provider (VTSIP)** is an entity who uses TS Information in the same manner as a Customer and provides value-added information services to its Customers.

002-2 NETWORK ARCHITECTURE REQUIREMENTS

002-2.1 ARCHITECTURE OF OASIS NODES

a. **Permit Use of Any OASIS Node Computers:** TSIPs shall be permitted to use any computer systems as an OASIS Node, so long as they meet the OASIS requirements.

b. **Permit Use of Any Customer Computers:** OASIS Nodes shall permit the use by Customers of any commonly available computer systems, as long as they support the required communication links to the Internet.

c. **Permit the Offering of Value-Added Services:** TSIPs are required, upon request, to provide their Customers the use of private network connections on a cost recovery basis. Additional services that are beyond the scope of the minimum OASIS requirements are also permitted. When provided, these private connections and additional services shall be offered on a fair and non-discriminatory basis to all Customers who might choose to use these services.

d. **Permit Use of Existing Communications Facilities:** In implementing the OASIS, the use of existing communications facilities shall be permitted. The use of OASIS communication facilities for the exchange of information beyond that required for open transmission access (e.g., transfer of system security or operations data between regional control centers) shall also be permitted, provided that such use does not negatively impact the exchange of open transmission access data and is consistent with the applicable Standards of Conduct regulations.

e. **Single or Multiple Providers per Node:** An OASIS Node may support a single individual Primary Provider (plus any Secondary Providers) or may support many Primary Providers.

002-2.2 INTERNET-BASED OASIS NETWORK

a. **Internet Compatibility:** All OASIS Nodes shall support the use of internet tools, internet directory services, and internet communication protocols necessary to support the Information Access requirements stated in Section 4.

b. **Connection through the Public Internet:** Connection of OASIS Nodes to the public Internet is required so that Users may access them through Internet links. This connection shall be made through a firewall to improve security.

c. **Connection to a Private Internet Network:** OASIS Nodes shall support private connections to any OASIS User (User) who requests such a connection. The TSIP is permitted to charge the User, based on cost, for these connections. The same internet tools shall be required for these private networks as are required for the public Internet. Private connections must be provided to all users on a fair and nondiscriminatory basis.

d. **Internet Communications Channel:** The OASIS Nodes shall utilize a communication channel to the Internet which is adequate to support the performance requirements given the number of Users subscribed to the Providers on the Node (see Section 5.3).

002-2.3 COMMUNICATION STANDARDS REQUIRED

a. **Point-to-Point Protocol (PPP) and Internet Protocol Control Protocol (IPCP)** (reference RFCs 1331 and 1332) shall be supported for private internet network dial-up connections.

b. **Serial Line Internet Protocol (SLIP)** (reference RFC 1055) shall be supported for private internet network dial-up connections.

c. **Transport Control Protocol and Internet Protocol (TCP/IP)** shall be the only protocol set used between OASIS Nodes whenever they are directly interconnected, or between OASIS Nodes and Users using private leased line internet network connections.

d. **Hyper Text Transport Protocol (HTTP)**, Version 1.1 (RFC 2616)~~Version 1.0 (RFC 1945)~~, shall be supported by TSIPs so that Users= web browsers can

use it to select information for viewing displays and for downloading and uploading files electronically.

e. **Internet Protocol Address:** All OASIS Nodes are required to use an IP address registered with the Internet Network Information Center (InterNIC), even if private connections are used.

002-2.4 INTERNET TOOL REQUIREMENTS

Support for the following specific internet tools is required, both for use over the public Internet as well as for any private connections between Users and OASIS Nodes:

a. **Browser Support:** OASIS Nodes shall insure that Users running ~~minimally either Netscape's Navigator version 4.0.x or Microsoft's Internet Explorer version 4.0.x~~ browsers ~~(or any other~~ commercially ~~or privately~~ available ~~browser supporting that set of capabilities~~ and in common ~~to both of these industry standard browsers)~~use shall have a fully functional user interface based on the Interface Requirements defined in ~~Section~~ Standards WEQ 001-4.

Browser Characteristics (includes defined NAESB WEQ current versions):
Features as supported by the latest Generally Available (GA) versions of both Netscape® and Internet Explorer® within 9 months of such GA version becoming commercially available.~~, including -~~
~~Frames & Nested Frames~~
~~Tables & Nested Tables~~
~~HTML~~
~~Cookies~~
~~JavaScript~~
~~SSL 128-bit RSA Encryption~~
~~Style Sheets~~

b. **HTML Forms** shall be provided by the TSIPs to allow Customers to enter information to the OASIS Node.

c. **Domain Name Service (DNS)** (ref. RFC 1034, 1035) shall be provided as a minimum by the TSIPs (or their Internet Service Provider) for the resolution of IP addresses to allow Users to navigate easily between OASIS Nodes.

d. **Simple Network Management Protocol (SNMP)** is recommended but not required to provide tools for operating and managing the network, if private interconnections between OASIS Nodes are established.

e. **The Primary Provider shall support E-mail** for exchanges with Customers, including the sending of attachments. The protocols supported shall include, as a minimum, the Simple Messaging Transfer Protocol (SMTP), Post Office Protocol (POP), and Multipurpose Internet Mail Extensions (MIME).

002-2.5 NAVIGATION AND INTERCONNECTIVITY BETWEEN OASIS NODES

a. **World Wide Web Browsers:** TSIPs shall permit Users to navigate using WWW browsers for accessing different sets of TS Information from one

Provider, or for getting to TS Information from different Providers on the same OASIS Node. These navigation methods shall not favor User access to any Provider over another Provider, including Secondary Providers.

b. **Internet Interconnection across OASIS Nodes:** Navigation tools shall not only support navigation within the TSIP's Node, but also across interconnected OASIS Nodes. This navigation capability across interconnected Nodes shall, as a minimum, be possible through the public Internet.

002-3 INFORMATION ACCESS REQUIREMENTS

002-3.1 REGISTRATION AND LOGIN REQUIREMENTS

a. **Location of Providers:** To provide Users with the information necessary to access the desired Provider, all Primary Providers shall register their OASIS Node URL address with www.tsin.com. This URL address should include the unique four letter acronym the Primary Provider will use as the PRIMARY_PROVIDER_CODE.

b. **Initial User Registration:** TSIPs shall require Users to register with a Primary Provider before they are permitted to access the Provider's TS Information. There must be a reference pointing to registration procedures on each Primary Provider's home page. Registration procedures may vary with the administrative requirements of each Primary Provider.

c. **Initial Access Privileges:** Initial registration shall permit a User only the minimum Access Privileges. A User and a Primary Provider shall mutually determine what access privilege the User is permitted. The TSIP shall set a User's Access Privilege as authorized by the Primary Provider.

d. **User Login:** After registration, Users shall be required to login every time they establish a dial-up connection. If a direct, permanent connection has been established, Users shall be required to login initially or any time the connection is lost. Use of alternative forms of login and authentication using certificates and public key standards is acceptable.

e. **User Logout:** Users shall be automatically logged out any time they are disconnected. Users may logout voluntarily.

002-3.2 SERVICE LEVEL AGREEMENTS

Service Level Agreements: It is recognized that Users will have different requirements for frequency of access, performance, etc., based on their unique business needs. To accommodate these differing requirements, TSIPs shall be required to establish a "Service Level Agreement" with each User, which specifies the terms and conditions for access to the information posted by the Providers. The default Service Level Agreement shall be Internet access with the OASIS Node meeting all minimum performance requirements.

002-3.3 ACCESS TO INFORMATION

a. **Display:** TSIPs shall format all TS Information in HTML format such that it may be viewed and read directly by Users without requiring them to download it. This information shall be in clear English as much as possible, with the definitions of any mnemonics or abbreviations available on-line. The minimum information that is to be displayed is provided in the Templates in Standards WEQ 002-4.3.

b. **Read-Only Access to TS Information:** For security reasons, Users shall have read-only access to the TS Information. They shall not be permitted to enter any information except where explicitly allowed, such as HTML transaction request forms or by the Templates in Standards WEQ 002-4.3.

c. **Downloading Capability:** Users shall be able to download from an OASIS Node the TS Information in electronic format as a file. The rules for formatting of this data are described in Standards WEQ 002-4.2.

d. **On-Line Data Entry on Forms:** Customers shall be permitted to fill out on-line the HTML forms supplied by the TSIPs, for requesting the purchase of services and for posting of products for sale (by Customers who are Resellers). Customers shall also be permitted to fill-out and post Want- Ads.

e. **Uploading Capability:** Customers shall be able to upload to OASIS Nodes the filled-out forms. TSIPs shall ensure that these uploaded forms are handled identically to forms filled out on-line. TSIPs shall provide forms that support the HTTP input of Comma Separated Variable (CSV) records. This capability shall permit a Customer to upload CSV records using standard Web browsers or additional client software ~~(such as fetch_http)~~ to specify the location of the CSV records stored on the Customer's hard disk.

f. **Selection of TS Information:** Users shall be able to dynamically select the TS Information they want to view and/or download. This selection shall be, as a minimum, through navigation to text displays, the use of pull-down menus to select information for display, data entry into forms for initiating queries, and the selection of files to download via menus.

002-3.4 PROVIDER UPDATING REQUIREMENTS

The following are the Provider update requirements:

a. **Provider Posting of TS Information**: Each Provider (including Secondary Providers and Value-Added Providers) shall be responsible for writing (posting) and updating TS Information on their OASIS Node. No User shall be permitted to modify a Provider's Information.

b. **General Postings**

(i) **INFO.HTM:** Each Provider shall provide general information on how to use their node and describe all special aspects, such as line losses, congestion charges and assistance. The address for the directory of this information shall be INFO.HTM (case sensitive), an HTML web page, linked to the Provider's registered URL address. See WEQ 002-4.5 for information required to be on the web page INFO.HTM.

(ii) **Standards of Conduct:** The Transmission Provider shall establish a link entitled "Standards of Conduct," located on the OASIS home page at the Transmission Provider's registered URL address.

c. **OASIS Node Space for Secondary Provider**: To permit Users to readily find TS Information for the transmission systems that they are interested in, TSIPs shall provide database space on their OASIS Node for all Secondary Providers who have purchased, and who request to resell, transmission access rights for the power systems of the Primary Providers supported by that Node.

d. **Secondary Provider Posting to Primary Provider Node**: The Secondary Providers shall post the relevant TS Information on the OASIS Node associated with each Primary Provider from whom the transmission access rights were originally purchased.

e. **Secondary Provider Posting Capabilities**: The TSIPs shall ensure that the Secondary Providers shall be able to post their TS Information to the appropriate OASIS Nodes using the same tools and capabilities as the Customers, meet the same performance criteria as the Primary Providers, and allow users to view these postings on the same display page, using the same tables, as similar capacity being sold by the Primary Providers.

f. **Free-Form Posting of non-TS Information**: The TSIP shall ensure that Providers and Customers may post non-TS Information, such as Want-Ads and that this information is easily accessible by all Users. The TSIP shall be allowed to limit the volume and/or to charge for the posting of non-TS Information.

g. **Time Stamps**: All TS Information shall be associated with a time stamp to show when it was posted to the OASIS Node.

h. **Transaction Tracking by an Assignment Reference Number**: All requests for purchase of transmission or ancillary services will be marked by a unique accounting number, called an assignment reference.

i. **Time-Stamped OASIS Audit Log**: All posting of TS Information, all updating of TS Information, all User logins and disconnects, all User download requests, all Service Requests, and all other transactions shall be time stamped and stored in an OASIS Audit Log. This OASIS Audit Log shall be the official record of interactions, and shall be maintained on-line for download for at least 90 days. Changes in the values of posted Capacity (Available Transfer Capability) must be stored in the on-line Audit Log for 20 days. Audit records must be maintained for ~~3~~ 5 years off-line and available in electronic form within seven days of a Customer request.

j. **Studies:** A summary description with dates, and programs used of all transmission studies used to prepare data for the Primary Provider's ATC and TTC calculation will be provided along with information as to how to obtain the study data and results.

002-3.5 ACCESS TO CHANGED INFORMATION

a. **General Message & Log:** TSIPs shall post a general message and log that may be read by Users. The message shall state that the Provider has updated some information, and shall contain (or point to) a reverse chronological log of those changes. This log may be the same as the Audit Log. The User may use the manual capability to see the message.

b. **TSIP Notification Design Responsibilities:** The TSIP shall avoid a design that could cause serious performance problems by necessitating frequent requests for information from many Users.

002-3.6 USER INTERACTION WITH AN OASIS NODE

There are three basic types of User interactions which must be supported by the OASIS Node. These interactions are defined in WEQ 002-4.3.

a. **Query/Response:** The simplest level of interactions is the query of posted information and the corresponding response. The User may determine the scope of the information queried by specifying values, through an HTML form, a URL string, or an uploaded file, using Query Variables and their associated input values as defined with each Template in WEQ 002-4.3. The response will be either an HTML display or a record oriented file, depending on the output format that the User requests. The TSIP may establish procedures to restrict the size of the response, if an overly broad query could result in a response that degrades the overall performance of the OASIS Node for their Users.

b. **Purchase Request:** The second type of Customer interaction is the submittal of a request to purchase a service. The Customer completes an input form, a URL string or uploads a file and submits it to the OASIS Node. The uploaded file can either be a series of Query Variables or a record oriented file. The Seller of the service, possibly off-line from the OASIS Node, processes the request and the status is updated accordingly. If the Seller approves the purchase request, then the Customer must again confirm~~ed~~ it. Once the Customer confirms an approved purchase, a reservation for those services is considered to exist, unless later the reservation is reassigned, displaced, or annulled.

c. **Upload and Modify Postings:** Customers who wish to resell their rights may upload a form, create the appropriate URL or upload a file to post services for sale. A similar process applies to eligible Third Party Sellers of ancillary services. The products are posted by the TSIP. The seller may monitor the status of the services by requesting status information. Similarly the Seller may modify its posted transmission services by submitting a service modification request through a form, a URL query, or by uploading a file.

002-4 INTERFACE REQUIREMENTS

002-4.1 INFORMATION MODEL CONCEPTS

a. **ASCII-Based OASIS Templates:** For providing information to Users, TSIPs shall use the specified OASIS Templates. These Templates define the

information that must be presented to Users, both in the form of graphical displays and as downloaded files. Users shall be able to request Template information using query-response data flows. The OASIS Templates are described in section 4.3. The Data Element Dictionary, which defines the Data Elements in the OASIS Templates, is provided in WEQ 003. Data elements must be used in the exact sequence and number as shown in the Templates when file uploads and downloads are used. Although the contents of the graphical displays are precisely defined as the same information as in the Templates, the actual graphical display formats of the TS information are beyond the scope of the OASIS requirements. Due to the nature of graphical displays, there may be more than one graphical display used to convey the information in a single Template.

b. **ASCII-Based OASIS File Structures:** For uploading requests from and downloading information to Users, TSIPs shall use specific file structures that are defined for OASIS Template information (see WEQ 002-4.2). These file structures are based on the use of headers that contain the Query Variable information, including the name of the OASIS Template. These headers thus determine the contents and the format of the data that follows. Although headers may not be essential if file transfers contain the exact sequence and number of Data Elements as the Templates, this feature is being preserved for possible future use when additional flexibility may be allowed.

002-4.2 OASIS NODE CONVENTIONS AND STRUCTURES

002-4.2.1 OASIS Node Naming Requirements

The following naming conventions shall be used to locate information posted on an OASIS Node. OASIS naming conventions shall conform to standard URL structures.

002-4.2.1.1 OASIS Node Names

In order to provide a consistent method for locating an OASIS Node, the standard Internet naming convention shall be used. All OASIS Node names shall be unique. Each Primary Provider OASIS Node name and home directory shall be registered with the master OASIS directory site at http://www.tsin.com. OASIS Node names shall be stored in an Internet DNS name directory.

002-4.2.1.2 OASIS Node and Primary Provider Home Directory

The home directory name on an OASIS Node shall be "OASIS" (all upper case) to identify that the directory is related to the OASIS. The directory of each Primary Provider shall be listed under the "OASIS" directory:

http://(OASIS Node name)/OASIS/(PRIMARY_PROVIDER_CODE)

Where:

(OASIS Node name) is the World Wide Web URL address of the OASIS Information Provider.

(PRIMARY_PROVIDER_CODE) (Case sensitive) is the 4-character acronym of the primary provider.

PRIMARY_PROVIDER_CODEs shall be registered with the master OASIS directory site at http://www.tsin.com. A pointer to user registration information shall be located on the Primary Provider's home page.

002-4.2.1.3 Script Names

Common Gateway Interface (CGI) scripts shall be located in the directory "data" as follows (case sensitive): **http://(OASIS Node name)/OASIS/ (PRIMARY_PROVIDER_CODE) /data/(cgi script name)?(Query Variables)**

Where:

(**cgi script name**) is the OASIS Template name in lower case (see Section 4.3). Other cgi scripts may be defined as required to implement the HTML interface to the documented Templates.

(**Query Variables**) is a list of query variables with their settings formatted as defined by the HTTP protocol (i.e., URL encoded separated by ampersands).

Example:

To request the hourly schedule Template at Primary Provider WXYZ Co.

http://www.wxyz.com/OASIS/WXYZ/data/schedule ?templ=schedule& ver=1.2& fmt=data &stime=19960412040000PD &sptime=19960412100000PD& pprov=wxyz

002-4.2.2 Data Element Dictionary

The following are the requirements for the Data Element Dictionary:

a. Definition of OASIS Information Elements: All OASIS Information Data Elements shall be defined in the Data Element Dictionary which will be stored in the OASIS Node directory:

- **http://(OASISNode Name)/OASIS/(PRIMARY_PROVIDER_CODE)/ (datadic.htm | datadic.txt)**
- Where:
- **datadic.htm is the HTML version of the Data Element dictionary (case sensitive)**
- **datadic.txt is the ASCII text version of the Data Element dictionary (case sensitive)**
- The Data Element Dictionary is defined in Appendix A.

b. **Provider-specific Data Element Values:** The valid values that certain OASIS Information Data Elements may take on, such as PATH_NAME, etc., are unique to a Primary Provider. Names that must be uniquely identified by Primary Provider shall be listed on-line on the OASIS Node via the LIST Template (see Section 4.3.5). In posting OASIS information associated with

Data Elements which are not free-form text, TSIPs shall use only the accepted Data Element values listed in the Data Element Dictionary and/or those values posted in the LIST of provider specific names provided on the OASIS Node.

002-4.2.3 OASIS Template Constructs

002-4.2.3.1 Template Construction

Standard 002-4.3 lists the set of OASIS Templates that shall be supported by all OASIS Nodes. These OASIS Templates are intended to be used precisely as shown for the transfer of data to/from OASIS Nodes, and identify, by Data Elements names, the information to be transferred. The construction of the OASIS Templates shall follow the rules described below:

a. **Unique OASIS Template Name:** Each type of OASIS Template shall be identified with a unique name which shall be displayed to the User whenever the OASIS Template is accessed.

b. **Transfer Protocol:** OASIS Templates are transferred using the HTTP protocol. Templates shall support both the "GET" and "POST" methods for transferring "query string" name/value pairs, as well as the OASIS specific "comma separated value" (CSV) format for posting and retrieval of information from OASIS Nodes. HTML screens and forms shall be implemented for each OASIS Template.

c. **Source Information:** Each OASIS Template shall identify the source of its information by including or linking to the name of the Primary Provider, the Secondary Provider, or the Customer who provided the information.

d. **Time Of Last Update:** Each OASIS Template shall include a time indicating when it was created or whenever the value of any Data Element was changed.

e. **Data Elements:** OASIS Templates shall define the elementary Data Element Dictionary names for the data values to be transferred or displayed for that Template.

f. **Documentation:** OASIS Information shall be in non-cryptic English, with all mnemonics defined in the Data Element Dictionary or a glossary of terms. TSIPs shall provide on-line descriptions and help screens to assist Users understanding the displayed information. Documentation of all formats, contents, and mnemonics shall be available both as displays and as files that can be downloaded electronically. In order to meet the "User-Friendly" goal and permit the flexibility of the OASIS Nodes to expand to meet new requirements, the OASIS Templates shall be as self-descriptive as possible.

002-4.2.3.2 Template Categories

OASIS Templates are grouped into the following two major categories:

a. **Query/Response:** These Templates are used to query and display information posted on an OASIS Node. Each query/response Template accepts a set of user specified Query Variables and returns the appropriate

information from data posted on the OASIS Node based on those Query Variables. The valid Query Variables and information to be returned in response are identified by Data Element in Section 4.3.

b. **Input/Response**: These Templates are used to upload/input information on an OASIS Node. The required input information and information to be returned in response are identified by Data Element in Section 4.3, Template Descriptions.

002-4.2.3.3 Template HTML Screens

Though the exact form and content of the HTML screens and forms associated with the OASIS Templates are not dictated by this document, the following guidelines shall be adhered to for all HTML screens and forms implemented on an OASIS Node:

a. **Data Element Headings:** Data displayed in an HTML screen/form shall be labeled such that the associated data value(s) is(are) easily and readily identifiable as being associated with a particular OASIS Template Data Element. HTML "Hot-Links" or other pointer mechanisms may be provided for Data Element headings in OASIS Templates which permit the User to access documentation describing the meaning, type, and format of the associated data.

b. **Display Limitations:** HTML screens and forms shall be implemented in such a way to allow the display of all data specified for each OASIS Template. This may take the form of "wrapping" of lines of information on the screen, the use of horizontal and/or vertical scrolling, or the use of "Hot-Links" or other pointer mechanisms. There is not necessarily a one-to-one relationship between HTML screens implemented on OASIS Nodes, and their associated Template. However, all Template Data Elements shall be viewable through one or more HTML screens.

c. **Template Navigation:** HTML "Hot-Links" or other pointer mechanisms may be provided to assist the navigation between screens/forms associated with related OASIS Templates.

002-4.2.4 Query/Response Template Requirements

Retrieval of information posted on an OASIS Node is supported by the Query/Response Templates. The "query" identifies the OASIS Template and optionally supplies additional Data Elements that may be used to select specific information to be returned in the "response".

002-4.2.4.1 Query Requirements

Query information is transferred to an OASIS Node using the HTTP protocol as a string of Query Variables in the form of name/value pairs. Query Variable name/value pairs are specified as a collection of encoded strings (e.g., blank characters replaced by plus (+) character, etc.) in the form of **name=value**, with each name/value pair separated by ampersands (&) (see section 4.2.6).

OASIS Nodes shall support the following methods for Users to input Query information:

a. **HTML:** HTML FORM input and/or hypertext links shall be provided to allow Users to specify OASIS Template Query Variables. This will be the easiest way to obtain information and should be the choice of most casual Users and for simple requests. The exact nature and form of these HTML screens are not specified, and may differ between OASIS Nodes.

b. **GET Method:** The HTTP GET method for specifying query information appended to a standard OASIS URL shall be supported. Using this method, the **name=value** formatted Query Variables preceded by a question mark (?) are appended to the URL. Each "name" in a name/value pair corresponds to a Data Element name associated with that Template. OASIS Nodes shall support the specification of all Data Elements associated with a Template by both their full name and alias as defined in the Data Dictionary. The "value" in a name/value pair represents the value to be associated with the Data Element being specified in the appropriate format as defined in the Data Dictionary and encoded according to the HTTP protocol.

c. **POST Method:** The HTTP POST method for specifying query information in the message body shall be supported. Using this method, the **name=value** formatted Query Variables shall be transferred to an OASIS Node using the "**Content-length:**" HTTP header to define the length in bytes of the encoded query string and the "**Content-type: application/x-www-form-urlencoded**" HTTP header to identify the data type included in the message body. Each "name" in a name/value pair corresponds to a Data Element name associated with that Template. An OASIS Node shall support the specification of all Data Elements associated with a Template by both their full name and alias as defined in the Data Dictionary. The "value" in a name/value pair represents the value to be associated with the Data Element being specified in the appropriate format as defined in the Data Dictionary and encoded according to the HTTP protocol.

User queries using any of the above methods are supported directly by the User's web browser software. More sophisticated data transfer mechanisms, such as the automated querying of information based on Query Variable strings contained in a User data file (i.e., "uploading a file containing a URL string), require appropriate software (e.g., "fetch_http") running on the User's computer system to effect the data transfer.

002-4.2.4.2 Response Requirements

In response to a validly formatted Query for each Query/Response OASIS Template, the OASIS Node shall return the requested information in one of two forms based on the User specified OUTPUT_FORMAT Query Variable:

a. **HTML:** If the User requests the response to have the format of "HTML" (OUTPUT_FORMAT=HTML) then the response from the OASIS Node shall be a web page using the HTML format. This shall be the default for all Query/Response Templates.

b. **CSV Format:** Comma Separated Value (CSV) format (OUTPUT_FORMAT=DATA) returns the requested information in the body of the HTTP response message. The "**Content-length:**" HTTP header shall define the length in bytes of the response, and the "**Content-type: text/x-oasis-csv**" HTTP header shall be used to identify the data type included in the message body (see CSV File Format).

002-4.2.5 Input/Response Template Requirements

Input/Response Templates support the posting of information on an OASIS Node, including reservations for transmission/ancillary service and services for sale on the secondary market, etc. The "input" identifies the required data associated with an OASIS Template to be posted on the OASIS Node, and the "response" specifies the information returned to the User.

002-4.2.5.1 Input Requirements

Input information is transferred to an OASIS Node using the HTTP protocol as either a string of Query Variables in the form of name/value pairs, or as a Comma Separated Value (CSV) message. Query Variable name/value pairs are specified as a collection of encoded strings (e.g., blank characters replaced by plus (+) character, etc.) in the form of **name=value**, with each name/value pair separated by ampersands (&). CSV formatted messages are specified in the body of an HTTP message as a series of Data Records preceded by a fixed set of header records (see section 4.2.7). OASIS Nodes shall support the following methods for Users to transfer Input data:

a. **HTML:** HTML FORM input shall be provided to allow Users to specify the necessary Input data associated with each Input/Response OASIS Template. This may be in the form of fill in blanks, buttons, pull-down selections, etc., and may use either the GET or POST methods. The exact nature and form of these HTML screens are not specified, and may differ between OASIS Nodes.

b. **GET Method:** The HTTP GET method for specifying Input information in the form of a query string appended to a standard OASIS URL shall be supported. Using this method, the **name=value** formatted Query Variables preceded by a question mark (?) are appended to the URL. Each "name" in a name/value pair corresponds to a Data Element name associated with that Template. OASIS Nodes shall support the specification of all Data Elements associated with a Template by both their full name and alias as defined in the Data Dictionary. The "value" in a name/value pair represents the value to be associated with the Data Element being specified in the appropriate format as defined in the Data Dictionary and encoded according to the HTTP protocol.

c. **POST Method:** The HTTP POST method for specifying Input information in the form of a query string in the message body shall be supported. Using this method, the **name=value** formatted Query Variables shall be transferred to an OASIS Node using the "**Content-length:**" HTTP header to define the length in bytes of the encoded query string and the "**Content-type: application/x-www-form-urlencoded**" HTTP header to identify the data type included in the message body. Each "name" in a name/value pair corresponds to a Data Element name associated with that Template. OASIS Nodes shall support the

specification of all Data Elements associated with a Template by both their full name and alias as defined in the Data Dictionary. The "value" in a name/value pair represents the value to be associated with the Data Element being specified in the appropriate format as defined in the Data Dictionary and encoded according to the HTTP protocol.

d. **CSV Format:** Comma Separated Value (CSV) formatted Input information transferred in the body of a User's HTTP message shall be supported. The "**Content-length:**" HTTP header shall define the length in bytes of the Input, and the "**Content-type: text/x-oasis-csv"** HTTP header shall be used to identify the data type included in the message body.

002-4.2.5.2 Response to Input

In response to a validly formatted Input for each Input/Response OASIS Template, the OASIS Node shall return an indication as to the success/failure of the requested action. The OASIS Node shall respond to the Input in one of two forms, based on the OUTPUT_FORMAT, which was input by a User either as a Query Variable or in a CSV format Header Record:

a. **HTML:** If the User requests the response to have the format of "HTML" (OUTPUT_FORMAT =HTML) then the response from the OASIS Node shall be a web page using the HTML format. This shall be the default for all Input/Response Templates invoked using either the FORM, GET or POST methods of input.

b. **CSV Format:** Comma Separated Value (CSV) format (OUTPUT_FORMAT=DATA) returns the response information in the body of the HTTP response message. The "**Content-length:**" HTTP header shall define the length in bytes of the response, and the "**Content-type: text/xoasis-csv"** HTTP header shall be used to identify the data type included in the message body. This shall be the default for all Input/Response Templates invoked using the CSV Format methods of input.

002-4.2.6 Query Variables

002-4.2.6.1 General

Both Query/Response and Input/Response OASIS Templates shall support the specification of a query string consisting of Query Variables formatted as name/value pairs. OASIS Nodes shall support the specification of Data Element names ("name" portion of **name=value** pair) in both the full name and alias forms defined in the Data Dictionary. OASIS Nodes shall support the specification of Query Variables from the User using either the HTTP GET or POST methods. On input, Data Element names and associated values shall be accepted and processed without regard to case. On output, Data Element names and associated values may not necessarily retain the input case, and could be returned in either upper or lower case.

002-4.2.6.2 Standard Header Query Variables

The following standard Query Variable Data Elements shall be supported for all OASIS Templates and must be entered for each Query by a User:

VERSION
TEMPLATE
OUTPUT_FORMAT
PRIMARY_PROVIDER_CODE
PRIMARY_PROVIDER_DUNS
RETURN_TZ

Since these header Query Variables must be supported for all Templates, they are not listed explicitly in the Template descriptions in Section 4.3 The User must enter all standard Header Query Variables with appropriate values.

002-4.2.6.3 Responses to Queries

Responses to Queries will include the following information as a minimum:

TIME_STAMP
VERSION
TEMPLATE
OUTPUT_FORMAT
PRIMARY_PROVIDER_CODE
PRIMARY_PROVIDER_DUNS
RETURN_TZ

The additional information shall include:

a. The requested information as defined by the Template indicated in the Query

b. For CSV downloads, the additional header Data Elements required (see section 4.2.7.3)

002-4.2.6.4 Multiple Instances

Certain Query Variables may be repeated in a given Query/Response OASIS Template query string. Such multiple instances are documented in the Template definitions using an asterisk (*) after the Query Variable. When more than one instance of the Query Variable is specified in the query string, OASIS Nodes shall recognize such multiple instances by either the Data Element's full name or alias suffixed with sequential numeric qualifiers starting with the number 1, (e.g., PATH_NAME1=abc&PATH_NAME2=xyz, or PATH1=abc&PATH2=xyz). At least 4 multiple instances will be permitted for each Query Variable marked with an asterisk (*).

002-4.2.6.5 Logical Operations

OASIS Nodes shall use the following logical operations when processing Query Variables for Query/Response OASIS Templates.

a. All Query Variables, with the exception of multiple instances of the same Query Variable Data Element, shall be operated on to return information based

on the logical- AND of those Query Variables. For example, the query string "SELLER_CODE=abc &PATH=xyz" should return information associated with only those records that are on transmission path "xyz" AND associated with transmission provider "abc."

b. Multiple instances of the same Query Variable shall be operated on as logical-OR. For example, "SELLER_CODE=abc &PATH1=xyz&PATH2=opq" should return information associated with transmission provider "abc" AND either transmission path "xyz" OR transmission path "opq". Some logical operations may exclude all possibilities, such that the responses may not contain any data.

002-4.2.6.6 Handling of Time Data Elements

a. In cases where a single Query Variable is provided to select information associated with a single Template Data Element that represents a point in time (e.g., TIME_OF_LAST_UPDATE), OASIS Nodes shall return to the User all requested information whose associat Data Element time value (e.g. TIME_OF_LAST_UPDATE) is equal to or later than the value specified by the Query Variable. In this case the stop time is implicitly "now".

b. A pair of Query Variables (e.g. START_TIME_QUEUED and STOP_TIME_QUEUED) that represents the start and stop of a time interval but is associated with one single Template Data Element (e.g. TIME_QUEUED) shall be handled by OASIS Nodes to return to the User all requested information whose associated Data Element time value falls within the specified time interval.

c. A pair of Query Variables (e.g. START_TIME and STOP_TIME Query Variables) that represents the start and stop of one time interval but is associated with another pair of Template Data Elements (e.g. START_TIME and STOP_TIME of a service offering) that represents a second time interval, shall be handled by OASIS Nodes to return to the User all requested information whose associated Data Element time interval overlaps any portion of the specified time interval. Specifically, the START_TIME Query Variable selects all information whose STOP_TIME Data Element value is later than the START_TIME Query Variable, and the STOP_TIME Query Variable selects all information whose START_TIME Data Element value is earlier than the STOP_TIME Query Variable. For example:

> The transoffering Template query string "START_TIME 970101000000ES&STOP_TIME 970201000000ES" shall select from the OASIS database all associated offerings whose start/stop times overlap any portion of the time from 00:00 January 1, 1997, to 00:00 February 1, 1997. This would include offerings that (1) started prior to Jan. 1 and stopped any time on or after Jan. 1, and (2) started on or after Jan 1 but before Feb 1

d. For changes to and from daylight savings time, either Universal Time or the correct time and zone must be used, based on whether daylight savings time is in effect.

e. All time values shall be checked upon input to ensure their validity with respect to date, time, time zone, and daylight savings time.

002-4.2.6.7 Default Values

Query Variables that are not specified by the User may take on default values as appropriate for that Query Variable at the discretion of the OASIS TSIP.

002-4.2.6.8 Limitations on Queries

OASIS TSIP may establish validation procedures and/or default values for Query Variables to restrict the size and/or performance impact of overly broad queries.

002-4.2.7 CSV Format

002-4.2.7.1 General Record Format

OASIS Users shall be able to upload information associated with Input/Response OASIS Templates and download information associated with all OASIS Templates using a standardized Comma Separated Value (CSV) format. CSV formatted data is transferred to/from OASIS Nodes as part of the body of an HTTP message using the "**Content-length:**" HTTP header to define the length in bytes of the message body, and the "**Content-type: text/x-oasis-csv"** HTTP header to identify the data type associated with the message body. CSV formatted data consists of a fixed set of header records followed by a variable number of Data Records. Each record shall be separated by a carriage return plus line feed (denoted by the symbol ↵ in all examples). The fields within a record shall be delimited by commas (,). All data within a CSV formatted message shall use printable ASCII characters with no other special embedded codes, with the exception of the special encoding requirements associated with text fields.

002-4.2.7.2 Input Header Records

The following standard header records are required for the uploading of Input data for all Input/Response OASIS Templates:

VERSION=nn.n↵
TEMPLATE=aaaaaaaaaa↵
OUTPUT_FORMAT=[DATA] ↵
PRIMARY_PROVIDER_CODE=aaaa↵
PRIMARY_PROVIDER_DUNS=nnnnnnnnn↵
RETURN_TZ=aa↵
DATA_ROWS=nnn↵
COLUMN_HEADERS=[Template Data Element names separated by commas] ↵

The format of the value associated with each of the Input header record Data Elements are dictated by the Data Dictionary. The value associated with the DATA_ROWS Data Element shall define the total number of Data Records that follow in the message after the COLUMN_HEADERS record. The COLUMN_HEADERS record defines, by Data Element name, the data

associated with each comma separated column contained in each subsequent Data Record (row). On Input, either the Data Element's full name or alias listed in the Data Dictionary may be specified.

002-4.2.7.3 Response Header Records

When explicitly specified using the OUTPUT_FORMAT=DATA Query Variable or implied by the Input of a CSV format message, the OASIS Nodes shall respond with the following standard response header records for all OASIS Templates:

REQUEST_STATUS=nnn↵
ERROR_MESSAGE=aaa↵
TIME_STAMP=yyyymmddhhmmsstz↵
VERSION=nn.n↵
TEMPLATE=aaaaaaaaaa↵
OUTPUT_FORMAT=DATA↵
PRIMARY_PROVIDER_CODE=aaaa↵
PRIMARY_PROVIDER_DUNS=nnnnnnnnn↵
RETURN_TZ=tz↵
DATA_ROWS=nnn↵
COLUMN_HEADERS=[Template Data Element names separated by commas] ↵

The format of the value associated with each of the Response header record Data Elements are dictated by the Data Dictionary. The value associated with the DATA_ROWS Data Element shall define the total number of Data Records returned in the message following the COLUMN_HEADERS header record. The COLUMN_HEADERS record defines, by Data Element name, the data associated with each comma-separated column contained in each subsequent Data Record (row). In all OASIS Node responses, the Data Element's full name shall be listed in the COLUMN_HEADERS record. The order of the column headings shall be the same as shown in the Templates for URL uploads and downloads. For graphical displays, the Provider may define the order that the Data Element names are shown.

002-4.2.7.4 Data Records

Data Records immediately follow the standard Input or Response header records. With the exception of Data Records grouped together as a single "logical record" through the use of Continuation Records, each Data Record in a CSV formatted Input message represents a single, complete execution of the associated OASIS Template. That is, sending five CSV formatted Input messages for a given Template to the same PRIMARY_PROVIDER_CODE with a single Data Record per message shall be handled in exactly the same fashion as sending a single CSV formatted Input message for the same Template and PRIMARY_PROVIDER_CODE which contains five Data Records. Each field (column) within each Data Record defines the value to be associated with the corresponding Data Element defined in the COLUMN_HEADERS record. The number of Data Records in the message is defined by the DATA_ROWS header record. The data values associated with

each column Data Element are interpreted based on the Data Element type as defined in the Data Dictionary:

a. **Numeric Data Elements:** All numeric Data Elements shall be represented by an ASCII string of numeric digits in base ten, plus the decimal point.

b. **Text Data Elements:** Alphabetic and alphanumeric Data Elements shall be represented as ASCII strings and encoded using the following rules:

- Text strings that do not contain commas (,) or double quotes (") shall be accepted both with and without being enclosed by double quotes.
- Text fields with commas (,) or double quotes (") must be enclosed with double quotes. In addition double quotes within a text field shall be indicated by two double quotes ("").
- The Data Element field length specified in Data Dictionary does not include the additional double quotes necessary to encode text data.

c. **Null Data Elements:** Null Data Elements shall be represented by two consecutive commas (,,) corresponding to the leading and trailing (if appropriate) Data Element comma separators. Null text strings may optionally be represented by two consecutive double quote characters within the leading and trailing comma separators (i.e., Y,"",Y).

002-4.2.7.5 Continuation Records

Continuation records shall be used to indicate that the information in multiple rows (records) is part of one logical record. Continuation records will be indicated through the use of a column header called CONTINUATION_FLAG. This column header is either the first column (if in a response to a query) or second column (if in a response to an input) in all Templates permitting continuation records. The first record shall contain an "N" in the CONTINUATION_FLAG column and each following record which is part of a continuation record shall contain a "Y" in this column, thus associating the information in that record with the information in the previous record. An "N" shall indicate that the record is not a continuation record. In addition to the CONTINUATION_FLAG Data Element identifying that a record is associated with a previous record, any unique record identifier associated with the first (CONTINUATION_FLAG = N) record shall be repeated in all subsequent continuation records returned in an OASIS response. Each Template that supports the use of continuation records and those particular Data Elements (COLUMN_HEADERS) that may be referenced in one or more continuation records are identified in Standards 002-4.3. On upload or input of Template data, any values supplied via continuation records that correspond to COLUMN_HEADERs other than those explicitly allowed to appear in continuation records for a particular Template shall be ignored. However commas must be included to properly align the fields (columns). Note that the submission of continuation records is only supported by the CSV Format method of uploading data to an Input/Response Template

002-4.2.7.6 Error Handling in CSV-Formatted Responses

a. Validity of each record in the CSV-formatted Response to a Template Input shall be indicated through the use of RECORD_STATUS and ERROR_MESSAGE Data Elements which are included in each Data Record (row) of the Response.

- If no error was encountered in an Input Data Record, the RECORD_STATUS Data Element in the corresponding Response record shall be returned with a value of 200 (success), and the ERROR_MESSAGE shall be blank.
- If any error is detected in processing an Input Data Record, it shall be indicated by a RECORD_STATUS Data Element value other than 200. The ERROR_MESSAGE shall be set to an appropriate text message to indicate the source of the error in that Data Record.

b. The overall validity of each Template Query or Input shall be indicated in the CSV-formatted Response via the two REQUEST_STATUS and ERROR_MESSAGE header records (see Standard 002-4.2.7.3):

- If no errors were encountered in processing the User's Input Data Records, the REQUEST_STATUS shall be returned with the value of 200 (success), and the ERROR_MESSAGE shall be blank.
- If any errors were detected in the Template Input Data Records, the REQUEST_STATUS value shall be any value other than 200, and the ERROR_MESSAGE shall be set to an appropriate text message to indicate the source of the error.

c. The OASIS Node shall validate all Input records before returning a Response to the User. The Node shall process all valid records, while invalid records shall be identified as erroneous through the use of RECORD_STATUS and ERROR_MESSAGE. The User must correct the invalid fields and resubmit only those records that were invalid. If an error is encountered in a record which is part of a set of Continuation records, then all records belonging to that set must be resubmitted.

002-4.2.8 Registration Information

002-4.2.8.1 General

As specified in the Information Access Requirements, OASIS Nodes shall provide a mechanism to register Users of the OASIS Node with a Provider. For all levels of access to OASIS information beyond simple read-only access, OASIS Nodes shall provide a mechanism to identify Users of the OASIS at least to the level of their respective Companies. The OASIS Node shall maintain both Company and User registration information.

002-4.2.8.2 Company Information

OASIS Templates require that certain Company registration information be maintained. As an extension of the Company registration information of the host, domain and port identifiers for dynamic notification of changes in the Customer's purchase requests, a field should be added to the Company's registration information that would define/identify how notification would be

delivered to that Company should a transmission or ancillary purchase request be directed to that Company as a Seller of a transmission or ancillary service. The pertinent information would be either a full HTTP protocol URL defining the protocol, host name, port, path, resource, etc. information or a "mailto:" URL with the appropriate mailbox address string. On receipt of any purchase request directed to that Company as SELLER via either the "transrequest" or "ancrequest" Templates, or on submission of any change in request information submitted to that Company as SELLER via either the "transcust" or "anccust" Templates, a notification message formatted as documented for the delivery of notification to the Customer, shall be formatted and directed to the Seller. At a minimum, OASIS Nodes shall maintain the following information for each Company:

a. **Company Code**: 4 character code for primary transmission providers; 6 character code for eligible customers in accordance with NERC Tagging Information System (TIS) requirements shall be maintained for each Company.

b. **Default Contact**: Unless specified for each individual user affiliated with the Company, default contact information consisting of a phone number, fax number, and e-mail address shall be maintained for each Company.

c. **Provider Affiliation:** Each eligible Customer shall be obligated to identify to the OASIS TSIP any affiliation with a Transmission Provider whose "home page" is on that OASIS Node.

d. **Notification URL**: For Companies using the URL notification mechanism for delivery of messages on each change of ancillary/transmission reservation STATUS, each Company shall provide the IP host name and port number to be used in delivering notification messages. OASIS Nodes shall have the right to refuse support for notification to any IP ports other than port 80.

002-4.2.8.3 User Information

With the exception of "read-only" (visitor) access, OASIS Nodes shall, at a minimum, provide a mechanism to identify Users of the Node with at least their Company. However, OASIS Nodes and Providers shall have the right to require full User identification even for visitor accounts. To support the required OASIS Template Data Elements, OASIS Nodes shall maintain the following information for each registered User:

- Company
- Name
- Phone
- Fax
- E-mail

In the event no additional User identification/registration information is maintained by the OASIS Nodes, all Template Data Elements referring to "company, name, phone, fax, e-mail" for either Customers or Sellers shall default to the Contact Information maintained for that User's Company.

002-4.2.9 Representation of Time

002-4.2.9.1 General

It is critical that all Users of OASIS Nodes have a clear and unambiguous representation of time associated with all information transferred to/from OASIS Nodes. For this reason, all Data Elements associated with time in OASIS Nodes shall represent "wall clock" times, which are NOT to be confused with other common industry conventions such as "hour ending." For the convenience of the User community, OASIS Nodes shall be allowed to accept the input and display of "time" in any acceptable form provided such non-standard representations are CLEARLY labeled on the associated HTML screens. Alternate representations of time in CSV formatted messages shall not be allowed. The following rules shall be implemented in OASIS Nodes for the representation of time on User entries (Query and Input) and output (Response) Templates.

002-4.2.9.2 Input Time

All time related Data Elements associated with either the Input or Query of Input/Response or Query/Response OASIS Templates shall be validated according the following rules. If the time zone associated with a time Data Element is associated with either Universal Time (UT) or a "standard" time zone (e.g., ES, CS, etc.), OASIS Nodes shall accept and apply a fixed hour offset from Universal Time year-round. If the time zone associated with a time Data Element is specified with a "daylight savings" time zone (e.g. ED, CD, etc.), OASIS Nodes shall verify that daylight savings time is in effect for the date/time specified. If daylight savings time (as specified by the time from 2:00am on the first Sunday of April through 2:00 am on the last Sunday of October) is not in effect, the Users input shall be rejected with an error response. If daylight savings time is in effect, the Users input shall be accepted and the appropriate hours offset from Universal Time shall be applied by OASIS Nodes for conversion to all other time zones. The input of start/stop times for transactions spanning the crossover day between standard and daylight (and vices versa) times must be made either entirely in standard time (valid year-round), or in two different time zones (xS/xD or xD/xS) for the start and stop times, depending on the time of year.

002-4.2.9.3 Output (Response) Time

The OASIS Node shall return all time Data Elements in the response to Input/Response or Query/Response OASIS Templates based on either the User specified RETURN_TZ header Query Variable or an appropriate OASIS specific default. OASIS Nodes shall interpret RETURN_TZ to specify:

a. The base time zone for conversion of all time Data Elements (e.g. Eastern, Pacific, etc.)

b. Whether daylight savings time is recognized. For example, a RETURN_TZ=ES would return all time Data Elements in Eastern Standard Time year-round. However, a RETURN_TZ=ED would direct OASIS Nodes to return all time Data Elements in Eastern Standard Time (ES) when daylight savings time is not in effect, and then return all time Data Elements in Eastern Daylight Time (ED) when daylight time is in effect.

002-4.2.10 Transaction Process

OASIS shall implement Templates that allow Customers and Sellers to enter, modify and consummate arrangements for transmission and ancillary services. In addition to the Template interface defined by these Standards, OASIS shall also provide a browser-based User Interface that implements the same basic functionality provided by the template interface through one or more displays or forms.

The OASIS transaction process is controlled through the transaction REQUEST_TYPE, identifying the type of transaction being conducted, and STATUS, indicating the request's current state in the transaction process. The WEQ 013-2 OASIS Implementation Guide Standard describes in detail the transaction process that must be implemented on OASIS. The Implementation Guide also provides specific requirements and recommendations related to the handling of particular requests form both a technical and business process perspective.

002-4.2.10.1 **Request Types**

Transmission Customers must submit requests for transmission and ancillary services to OASIS using one of the valid enumerated values in the REQUEST_TYPE data element. The valid values for REQUEST_TYPE are defined in the WEQ 003 Standard, OASIS Data Dictionary. Each REQUEST_TYPE is also defined and its use in the OASIS transaction process in the WEQ 013-2.1 Standard, OASIS Implementation Guide. The Implementation Guide also describes request type specific requirements.

002-4.2.10.2 Status Values

The STATUS Data Element is used in the OASIS transaction process to control the interaction between Customer and Seller and communicate information regarding the state of the transaction between the parties. The valid values for the STATUS Data Element are enumerated in the WEQ 003 Standard, OASIS Data Dictionary. Definitions for each of the STATUS values and a transaction state transition diagram for the STATUS Data Element is described in detail in the WEQ 013-2.2 Standard, OASIS Implementation Guide.

002-4.2.10.3 Dynamic Notification

Customers may specify the delivery of dynamic notification messages on each change in STATUS or any other Data Element(s) associated with an ancillary or transmission service reservation. OASIS Nodes shall support the delivery of dynamic notification messages through either the HTTP protocol or by electronic mail. The selection of which mechanism is used and the contents of the messages delivered to the client program or e-mail address is defined by the content of the STATUS_NOTIFICATION Data Element as described in the next subsections. Regardless of whether this dynamic notification method is used or not, it shall still remain the User's responsibility to get the desired information, possibly through the use of a periodic "integrity request". OASIS Nodes shall not be obligated or liable to guarantee delivery/receipt of messages via the STATUS_NOTIFICATION mechanism other than on a "best

effort" basis. As an extension of the Company registration information of the host, domain and port identifiers for dynamic notification of changes in the Customer's purchase requests, a field should be added to the Company's registration information that would define/identify how notification would be delivered to that Company should a transmission or ancillary purchase request be directed to that Company as a Seller of a transmission or ancillary service. The pertinent information would be either a full HTTP protocol URL defining the protocol, host name, port, path, resource, etc. information or a "mailto:" URL with the appropriate mailbox address string. On receipt of any purchase request directed to that Company as SELLER via either the "transrequest" or "ancrequest" Templates, or on submission of any change in request STATUS (or any other Data Elements associated with the request) to that Company as SELLER via either the "transcust" or "anccust" Templates, a notification message formatted as documented for the delivery of notification to the Customer, shall be formatted and directed to the Seller. This extension of dynamic notification is required only where the Transmission Provider has programmed its computer system for its own notification.

002-4.2.10.3.1 HTTP Notification

OASIS Nodes shall deliver dynamic notification to a client system based on HTTP URL information supplied in part by the STATUS_NOTIFICATION Data Element and by information supplied as part of the Customer's Company registration information. HTTP URL's are formed by the concatenation of a protocol field (i.e., http:), a domain name (e.g., //www.tsin.com), a port designation (e.g., :80), and resource location information.

The STATUS_NOTIFICATION Data Element shall contain the protocol field "http:", which designates the notification method/protocol to be used, followed by all resource location information required; the target domain name and port designations shall be inserted into the notification URL based on the Customer's Company registration information. The resource location information may include directory information, cgi script identifiers and URL encoded query string name/value pairs as required by the Customer's application. An OASIS Node performs no processing on the resource location information other than to include it verbatim along with the protocol, domain name and port information when forming the URL that will be used to deliver the HTTP protocol notification message. For example,

Company XYZ has established the domain name and port designations of "//oasistc.xyz.com:80" as part of their registration information.When a transmission reservation is submitted by one of Company XYZ's users (the Customer), and includes a STATUS_NOTIFICATION Data Element with the value of

"

http:/cgi-bin/status?DEAL_REF=8&REQUEST_REF=173",

an OASIS Node shall deliver an HTTP notification message using the URL:

http://oasistc.xyz.com:80/cgi-bin/status?DEAL_REF=8&REQUEST_REF=173

If the STATUS_NOTIFICATION field contained only the "http:" protocol designation, the notification message would be delivered using the URL:

http://oasistc.xyz.com:80

The contents of the HTTP protocol notification message delivered by an OASIS Node shall consist of the complete URL created by combining fields from the STATUS_NOTIFICATION Data Element and Company registration information as part of an HTTP POST method request. In addition to the POST method HTTP header record, OASIS Nodes shall also append the CSV formatted output of the transstatus Template information for that particular reservation using the standard Content-type: text/x-oasis-csv and appropriate Content-length: HTTP header records. OASIS Nodes shall use a Primary Provider specific default value for RETURN_TZ in formulating the transstatus response information. Continuing with the previous example, the important records in the HTTP notification message that would be delivered to Company XYZ for the transmission reservation request submitted to Primary Provider ABC and given an ASSIGNMENT_REF of 245 would be,

POST http://oasistc.xyz.com:80/cgi-bin/transtatus?DEAL_REF=8&REQUEST_REF=173
HTTP/1.0
.
.
Content-type: text/x-oasis-csv
Content-length: <byte count of remainder of message>↵
REQUEST_STATUS=200↵
ERROR_MESSAGE=aaa↵
TIME_STAMP=~~<appropriate value>~~yyyymmddhhmmsstz↵
VERSION=~~1.4~~nn.n↵
TEMPLATE=transstatus↵
OUTPUT_FORMAT=DATA↵
PRIMARY_PROVIDER_CODE=ABC↵
PRIMARY_PROVIDER_DUNS=123456789↵
RETURN_TZ=~~<appropriate value for ABC>~~yyyymmddhhmmsstz↵
DATA_ROWS=1↵
COLUMN_HEADERS=CONTINUATION_FLAG, ASSIGNMENT_REF, . . .↵
N, 245, . . .↵

In the event an error is encountered delivering the HTTP notification message to the target URL as indicated by a failure of the target system to respond, or return of HTTP response status of 408, 500, 503, or 504, OASIS Nodes shall retry up to two more times, once every 5 minutes.

002-4.2.10.3.2 E-mail Notification

OASIS Nodes shall deliver dynamic notification to an e-mail address based on Mailto: URL information specified in the STATUS_NOTIFICATION Data Element. Mailto: URL's consist of the "mailto:" protocol identifier and an Internet mail address to which the notification message should be sent. The STATUS_NOTIFICATION Data Element shall contain the protocol field "mailto:", which designates the notification method/protocol to be used, followed by an Internet mail address in conformance with RFC 822. OASIS

Nodes shall send an e-mail message to the Internet mail address containing the following information: "To:" set to the mail address from the STATUS_NOTIFICATION Data Element, "From:" set to an appropriate mail address of the OASIS Node, "Subject:" shall be the transstatus Template name followed by the value of the ASSIGNMENT_REF Data Element and the current value for the STATUS Data Element associated with the reservation (e.g., "Subject: transstatus 245 ACCEPTED"), and the body of the message shall contain the CSV formatted output of the transstatus Template information for that particular reservation. OASIS Nodes shall use a Primary Provider specific default value for RETURN_TZ in formulating the transstatus response information.

002-4.2.10.4 Use of Comments

Transmission and ancillary service reservation templates support the following text data elements to be used to communicate information between parties (i.e., transmission provider, seller, and customer) to a transaction:

- PRIMARY_PROVIDER_COMMENTS - for information to be communicated by the primary transmission provider to all other parties
- SELLER_COMMENTS - for information to be communicated by the seller (either primary provider or reseller) to the customer
- CUSTOMER_COMMENTS - for information to be communicated by the customer to the seller
- STATUS_COMMENTS - for information to be communicated by any party to all other parties

Use of these comments fields is at the discretion of the parties to the transaction with the exception that sellers of services must indicate via SELLER_COMMENTS the reason for denial of any request for service (STATUS values of INVALID, REFUSED, or DENIED). Transactions which are subject to displacement, either before or after confirmation (STATUS values of SUPERSEDED or DISPLACED), shall also include a reference to the competing reservation request that initiated the displacement in the SELLER_COMMENTS.

002-4.2.11 Reference Identifiers

a. The TSIP shall assign a unique reference identifier, ASSIGNMENT_REF, for each Customer request to purchase capacity or services. The value of ASSIGNMENT_REF may be used to imply the order in which the request was received by the TSIP. This identifier will be used to track the request through various stages, and will be kept with the service through out its life. Whenever a transaction is modified by a subsequent transaction, a new ASSIGNMENT_REF number is assigned to that subsequent transaction along with a reference to the previous transaction such that a chain of all transactions related to the service can be maintained. These changes create a parent/child relationship between related requests. The TSIP shall use REASSIGNED_REF or RELATED_REF as specified in section 4.2.13 to identify the parent request's ASSIGNMENT_REF and shall increment the IMPACTED counter of the parent request by 1. Reductions to a request posted by the Transmission Provider

shall also reference the requests ASSIGNMENT_REF and the TSIP shall increment the IMPACTED counter of the request by 1.

b. The TSIP shall assign a unique reference identifier, POSTING_REF, to each Seller's offerings of service for sale or other information (messages) posted on an OASIS Node. The Seller in any/all subsequent Template submissions, that would result in a modification to or deletion of that specific offering or message, shall reference this identifier. Optionally, Customers may also refer to this POSTING_REF in their subsequent purchase requests to aid in identifying the specific offering associated with the purchase request.

c. Sellers may aggregate portions of several previous transmission service reservations to create a new offering to be posted on an OASIS Node. When all or a portion of such offerings are sold, the Seller (original Customer) is obligated to notify the Primary Provider of the sale/assignment by inserting appropriate reassignment information on the OASIS Node (via the *transsell* or *transassign* Templates) or by some other approved method. This reassignment information consists of the ASSIGNMENT_REF value assigned to the original reservation(s) and the time interval and capacity amount(s) being reassigned to the new reservation. These values are retained in the REASSIGNED_REF, REASSIGNED_START_TIME, REASSIGNED_STOP_TIME, and REASSIGNED_CAPACITY Data Elements.

d. Sellers may identify their service offerings received from Customers through the Seller supplied value specified for the SALE_REF Data Element.

e. Customers may track their purchase requests through the Customer supplied values specified for the DEAL_REF and REQUEST_REF Data Elements. Customers may also use POSTING_REF and SALE_REF in their purchase requests to refer back to posted offerings.

002-4.2.12 Linking of Ancillary Services to Transmission Services

The requirements related to ancillary services are shown in *transoffering* (and updated using *transupdate*) using the ANC_SVC_REQ Data Element. The value must conform to the following syntax. The concept is to enter zero or more unique ancillary service requirements.

[[y:x] 0 [;y:x] n]

The letter **y** represents the code for the ancillary service per the data dictionary allowed values for AS_TYPE.

The letter **x** represents the code for requirements as follows:

- M - Mandatory, which implies that the Primary Provider must provide the ancillary service
- R - Required, which implies that the ancillary service is required, but not necessarily from the Primary Provider
- O - Optional, which implies that the ancillary service is not necessarily required, but could be provided
- U - Unknown, which implies that the requirements for the ancillary service are not known at this time

The letter **n** represents the maximum occurrences which shall not exceed the number of allowed values for AS_TYPE.

Ancillary Services may be requested by a User from the Seller~~Provider~~ at the same time as transmission services are requested via the transrequest Template Data Element ANC_SVC_LINK. The value must conform to the following syntax. The concept is to enter zero or more unique ancillary service request as indicated by the ANC_SVC_REQ value as being Mandatory or Required.

[[z:(AA[:xxx[:yyy[:nnn]]])] 0 [;z:(AA[:xxx[:yyy[:nnn]]])] n]

The letter **y** represents the code for the ancillary service per the data dictionary allowed values for AS_TYPE.

The AA is the appropriate PRIMARY_PROVIDER_CODE, SELLER_CODE, or CUSTOMER_CODE, and represents the company providing the ancillary services. "AA" may be unspecified for "xxx" type identical to "FT", in which case the ":" character must be present and precede the "FT" type. If multiple "AA" terms are necessary, then each "AA" grouping will be enclosed within parenthesis, with the overall group subordinate to the AS_TYPE specified within parenthesis.

The xxx represents either:

- "FT" to indicate that the Customer will determine ancillary services at a future time, or
- "SP" to indicate that the Customer will self-provide the ancillary services, or
- "RQ" to indicate that the Customer is asking the OASIS Node to initiate the process for making an ancillary services reservation with the indicated Provider or Seller on behalf of the Customer. The Customer must then continue the reservation process with the Provider or Seller. If the transmission services request is for pre-confirmed service, then the ancillary services shall also be pre-confirmed, or
- "AR" to indicate an assignment reference number sequence follows.

The terms "yyy" and "nnn" are subordinate to the xxx type of "AR". The yyy represents the ancillary services reservation number (ASSIGMNENT_REF) and nnn represents the capacity of the reserved ancillary services. Square brackets are used to indicate optional elements and are not used in the actual linkage itself. Specifically, the :yyy is applicable to only the "AR" term and the :nnn may optionally be left off if the capacity of ancillary services is the same as for the transmission services, and optionally multiple ancillary reservations may be indicated by additional (xxx[:yyy[:nnn]]) enclosed within parenthesis.

If no capacity amount is indicated, the required capacity is assumed to come from the ancillary reservations in the order indicated in the codes, on an "as-needed" basis.

Examples for the handling of ancillary service linkage to transmission service requests/reservations are presented in the OASIS Implementation Guide Standard WEQ 013-4.2.

~~The requirements related to ancillary services are shown in *transoffering* (and updated using *transupdate*) using the ANC_SVC_REQ Data Element containing the following permitted values:~~

~~SC:x; RV:x; RF:x; EI:x; SP:x; SU:x;~~

~~where SC, RV, RF, EI, SP and SU are the ancillary services 1 through 6 described in the Proforma Tariff,~~

- ~~SC - Scheduling, system Control and dispatch~~
- ~~RV - Reactive supply and Voltage control~~
- ~~RF - Regulation and Frequency response~~
- ~~EI - Energy Imbalance~~
- ~~SP - SPinning reserve~~
- ~~SU - SUpplemental reserve~~

~~and where x={M,R,O,U} means one of the following:~~

- ~~Mandatory, which implies that the Primary Provider must provide the ancillary service~~
- ~~Required, which implies that the ancillary service is required, but not necessarily from the Primary Provider~~
- ~~Optional, which implies that the ancillary service is not necessarily required, but could be provided~~
- ~~Unknown, which implies that the requirements for the ancillary service are not known at this time~~

~~Ancillary services may be requested by a User from the Provider at the same time as transmission services are requested via the transrequest Template, by entering the special codes into ANC_SVC_LINK to represent the Proforma ancillary services 1 through 6 (or more) as follows:~~

~~SC:(AA[:xxx[:yyy[:nnn]]]); RV: (AA[:xxx[:yyy[:nnn]]]); RF: (AA[:xxx[:yyy[:nnn]]]); EI: (AA[:xxx[:yyy[:nnn]]]); SP: (AA[:xxx[:yyy[:nnn]]]); SU: (AA[:xxx[:yyy[:nnn]]]); {Registered}:(AA[:xxx[:yyy[:nnn]]])~~

~~where AA is the appropriate PRIMARY_PROVIDER_CODE, SELLER_CODE, or CUSTOMER_CODE, and represents the company providing the ancillary services. "AA" may be unspecified for "xxx" type identical to "FT", in which case the ":" character must be present and precede the "FT" type. If multiple "AA" terms are necessary, then each "AA" grouping will be enclosed within parenthesis, with the overall group subordinate to the AS_TYPE specified within parenthesis and where xxx represents either:~~

- ~~"FT" to indicate that the Customer will determine ancillary services at a future time, or~~
- ~~"SP" to indicate that the Customer will self-provide the ancillary services, or~~
- ~~"RQ" to indicate that the Customer is asking the OASIS Node to initiate the process for making an ancillary services reservation with the indicated Provider or Seller on behalf of the Customer. The Customer must then continue the reservation process with the Provider or Seller. If the transmission services request is for preconfirmed service, then the ancillary services shall also be preconfirmed, or~~

~~"AR" to indicate an assignment reference number sequence follows. The terms "yyy" and "nnn" are subordinate to the xxx type of "AR". yyy represents the ancillary services reservation number (ASSIGMNENT_REF) and nnn represents the capacity of the reserved ancillary services. Square brackets are used to indicated optional elements and are not used in the actual linkage itself. Specifically, the :yyy is applicable to only the "AR" term and the :nnn may optionally be left off if the capacity of ancillary services is the same as for the transmission services, and optionally multiple ancillary reservations may be indicated by additional (xxx[:yyy[:nnn]]) enclosed within parenthesis. If no capacity amount is indicated, the required capacity is assumed to come from the ancillary reservations in the order indicated in the codes, on an "as-needed" basis.~~

~~Examples for the handling of ancillary service linkage to transmission service requests/reservations are presented in the OASIS Implementation Guide Standard WEQ 013-4.2.~~

002-4.2.13 [Deleted]

002-4.2.13.1 [Deleted]

002-4.2.13.2 [Deleted]

002-4.2.13.3 [Deleted]

002-4.2.13.4 [Deleted]

002-4.2.13.5 [Deleted]

002-4.2.13.6 [Deleted]

002-4.2.13.7 [Deleted]

002-4.2.13.8 [Deleted]

002-4.2.13.9 [Deleted]

002-4.2.13.10 [Deleted]

002-4.3 TEMPLATE DESCRIPTIONS

The following OASIS Templates define the Data Elements in fixed number and sequence which must be provided for all data transfers to and from the OASIS Nodes. The definitions of the Data Elements are listed in the Data Element Dictionary in Appendix A. TSIPs must provide a more detailed supplemental definition of the list of Sellers, Paths, Point of Receipt (POR), Point of Delivery (POD), Capacity Types, Ancillary Service Types and Templates online, clarifying how the terms are being used (see LIST Template). If POR and POD are not used, then Path Name must include directionality. Many of the Templates represent query-response interactions between the User and the OASIS Node. These interactions are indicated by the "Query" and "Response" section respectively of each Template. Some, as noted in their descriptions,

are Input information, sent from the User to the OASIS Node. The Response is generally a mirror of the Input, although in some Templates, the TSIP must add some information.

002-4.3.1 Template Summary

The following table provides a summary of the process areas, and Templates to be used by Users to query information that will be downloaded or to upload information to the Primary Providers. These processes define the functions that must be supported by an OASIS Node.

Process Area	Process Name	Template(s)
4.3.2 Query/Response of Posted Services Being Offered	Query/Response Transmission Capacity Offerings	transoffering
	Query/Response Ancillary Service Offerings	ancoffering
4.3.3 Query/Response of Services Information	Query/Response Transmission Services	transserv
	Query/Response Ancillary Services	ancserv
4.3.4 Query/Response of Schedule details and Curtailments, Security Events, Reductions, and System Data	Query/Response Transmission Schedules and Curtailments	scheduledetail
	Query/Response Security Events	security
	Query/Response Reductions to Reserved Capacity	reduction
	Query/Response Transmission System Data	systemdata
4.3.5 Query/Response of Lists of Information	Query/Response List of Sellers, Paths, PORs, PODs, Capacity Types, Ancillary Service Types, Templates	list
4.3.6 Purchase Transmission Services	Request Purchase of Transmission Services (Input)	transrequest
	Query/Response Status of Transmission Service Request	transstatus
	Seller Approves Purchase (Input)	transsell

Process Area	Process Name	Template(s)
	Customer Confirm/Withdraw Purchase of Transmission Service (Input)	transcust
	Seller Reassign Rights (Input)	transassign
4.3.7 Seller Posting of Transmission Service	Seller Post Transmission Service for Sale (Input)	transpost
	Seller Modify (Remove) Transmission Service for Sale (Input)	transupdate
4.3.8 Purchase of Ancillary Service	Request Purchase of Ancillary Service (Input)	ancrequest
	Query/Response Status of Ancillary Service Request	ancstatus
	Seller Approves Purchase of Ancillary Service (Input)	ancsell
	Customer Accept/Withdraw Purchase of Ancillary Service (Input)	anccust
	Seller Reassign Rights (Input)	ancassign
4.3.9 Seller Post Ancillary Service	Seller Post Ancillary Service (Input)	ancpost
	Seller Modify (Remove) Ancillary Service for Sale (Input)	ancupdate
4.3.10 Informal Messages	Post Want Ads (Input)	messagepost
	Query/Response Want Ads	message
	Delete Want Ad (Input)	messagedelete
	Personnel Transfers	personnel
	Discretion	discretion
	Standards of Conduct	stdconduct
4.3.11 Audit Log	Query/Response Audit Log	(various)

002-4.3.2 Query/Response of Posted Services Being Offered

The following Templates define the information to be posted on services offered for sale. All discounts for service negotiated by a Customer and Primary Provider (as Seller) at a price less than the currently posted offering price shall be posted on OASIS Nodes in such a manner as to be viewed using these Templates. All secondary market and/or third-party posting and Primary Provider offerings for like services shall also be viewed using these Templates. The Query must start with the standard header Query Variable Data Elements, listed in Section 4.2.6.2, and may include any valid combination of the remaining Query Variables, shown below in the Templates. START_TIME and STOP_TIME is the requested time interval for the Response to show all offerings which intersect that interval (see Section 4.2.6.6). TIME_OF_LAST_UPDATE can be used to specify all services updated since a specific point in time. OASIS shall support the specification of at least four instances of those Qquery variables listed with an asterisk (*) ~~can have at least 4 multiple instances defined by the user in making the query~~. In the Response, OFFER_START_TIME and OFFER_STOP_TIME indicate the "request time window" within which a customer must request a service in order to get the posted OFFER_PRICE. START_TIME and STOP_TIME indicate the time frame that the service is being offered for. The SERVICE_DESCRIPTION Data Element shall define any attributes and/or special terms and conditions applicable to the offering that are not listed under the standard SERVICE_DESCRIPTION associated with the product definition supplied in the ***transserv*** or ***ancserv*** Templates. SERVICE_DESCRIPTION shall be null if there are no unique attributes or terms associated with the offering.

002-4.3.2.1 Transmission Capacity Offerings Available for Purchase (transoffering)

Transmission Services Offerings Available for Purchase (***transoffering***) is used to view transmission services posted for sale by the Primary Provider or Resellers. At a minimum this Template must be used to view each increment and type of service required to be offered under applicable regulations and the Primary Provider's tariffs. The POSTING_REF is set by the TSIP when an offering is posted and can be used in ***transrequest*** to refer to a particular offering.

A User may query information about services available from all sellers for the time frame specified by the SERVICE_INCREMENT Data Element (e.g., namely, hourly, daily, weekly, monthly, or yearly). When queried by the Customer with a specified SERVICE_INCREMENT query parameter, OASIS shall return in the ***transoffering*** response all posted offers where SERVICE_INCREMENT or OFFER_INCREMENT matches any of the specified SERVICE_INCREMENT query values. For offers posted by the Transmission Provider, OFFER_INCREMENT and SERVICE_INCREMENT are always set to the same value. For postings made by Resellers, the OFFER_INCREMENT indicates the period of service being offered for resale, while the SERVICE_INCREMENT and the other associated transmission attributes (e.g., TS_CLASS, TS_TYPE, etc.) represent the transmission service rights held by the reseller and being offered for resale. Further information on resale offerings is provided in the OASIS Implementation Guide WEQ 013-3.5, 0~~1~~1113-3.6 and 0~~1~~1113-3.7.

Template: **transoffering**

1. **Query**
   PATH_NAME*
   SELLER_CODE*
   SELLER_DUNS*
   POINT_OF_RECEIPT*
   POINT_OF_DELIVERY*
   SERVICE_INCREMENT*
   TS_CLASS*
   TS_TYPE*
   TS_PERIOD*
   TS_WINDOW*
   TS_SUBCLASS*
   START_TIME (of transmission services)
   STOP_TIME (of transmission services)
   POSTING_REF
   TIME_OF_LAST_UPDATE

2. **Response**

   The response is one or more records showing the requested service information. Note that the Customer will receive as a series of records spanning all the SELLER_CODEs, PATH_NAMEs, PORs, PODs, TS_xxx, and the START_TIME/STOP_TIME specified in the query. The SALE_REF is a value provided by the SELLER to identify the transmission service product being sold. The ANC_SVC_REQ indicates all ancillary services required for the specified transmission services. All Template elements are defined in the Data Element Dictionary.

   TIME_OF_LAST_UPDATE
   SELLER_CODE
   SELLER_DUNS
   PATH_NAME
   POINT_OF_RECEIPT
   POINT_OF_DELIVERY
   INTERFACE_TYPE
   ~~OFFER_INCREMENT~~
   OFFER_START_TIME
   OFFER_STOP_TIME
   START_TIME
   STOP_TIME
   CAPACITY (If null, then look in seller comments for information .)
   SERVICE_INCREMENT
   TS_CLASS
   TS_TYPE
   TS_PERIOD
   TS_WINDOW
   TS_SUBCLASS
   ANC_SVC_REQ
   SALE_REF
   POSTING_REF
   CEILING_PRICE
   OFFER_PRICE
   PRICE_UNITS

SERVICE_DESCRIPTION (if null, then look at *transserv*)
NERC_CURTAILMENT_PRIORITY
OTHER_CURTAILMENT_PRIORITY
SELLER_NAME
SELLER_PHONE
SELLER_FAX
SELLER_EMAIL
SELLER_COMMENTS
OFFER_INCREMENT

002-4.3.2.2 Ancillary Services Available for Purchase (ancoffering)

Ancillary Services Available for Purchase (***ancoffering***) is used to provide information regarding the ancillary services that are available for sale by all sellers (both Primary Provider and Third Party Sellers).

Template: **ancoffering**

1. **Query**

SELLER_CODE*
SELLER_DUNS*
CONTROL_AREA*
SERVICE_INCREMENT*
AS_TYPE*
START_TIME
STOP_TIME
POSTING_REF
TIME_OF_LAST_UPDATE

2. **Response**

TIME_OF_LAST_UPDATE
SELLER_CODE
SELLER_DUNS
CONTROL_AREA
OFFER_START_TIME
OFFER_STOP_TIME
START_TIME
STOP_TIME
CAPACITY
SERVICE_INCREMENT
AS_TYPE
SALE_REF
POSTING_REF
CEILING_PRICE
OFFER_PRICE
PRICE_UNITS
SERVICE_DESCRIPTION (if blank, then look at *ancserv*)
SELLER_NAME
SELLER_PHONE
SELLER_FAX
SELLER_EMAIL

SELLER_COMMENTS

002-4.3.3 Query/Response of Services Information

002-4.3.3.1 Transmission Services (transserv)

Transmission Services (***transserv***) is used to provide additional information regarding the transmission services SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_SUBCLASS, TS_WINDOW, NERC_CURTAILMENT_PRIORITY, and OTHER_CURTAILMENT_PRIORITY that are available for sale by a Provider in the Templates in Section 4.3.2. This Template is used to summarize Provider tariff information for the convenience of the User. The Provider also sets PRICE_UNITS with this Template.

Template: **transserv**

1. **Query**

   TIME_OF_LAST_UPDATE

2. **Response**

   TIME_OF_LAST_UPDATE
   SERVICE_INCREMENT
   TS_CLASS
   TS_TYPE
   TS_PERIOD
   TS_WINDOW
   TS_SUBCLASS
   CEILING_PRICE
   PRICE_UNITS
   SERVICE_DESCRIPTION
   NERC_CURTAILMENT_PRIORITY
   OTHER_CURTAILMENT_PRIORITY
   TARIFF_REFERENCE

002-4.3.3.2 Ancillary Services (ancserv)

Ancillary Services (***ancserv***) is used to provide additional information regarding the ancillary services that are available for sale by a Provider in the Templates in Section 4.3.2. This Template is used to summarize Provider tariff information for the convenience of the User. The Provider also sets PRICE_UNITS with this Template.

Template: **ancserv**

1. **Query**

   TIME_OF_LAST_UPDATE

2. **Response**

TIME_OF_LAST_UPDATE
SERVICE_INCREMENT
AS_TYPE
CEILING_PRICE
PRICE_UNITS
SERVICE_DESCRIPTION
TARIFF_REFERENCE

002-4.3.4 Query/Response of Schedules and Curtailments, Security Events, Reductions, and System Data

002-4.3.4.1 Transaction Schedule (scheduledetail)

Transaction Schedule (***scheduledetail***) provides information on the scheduled uses of the Provider's transmission system and any curtailments or interruption thereof. Posting of transmission service schedule information shall be in accordance with regulatory requirements, and reflect scheduled uses of reserved capacity to a level of detail that such schedules are subject to a Provider's application of transmission security procedures and policies regarding curtailment and interruptions. There is no restriction on the number of transaction schedule records that may refer to a given transmission reservation at a given point in time.

The Query Variables ASSIGNMENT_REF, SELLER_CODE, SELLER_DUNS, CUSTOMER_CODE, CUSTOMER_DUNS, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, and TS_PERIOD act to select those transmission reservations for which all applicable transaction schedule information is to be returned. The PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY Query Variables select all applicable interchange transaction schedule records that use the specified path, point of receipt, and/or point of delivery. The TIME_OF_LAST_UPDATE, START_TIME, and STOP_TIME Query Variables select those particular interchange transaction schedule records updated and/or effective: 1) on or after a particular point in time (START_TIME alone), 2) before a particular point in time (STOP_TIME alone), or 3) between particular points in time (START_TIME and STOP_TIME). The TRANSACTION_ID Query Variable selects all applicable schedule information records associated with that particular schedule. Note that the format of TRANSACTION_ID may be Transmission Provider specific.

Each ***scheduledetail*** Template record returned in response to a query shall include information associated with:

1. information specifically related to the scheduled transaction,
2. information from all applicable OASIS transmission reservations used to support the scheduled interchange transaction, and
3. information related to any curtailment or interruption of service (if applicable), including a Transmission Provider's refusal to accept or begin a Customer's proposed interchange transaction for reliability or economic reasons (as allowed by the Provider's Tariff).

Information to be supplied in each ***scheduledetail*** Template's response records related to the scheduled interchange are, SCHEDULE_REF,

TRANSACTION_ID, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, GCA_CODE, LCA_CODE, SOURCE, SINK, SCHEDULE_PRIORITY, START_TIME, STOP_TIME, SCHEDULE_REQUESTED, and SCHEDULE_GRANTED.

The posting and availability of schedule and curtailment information on OASIS shall be in accordance with FERC Policy.

SCHEDULE_REF uniquely identifies a particular posting of schedule information. SCHEDULE_REF would vary with each record of data returned in response to a *schedule* query. TRANSACTION_ID, if applicable/available, contains a unique identifier associated with an interchange transaction that may span multiple SCHEDULE_REF records. When available or applicable, the TRANSACTION_ID Data Element should reflect any industry-recognized transaction identifier rather than a Provider specific internal identifier (e.g., the NERC electronic tagging "tag-id"). PATH_NAME, POINT_OF_RECEIPT, and POINT_OF_DELIVERY identify the Transmission Provider's specific transmission resources used by the scheduled transaction, and would typically be identical to the corresponding Data Elements associated with the OASIS transmission reservation used to support the schedule. When known, the GCA_CODE and LCA_CODE identify the NERC registered Control Area acronyms associated with the ultimate generation and load control areas respectively. When known or required to more specifically identify the ultimate points of generation and load, the SOURCE and SINK elements identify service points within the generation and load Control Areas respectively. SCHEDULE_PRIORITY identifies the relative priority of this particular interchange transaction as compared to all other scheduled transactions with respect to the application of curtailments or interruptions. SCHEDULE_PRIORITY would typically reflect the curtailment priority Data Elements associated with the OASIS transmission reservation used to support the schedule (i.e., NERC_CURTAILMENT_PRIORITY or OTHER_CURTAILMENT_PRIORITY). START_TIME and STOP_TIME designate the particular time interval represented by this record associated with the scheduled transaction. Note that multiple response records may be returned for a given scheduled transaction when information associated with the schedule vary over time (e.g., SCHEDULE_REQUESTED, SCHEDULE_GRANTED, SCHEDULE_LIMIT, etc.), but that ***scheduledetail*** Template response records for a given scheduled transaction should never overlap in time. SCHEDULE_REQUESTED reflects the MW value requested to be scheduled by the Customer during the hour, and SCHEDULE_GRANTED reflects the MW value actually scheduled by the Transmission Provider at either the point of receipt or delivery, whichever is larger, over the START_TIME/STOP_TIME time interval. When SCHEDULE_REQUESTED exceeds SCHEDULE_GRANTED, a curtailment or interruption is in effect and additional information shall be returned in the record.

Information in each ***scheduledetail*** Template's response record related to the OASIS transmission reservation(s) supporting the scheduled transaction includes ASSIGNMENT_REF, SELLER_CODE, SELLER_DUNS, CUSTOMER_CODE, CUSTOMER_DUNS, AFFILIATE_FLAG, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS, NERC_CURTAILMENT_PRIORITY, OTHER_CURTAILMENT_PRIORITY, and CAPACITY_USED. Transaction

schedules that are supported by the use of multiple OASIS transmission reservations return the information attributable to each individual transmission reservation using continuation records (i.e., records beginning with CONTINUATION_FLAG = 'Y'). Each continuation record shall also include the SCHEDULE_REF identifier from the first (CONTINUATION_FLAG = 'N') record. CAPACITY_USED reflects the peak MW amount of the reservation used to support the scheduled transaction; the sum of CAPACITY_USED over all continuation records (if applicable) should equal the SCHEDULE_GRANTED.

Transaction schedules that were either "denied or interrupted" (ref. 18 CFR 37.6(a)(4)) shall include information in the ***scheduledetail*** Template's response related to the reason the transaction could not be started or continued at the requested MW amount. The information returned shall include: PROVIDER_ACTION, SCHEDULE_LIMIT, CURTAILMENT_OPTIONS, SECURITY_REF, EVENT_ID, SECURITY_TYPE, INITIATING_PARTY, RESPONSIBLE_PARTY, PROCEDURE_NAME, PROCEDURE_LEVEL, FACILITY_CLASS, FACILITY_LIMIT_TYPE, FACILITY_LOCATION, FACILITY_NAME, and ~~FACILITY_CLASS, and FACILITY_LIMIT_TYPE~~ANNOTATION. If there are no restrictions to the scheduled transaction, these Data Elements shall all be returned as null.

PROVIDER_ACTION indicates the particular action taken by the Transmission Provider with respect to the scheduled transaction; specific values to be returned are, DENIED if the schedule was not started as requested, CURTAILED if the scheduled MW was limited for reliability reasons, or INTERRUPTED if the scheduled MW was limited for economic reasons. SCHEDULE_LIMIT reflects the **maximum** MW value over the START_TIME/STOP_TIME interval that the Provider has determined can be scheduled. CURTAILMENT_OPTIONS defines any options the Customer may exercise to reinstate all or part of the proposed schedule. SECURITY_REF, INITIATING_PARTY, RESPONSIBLE_PARTY, PROCEDURE_NAME, PROCEDURE_LEVEL, FACILITY_NAME, FACILITY_CLASS, and FACILITY_LIMIT_TYPE provide information related to the specific transmission security event that prompted the Transmission Provider's denial, curtailment or interruption of the proposed scheduled transaction (see ***security*** Template).

Template: ***scheduledetail***

1. **Query**

   PATH_NAME*
   SELLER_CODE*
   SELLER_DUNS*
   CUSTOMER_CODE*
   CUSTOMER_DUNS*
   POINT_OF_RECEIPT*
   POINT_OF_DELIVERY*
   SERVICE_INCREMENT*
   TS_CLASS*
   TS_TYPE*
   TS_PERIOD*

TS_WINDOW*
TS_SUBCLASS*
START_TIME
STOP_TIME
TIME_OF_LAST_UPDATE
ASSIGNMENT_REF
TRANSACTION_ID

2. **Response**

CONTINUATION_FLAG
TIME_OF_LAST_UPDATE
SCHEDULE_REF
TRANSACTION_ID
    PATH_NAME
    POINT_OF_RECEIPT
    POINT_OF_DELIVERY
    GCA_CODE
    LCA_CODE
    SOURCE
    SINK
    SCHEDULE_PRIORITY
START_TIME
STOP_TIME
SCHEDULE_REQUESTED
SCHEDULE_GRANTED
ASSIGNMENT_REF
    SELLER_CODE
    SELLER_DUNS
    CUSTOMER_CODE
    CUSTOMER_DUNS
    AFFILIATE_FLAG
    SERVICE_INCREMENT
    TS_CLASS
    TS_TYPE
    TS_PERIOD
    TS_WINDOW
    TS_SUBCLASS
    NERC_CURTAILMENT_PRIORITY
    OTHER_CURTAILMENT_PRIORITY
    CAPACITY_USED
(if the transaction is subject to curtailment:)
PROVIDER_ACTION
SCHEDULE_LIMIT
CURTAILMENT_OPTIONS
SECURITY_REF
    EVENT_ID
    SECURITY_TYPE
    INITIATING_PARTY (e.g, CA/TP code)
    RESPONSIBLE_PARTY (e.g., SC code)
    PROCEDURE_NAME (e.g., "NERC TLR", or registered)
    PROCEDURE_LEVEL (e.g., "2a", "3")
    FACILITY_CLASS (e.g., transformer, etc.)

FACILITY_LIMIT_TYPE (e.g, thermal, stability, etc.)
FACILITY_LOCATION (e.g, "INTERNAL" or "EXTERNAL")
FACILITY_NAME
~~FACILITY_CLASS (e.g., transformer, etc.)~~
~~FACILITY_LIMIT_TYPE (e.g, thermal, stability, etc.)~~
ANNOTATION

002-4.3.4.2 Security Event (security)

Security Event (***security***) provides information on transmission security/reliability events that may impact the Provider's ability to schedule transactions. The TIME_OF_LAST_UPDATE, START_TIME, and STOP_TIME Query Variables select those particular security event ~~-~~postings updated and/or effective: 1) on or after a particular point in time (START_TIME alone), 2) before a particular point in time (STOP_TIME alone), or 3) between particular points in time (START_TIME and STOP_TIME).

The SECURITY_REF Data Element is a unique identifier assigned to each posting of ~~-~~security related information; SECURITY_REF would vary with each record of data returned in response to a ***security*** query. The EVENT_ID Data Element, when available, should reflect any regional or interconnection-wide recognized security event identifier for events that are of greater scope than those administered locally by the Provider (e.g., a NERC Security Coordinator assigned identifier corresponding to a particular implementation of the NERC TLR procedure). SECURITY_TYPE identifies the type of information posted for the event; restricted values are ~~OUTAGE for postings reflecting~~defined in the ~~state of critical transmission facilities, and LIMIT for postings reflecting the implementation of security procedures to limit or reduce scheduled transactions.~~ OASIS Data Dictionary, WEQ 003. Interpretation of the remaining template data elements are dependent on SECURITY_TYPE and are explained in more detail in the OASIS Implementation Guide, WEQ 013-3.4.

The INITIATING_PARTY ~~-~~ identifies the ~~by~~ entity calling ~~Control Area, Security Coordinator or Transmission Provider code the entity calling~~ for the "outage" or "limit". ~~or "limit", and~~ RESPONSIBLE_PARTY identifies the entity ~~(Control Area, Transmission Provider, or Security Coordinator)~~ responsible for administering any resulting security ~~-~~procedure that may be instituted.

PROCEDURE_NAME and PROCEDURE_LEVEL typically reflect the specific security procedure and, if applicable, the step, stage, or level within that procedure being implemented by ~~-~~RESPONSIBLE_PARTY (e.g., NERC TLR is a recognized security procedure, and level "2a" is a step/level within that procedure). FACILITY_NAME, FACILITY_CLASS, and FACILITY_LIMIT_TYPE provide specific information related to the impacted transmission ~~-~~facility. FACILITY_LOCATION identifies if the impacted facility is "INTERNAL" or "EXTERNAL" relative to the Transmission Provider's scope of authority over the named facility.

START_TIME and STOP_TIME reflect the period of time encompassed by the particular security event posted. In cases where a security procedure is invoked and then progresses through various levels or stages, there shall be

separate postings for each of those stages declared by RESPONSIBLE_PARTY with START_TIME and STOP_TIME reflecting the period of time each specific level of the procedure was in effect.

The use of the ***security*** Template to convey information related to major transmission facility outages (SECURITY_TYPE = OUTAGE) is at the discretion of the Provider. Its definition in this Template is intended to formalize the posting of facility outage information in an OASIS –Template structure where such information prior to implementation of this Template had –been posted in a free-form manner.

The ANNOTATION Data Element is used to provide additional notes, comments or other descriptive information associated with the posted event.

Template: ***security***

1. **Query**

   START_TIME
   STOP_TIME
   TIME_OF_LAST_UPDATE
   SECURITY_REF
   EVENT_ID
   SECURITY_TYPE
   INITIATING_PARTY
   RESPONSIBLE_PARTY
   PROCEDURE_NAME
   FACILITY_CLASS
   FACILITY_LIMIT_TYPE
   FACILITY_LOCATION

2. **Response**

   TIME_OF_LAST_UPDATE
   SECURITY_REF
   EVENT_ID
   SECURITY_TYPE ~~("LIMIT" or "OUTAGE")~~
   INITIATING_PARTY (e.g., CA/TP code)
   RESPONSIBLE_PARTY (e.g., SC code)
   PROCEDURE_NAME (e.g., "NERC TLR", or registered)
   PROCEDURE_LEVEL (dependent on PROCEDURE_NAME)
   FACILITY_CLASS (e.g., "FLOWGATE", "LINE", etc.)
   FACILITY_LIMIT_TYPE (e.g., "THERMAL", "STABILITY", etc.)
   FACILITY_LOCATION (e.g., "INTERNAL" or "EXTERNAL~~")~~", etc.)
   FACILITY_NAME (e.g., path or flowgate name)
   START_TIME
   STOP_TIME
   ANNOTATION

002-4.3.4.3 Transmission Reservation Reduction (reduction)

The Transmission Reservation Reduction (***reduction***) Template provides information related to the reduction in the Transmission Customer's rights to

schedule use of all or a portion of capacity reserved for a given transmission reservation. Specific cases where such a reduction in reserved capacity would be returned in response to this query Template include: secondary market sales (as posted using the ***transassign*** or ***transsell*** Templates via the REASSIGNED_REF, etc., Data Elements), a Transmission Provider's interruption of the reservation to accommodate higher priority reservations over the interruption interval (partial displacement), etc.

~~The ASSIGNMENT_REF Query Variable is required and specifies the~~ If required by tariff or regulations, this template is also used to document the periods of time when the Primary Provider reduces the service curtailment priority for Conditional Long-Term Firm service (i.e., System Impact Study Conditional Curtailment Option) due to either a change in system conditions or service term over which the priority of service is reduced from Firm priority 7, to Non-Firm priority 6.

The ASSIGNMENT_REF Query Variable may be specified to limit the query to a specific transmission reservation(s) whose reductions in reserved capacity (if any) are to be returned. If this Query Variable is not specified, all reductions for all transmission service reservations meeting any other specified query criteria will be returned.

The START_TIME and STOP_TIME Query Variables allow the user to select the specific time interval over which the reductions in reserved capacity are to be returned (e.g., return all reductions in June for a year long reservation); by default all reductions over the life of the reservation are returned.

If the REDUCTION_TYPE query variable is specified, ALL reductions associated with any transmission service reservation that is impacted over time by a reduction matching the REDUCTION_TYPE specified will be returned in the response.

In response to a ***reduction*** Template query, each primary record returned (CONTINUATION_FLAG = N) shall include the ASSIGNMENT_REF, CAPACITY_GRANTED and CAPACITY_AVAILABLE in MWs over the interval from START_TIME to STOP_TIME. ~~CAPACITY_AVAILABLE is derived from the transmission reservation's CAPACITY_GRANTED~~ CAPACITY_GRANTED is derived from the reservation's ~~OFFER_CAPACITY~~CAPACITY_GRANTED. CAPACITY_AVAILABLE is derived from the transmission reservation's CAPACITY_GRANTED ~~OFFER_CAPACITY~~ less all reductions (if any) in reserved capacity (if any) over the interval from START_TIME to STOP_TIME as specified in the CAPACITY_REDUCED (as negative valued MWs) Data Element. ~~The REDUCTION_TYPE, and REDUCTION_REASON Data Elements describe the circumstances and IMPACTING_REF references the associated transmission reservation (if applicable) that caused the reduction in capacity.~~ REDUCTION_TYPE, REDUCTION_REASON, IMPACTING_REF, CAPACITY_REDUCED, and NERC_CURTAILMENT_PRIORITY shall be null in each primary record returned in the ***reduction*** template response; these Data Elements shall be reported in Continuation Records, as appropriate, documenting all reductions in capacity and/or service curtailment priority that are in effect over the START_TIME/STOP_TIME Interval.

If no reductions in reserved capacity or service curtailment priority have been posted against the reservation, no continuation records will be returned for that reservation and CAPACITY_AVAILABLE will equal CAPACITY_GRANTED ~~and the REDUCTION_TYPE, REDUCTION_REASON, IMPACTING_REF and CAPACITY_REDUCED Data Elements will be null. This response information is equivalent to the CAPACITY_GRANTED, START_TIME, and STOP_TIME information that would be returned on execution of the ***transstatus*** Template.~~.

~~If the CAPACITY_AVAILABLE over the interval from START_TIME to STOP_TIME is the result of more than one action reducing reserved capacity (e.g., multiple secondary market sales for the same time period), each action reducing capacity will be returned in continuation records (CONTINUATION_FLAG = Y) containing the ASSIGNMENT_REF, REDUCTION_TYPE, REDUCTION_REASON, IMPACTING_REF and CAPACITY_REDUCED Data Elements. If the action is another reservation (e.g. secondary market sale) the REASSIGNED_CAPACITY from that reservation will be shown as a negative value in CAPACITY_REDUCED~~The REDUCTION_TYPE Data Element identifies what action or event resulted in either the reduction in available capacity or service curtailment priority. The specific enumerated values for REDUCTION_TYPE and their usage are documented in the OASIS Data Dictionary WEQ 003 and the OASIS Implementation Guide WEQ 013, respectively.

If the transmission service reservation is subject to a reduction in capacity, i.e., CAPACITY_AVAILABLE is less than CAPACITY_GRANTED), one or more continuation records shall be returned associated with each reduction in capacity effective over the START_TIME/STOP_TIME interval specified in the primary record. For each reduction in capacity, the REDUCTION_TYPE shall identify the type of reduction in capacity impacting the reservation. For each of these reductions in capacity, REDUCTION_REASON may include additional information supplied in association with the reduction in capacity. IMPACTING_REF shall identify the associated transmission reservation (if applicable) that caused the reduction in capacity. CAPACITY_REDUCED shall specify the amount of capacity reduced as a negative valued MW number. NERC_CURTAILMENT_PRIORITY shall be null in these reduction records. The sum of CAPACITY_REDUCED over all continuation records returned with a negative value for CAPACITY_REDUCED shall equal the difference between CAPACITY_GRANTED and CAPACITY_AVAILABLE as reported in the primary record for the impacted reservation.

For reductions in transmission service curtailment priority for Conditional Long-term Firm service, REDUCTION_TYPE indicates the action or event that resulted in the reduction in service curtailment priority. There may be only one continuation record returned for any reduction in service curtailment priority over a given period of time. REDUCTION_REASON may include additional information supplied in association with the reduction in service curtailment priority. IMPACTING_REF shall be null. CAPACITY_REDUCED shall specify the amount of reserved capacity whose service curtailment priority is reduced as a positive valued MW number. NERC_CURTAILMENT_PRIORITY and/or OTHER_CURTAILMENT_PRIORITY shall reflect the reduction in service curtailment priority.

If the Primary Provider posts reduction information using a registered value for REDUCTION_TYPE, the usage of that registered REDUCTION_TYPE shall be specified in the Primary Provider's posted Business Practices.

Template: ***reduction***

1. **Query**

   CUSTOMER_CODE*
   CUSTOMER_DUNS*
   PATH_NAME*
   POINT_OF_RECEIPT*
   POINT_OF_DELIVERY*
   START_TIME
   STOP_TIME
   ASSIGNMENT_REF* ~~(must be specified)~~
   REDUCTION_TYPE*

2. **Response**

   CONTINUATION_FLAG
   ASSIGNMENT_REF
   CAPACITY_GRANTED
   CAPACITY_AVAILABLE
   START_TIME
   STOP_TIME
   REDUCTION_TYPE ~~(e.g., REDIRECT, INTERRUPTION, RESALE, DISPLACEMENT, etc.)~~
   REDUCTION_REASON
   IMPACTING_REF (if applicable)
   CAPACITY_REDUCED
   NERC_CURTAILMENT_PRIORITY
   OTHER_CURTAILMENT_PRIORITY

002-4.3.4.4 System Data (systemdata)

The System Data (***systemdata*)** Template is used to query specific, time varying data that is posted on a ~~PATH, POINT_OF_RECEIPT, and/or POINT_OF_DELIVERY~~SYSTEM_ELEMENT basis. ~~The SYSTEM_ATTRIBUTE Data Element defines the type of information returned in the Template response.~~ The information specified in SYSTEM_ELEMENT is dependent on SYSTEM_ELEMENT_TYPE. That is, SYSTEM_ELEMENT_TYPE defines how to interpret the value returned for SYSTEM_ELEMENT. The various types of system elements that may be specified with this template are described in the OASIS Data Dictionary, WEQ 003.

The SYSTEM_ATTRIBUTE Data Element defines the type of information returned in ATTRIBUTE_VALUE Data Element. The list of restricted values for SYSTEM_ATTRIBUTE are~~,~~ defined in the OASIS Data Dictionary, WEQ 003. The relationships between and usage of SYSTEM_ELEMENT,

SYSTEM_ELEMENT_TYPE and SYSTEM_ATTRIBUTE are described in the OASIS Implementation Guide, WEQ 013-3.3.

- ~~CBM – Capacity Benefit Margin~~
- ~~TRM – Transmission Reliability Margin~~
- ~~TTC – Total Transmission Capability~~
- ~~NATC – Non-recallable (Firm) Available Transmission Capability~~
- ~~RATC – Recallable (Non-firm) Available Transmission Capability~~
- ~~{registered} – Provider specific registered name for the data posted~~

Transmission Providers obligated to post values for one or more of the defined SYSTEM_ATTRIBUTEs on specific transmission paths over time (e.g., hourly, then daily, etc.) as called forth in FERC regulations shall return these posted values via the ***systemdata*** Template. If SYSTEM_ATTRIBUTE is omitted in the query, then all attributes defined by the transmission provider are returned, subject to the other query attributes constraints.. A given SYSTEM_ATTRIBUTE may take on only one value at any given point in time. Note that TTC and ATC information may also be viewed using the ***transoffering*** Template at the Transmission Provider's discretion. Offers of service posted by Primary Providers as viewed with the ***transoffering*** Template should reflect the applicable ATC(s) posted via ***systemdata*** in the CAPACITY Data Element.

Annotations related to specific changes in posted TTC and/or ATC values shall be denoted by the SYSTEM_ATTRIBUTE of ATC_ANNOTATION, and the specific narrative corresponding to the TTC/ATC postings shall be placed in the ANNOTATION Data Element. The specific values for TTC and/or ATC are posted under the ***systemdata*** template for the SYSTEM_ATTRIBUTES of TTC, FATC and NFATC, etc.

Template**: systemdata**

1. **Query**

   SYSTEM_ELEMENT_TYPE*
   ~~PATH_NAME*~~
   ~~POINT_OF_RECEIPT*~~
   ~~POINT_OF_DELIVERY*~~
   SYSTEM_ELEMENT*
   SYSTEM_ATTRIBUTE*
   START_TIME
   STOP_TIME
   TIME_OF_LAST_UPDATE

2. **Response (acknowledgment)**

   POSTING_REF
   SYSTEM_ELEMENT_TYPE
   ~~PATH_NAME~~
   ~~POINT_OF_RECEIPT~~
   ~~POINT_OF_DELIVERY~~
   SYSTEM_ELEMENT
   SYSTEM_ATTRIBUTE

START_TIME
STOP_TIME
ATTRIBUTE_VALUE
ATTRIBUTE_UNITS
ANNOTATION
TIME_OF_LAST_UPDATE

002-4.3.5 Query/Response of Lists of Information

002-4.3.5.1 List (list)

List (*list*) is used to provide lists of valid names. The minimum set of lists is LIST, SELLER_CODE, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_SUBCLASS, TS_WINDOW, NERC_CURTAILMENT_PRIORITY, REQUEST_TYPE, ANC_SERVICE_POINT, FACILITY_CLASS, FACILITY_LIMIT_TYPE, PROCEDURE_NAME, SYSTEM_ATTRIBUTE, SECURITY_TYPE, FACILITY_LOCATION, OTHER_CURTAILMENT_PRIORITY, AS_TYPE, CATEGORY, and TEMPLATE. The information returned by the ***list*** Template may be used as values for the associated OASIS Data Elements to query information, post or request services.

Template: **list**

1. **Query**

   LIST_NAME
   TIME_OF_LAST_UPDATE

2. **Response**

   TIME_OF_LAST_UPDATE
   LIST_NAME
   LIST_ITEM
   LIST_ITEM_DESCRIPTION

002-4.3.6 Purchase Transmission Services

The following Templates shall be used by Customers and Sellers to transact purchases of services.

002-4.3.6.1 Customer Capacity Purchase Request (transrequest)

The **Customer Capacity Purchase Request** (Input) (***transrequest***) is used by the Customer to request the purchase of transmission services or request changes to previously submitted reservations for transmission services. The response simply acknowledges that the Customer's request was received by the OASIS Node. It does not imply that the Seller has received the request. Inputting values into the reference Data Elements is optional.

CUSTOMER_CODE and CUSTOMER_DUNS shall be determined from the registered connection ~~-~~used to input the request.

Supporting "profiles" of service, which request different capacities ~~(~~and ~~optionally~~/or price~~)~~ for different time periods within a single request, is at the discretion of the Primary Provider. Continuation records may be used to indicate requests for these service profiles; use of continuation records is only supported ~~–~~when using the CSV Format upload of Template data. Each segment of a profile is represented by the set of Data Elements ~~CAPACITY_REQUESTED, BID_~~START_TIME, ~~and BID_~~STOP_TIME, CAPACITY_REQUESTED,~~BID_CAPACITY~~, and BID_PRICE which define the intervals in time over which ~~a non-zero MW demand is being requested.~~the specified capacity and price values apply. The initial segment of a profile is defined by the ~~CAPACITY_REQUESTED, BID_~~START_TIME~~ and ~~, BID_~~STOP_TIME, CAPACITY_REQUESTED,~~BID_CAPACITY~~, and BID_PRICE Data Elements specified in the first~~/~~ or only record submitted; subsequent segments are specified in continuation records each containing the appropriate ~~CAPACITY_REQUESTED, BID_~~START_TIME~~ and ~~, BID_~~STOP_TIME, CAPACITY_REQUESTED,~~BID_CAPACITY~~, and BID_PRICE values defining ~~–~~the segment.~~ Provider's may optionally support price negotiation on segments of a profiled reservation request. In this case, the BID_PRICE Data Element is also included in each continuation record. If the BID_PRICE Data Element is not specified in the continuation records, the BID_PRICE specified in the first/only record submitted will be applied to the entire reservation request.~~

For requesting transmission services which include multiple paths, the following fields may be specified using continuation records: PATH_NAME, POINT_OF_RECEIPT, and POINT_OF_DELIVERY. Supporting multiple paths or multiple POINT_OF_RECEIPT and POINT_OF DELIVERY is at the discretion of the Provider.

The earliest ~~BID_~~START_TIME and latest ~~BID_~~STOP_TIME indicate the overall requested period of service and cannot be modified by subsequent actions.

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When a valid~~the~~ request is received at the OASIS Node, the TSIP assigns a unique ASSIGNMENT_REF value and queues the request with a time stamp. The STATUS for the request is QUEUED. The IMPACTED counter is initially set to 0. ~~If the new request is not modifying an existing reservation (as indicated by a null value for the RELATED_REF Data Element) and the SELLER is the Primary Provider, REQUEST_TYPE must either be specified as "ORIGINAL" or be left null and OASIS will substitute the default value of "ORIGINAL". If the new request is not modifying an existing reservation and the SELLER is not the Primary Provider, REQUEST_TYPE must either be specified as "RESALE" or be left null and OASIS will substitute the default value of "RESALE".~~
REQUEST_TYPE must be specified. If the SELLER is not the Primary Provider, REQUEST_TYPE must be one of RESALE, FULL_TRANSFER, or PART_TRANSFER.

If the new request is modifying an existing transmission reservation, the Data Elements REQUEST_TYPE and RELATED_REF must be entered. RELATED_REF contains the ASSIGNMENT_REF for the transmission reservation being modified, and REQUEST_TYPE must be one of MATCHING, REDIRECT, DEFERRAL, RENEWAL, RELINQUISH, or a Primary Provider registered value.

Specification of a value YES in the PRECONFIRMED field authorizes the TSIP to automatically change the STATUS field in the ***transstatus*** Template to CONFIRMED when that request is ACCEPTED by the Seller.

Template: **transrequest**

1. **Input**

   CONTINUATION_FLAG
   SELLER_CODE (Primary or Reseller)
   SELLER_DUNS
   PATH_NAME
   POINT_OF_RECEIPT
   POINT_OF_DELIVERY
   SOURCE
   SINK
   CAPACITY_REQUESTED
   SERVICE_INCREMENT
   TS_CLASS
   TS_TYPE
   TS_PERIOD
   TS_WINDOW
   TS_SUBCLASS
   STATUS_NOTIFICATION
   START_TIME
   STOP_TIME
   BID_PRICE
   PRECONFIRMED
   ANC_SVC_LINK
   POSTING_REF (Optionally set by Customer)
   SALE_REF (Optionally set by Customer)
   REQUEST_REF (Optionally set by Customer)
   DEAL_REF (Optionally set by Customer)
   CUSTOMER_COMMENTS
   REQUEST_TYPE (Required for request changes)
   RELATED_REF (Required for request changes)

2. **Response** (acknowledgment)

   RECORD_STATUS
   CONTINUATION_FLAG
   ASSIGNMENT_REF (assigned by TSIP)
   SELLER_CODE
   SELLER_DUNS
   PATH_NAME
   POINT_OF_RECEIPT

POINT_OF_DELIVERY
SOURCE
SINK
CAPACITY_REQUESTED
SERVICE_INCREMENT
TS_CLASS
TS_TYPE
TS_PERIOD
TS_WINDOW
TS_SUBCLASS
STATUS_NOTIFICATION
START_TIME
STOP_TIME
BID_PRICE
PRECONFIRMED
ANC_SVC_LINK
POSTING_REF
SALE_REF
REQUEST_REF
DEAL_REF
CUSTOMER_COMMENTS
REQUEST_TYPE
RELATED_REF
ERROR_MESSAGE

002-4.3.6.2 Status of Customer Purchase Request (transstatus)

The **Status of Customer Purchase Request** (***transstatus***) is provided upon the request of any Customer or Provider to indicate the current status of one or more reservation records. Users may also view any transaction's status. However, the SOURCE and SINK may be masked for User requests until Transmission Providers must make source and sink information available at the time the request status posting is updated to show that a transmission request is confirmed.

Continuation records may be returned in association with a transmission reservation to convey information regarding: 1) sale or assignment of transmission rights on the secondary market (reassignments), 2) profiled requests, or 3) service over multiple paths Each continuation record associated with a transmission reservation shall be identified by the CONTINUATION_FLAG Data Element set to 'Y' and include the ASSIGNMENT_REF Data Element.

When a transmission reservation request acquires its rights to transmission service as the result of a sale or assignment of transmission rights on the secondary market, the identity of the original reservation, capacity, and time interval over which rights are assigned to the new reservation are defined by the Data Elements REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME. These Data Elements will be returned in continuation records when more than one set of reassignment information is associated with a reservation.

If the transmission reservation has an associated profile, either as a result of the Transmission Ccustomer's submission of CAPACITY_REQUESTED and/or BID_PRICE varying over time (support for Customer reservation profiles is at the discretion of the Provider~~) or due to~~), or, the Seller's ~~the Provider offering partial service specifying a~~ set of data elements for ~~BID_START_TIME, BID_STOP_TIME, BID_~~CAPACITY_GRANTED ~~varying over time, then CAPACITY_GRANTED, CAPACITY_REQUESTED, START_TIME and STOP_TIME for~~ and BID_PRICE ~~will be returned in~~ the segments of the profile ~~will be returned in~~ response as ~~continuation records. If the Provider supports negotiation of price on each segment of a Customer profiled request, BID_PRICE and OFFER_PRICE will also be returned with CAPACITY_REQUESTED, CAPACITY_GRANTED, START_TIME and STOP_TIME for each segment of the bid profile. If the transmission reservation has an associated profile as a result of the Provider's~~ offering of partial service or negotiation of price, the set of data elements for ~~OFFER_~~START_TIME, ~~OFFER_~~STOP_TIME, ~~OFFER~~ CAPACITY REQUESTED, BID_PRICE, CAPACITY GRANTED, OFFER_PRICE and ~~BID~~CEILING_PRICE ~~and OFFER_PRICE~~ will be returned in continuation records for each segment of the ~~offer~~request/reservation profile.

If the Provider supports reservations submitted on multiple paths, continuation records specifying PATH_NAME, POINT_OF_RECEIPT, and POINT_OF_DELIVERY associated with the reservation would be returned in continuation records.

The AFFILIATE_FLAG will be set by the TSIP to indicate whether or not the Customer is an affiliate of the Primary Provider. The NEGOTIATED_PRICE_FLAG will be set by the TSIP to indicate whether the OFFER_PRICE is higher, lower, or the same as the BID_PRICE. Any time that a confirmed transmission reservation's rights to schedule up to the amount of CAPACITY_GRANTED is reduced, either due to secondary market sales, partial displacements, Provider initiated "recalls" of capacity, etc., the IMPACTED Data Element shall be incremented. Specific information regarding the MW level and reason for reduction in reserved capacity is viewable using the *reduction* Template.

The PRIMARY_PROVIDER_APPROVAL data element is set by the Primary Provider to indicate their approval of TRANSFER requests. In all other types of transmission requests, this element will be null.

If applicable, any limitations to renewal/rollover rights associated with a confirmed reservation are documented in the ROLLOVER_xxx Data Elements. If limitations on rollover rights vary over time, the set of data elements ROLLOVER_START, ROLLOVER_STOP, and ROLLOVER_CAPACITY will be returned in continuation records.

The REASSESSMENT_DUE_TIME and RENEWAL_DUE_TIME Data Elements indicate the deadline when the Primary Provider may exercise their right to review conditions associated with granted long-term service with a Conditional Curtailment Option and the deadline for Customer submission of a renewal request to exercise their on-going rollover rights respectively.

Template: **transstatus**

1. **Query**

SELLER_CODE*
SELLER_DUNS*
CUSTOMER_CODE*
CUSTOMER_DUNS*
PATH_NAME*
POINT_OF_RECEIPT*
POINT_OF_DELIVERY*
SERVICE_INCREMENT*
TS_CLASS*
TS_TYPE*
TS_PERIOD*
TS_WINDOW*
TS_SUBCLASS*
STATUS*
START_TIME (Beginning time of service)
STOP_TIME
START_TIME_QUEUED (Beginning time queue)
STOP_TIME_QUEUED
NEGOTIATED_PRICE_FLAG
ASSIGNMENT_REF
REASSIGNED_REF
RELATED_REF
SALE_REF
REQUEST_REF
DEAL_REF
COMPETING_REQUEST_FLAG
TIME_OF_LAST_UPDATE

2. **Response**

CONTINUATION_FLAG
ASSIGNMENT_REF
SELLER_CODE
SELLER_DUNS
CUSTOMER_CODE
CUSTOMER_DUNS
AFFILIATE_FLAG (Set by TSIP)
PATH_NAME
POINT_OF_RECEIPT
POINT_OF_DELIVERY
SOURCE
SINK
CAPACITY_REQUESTED
CAPACITY_GRANTED
SERVICE_INCREMENT
TS_CLASS
TS_TYPE
TS_PERIOD
TS_WINDOW

TS_SUBCLASS
NERC_CURTAILMENT_PRIORITY
OTHER_CURTAILMENT_PRIORITY
START_TIME
STOP_TIME
CEILING_PRICE
OFFER_PRICE
BID_PRICE
PRICE_UNITS
PRECONFIRMED
ANC_SVC_LINK
ANC_SVC_REQ
POSTING_REF
SALE_REF
REQUEST_REF
DEAL_REF
IMPACTED (Greater than 0, if another reservation impacts this reservation)
COMPETING_REQUEST_FLAG
REQUEST_TYPE
RELATED_REF
NEGOTIATED_PRICE_FLAG ("L" if Seller accepted Price is lower than OFFER_PRICE in *transoffering* Template; "H" if higher; otherwise blank)
STATUS
STATUS_NOTIFICATION
STATUS_COMMENTS
TIME_QUEUED
RESPONSE_TIME_LIMIT
TIME_OF_LAST_UPDATE
PRIMARY_PROVIDER_COMMENTS
SELLER_REF
SELLER_COMMENTS
CUSTOMER_COMMENTS
SELLER_NAME
SELLER_PHONE
SELLER_FAX
SELLER_EMAIL
CUSTOMER_NAME
CUSTOMER_PHONE
CUSTOMER_FAX
CUSTOMER_EMAIL
REASSIGNED_REF
REASSIGNED_CAPACITY (Capacity from each previous transaction)
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME
PRIMARY_PROVIDER_APPROVAL
PRIMARY PROVIDER CONDITIONS

REASSESSMENT_DUE_TIME
RENEWAL_DUE_TIME
ROLLOVER_START_TIME
ROLLOVER_STOP_TIME

ROLLOVER_CAPACITY

002-4.3.6.3 Seller Approval of Purchase (transsell)

Seller Approval of Purchase (Input) (***transsell***) is input by a Seller to modify the status and queue of a request by a Customer. The Transmission Provider may, but is not obligated, to use this template to act on a transmission service request.

The following fields may be submitted in continuation records for the transsell Template to convey transmission rights from multiple original transmission reservations to this new reservation: REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME. Use of continuation records is only supported when using the CSV format upload of Template data.

If the Provider/Seller cannot accommodate the Customer's ~~BID_~~CAPACITY_REQUESTED and is obligated or elects to offer the Customer partial service that varies over the total period of the reservation~~, CAPACITY_GRANTED, START_TIME and STOP_TIME Data Elements may be repeated in continuation records.~~

~~If~~ or the Provider/Seller supports the negotiation of price on individual segments of a profiled reservation request (support for reservation profiles is at the discretion of the Provider), the set of data elements ~~OFFER_~~START_TIME, ~~OFFER_~~STOP_TIME, CAPACITY_GRANTED~~OFFER_CAPACITY~~, and OFFER_PRICE~~, START_TIME and STOP_TIME Data Elements~~ must be specified and may be ~~submitted~~repeated in continuation records~~ to modify the Seller's offer price associated with the profile segment(s) corresponding to START_TIME and STOP_TIME. OFFER_PRICE associated with each segment of a profiled request must match the corresponding BID_PRICE for the reservation request's STATUS to be set to ACCEPTED~~.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request. The SELLER_REF Data Element may be set by the SELLER to a seller specific internal tracking number.

If the reservation is subject to the right of first refusal pending a status change to Displaced, the COMPETING_REQUEST_FLAG shall be set to Y, and SELLER_COMMENTS shall be updated with a reference to the competing request's ASSIGNMENT_REF. If the reservation is subject to the right of first refusal pending a status change to Superseded, the COMPETING_REQUEST_FLAG shall be set to Y, the OFFER_PRICE shall be updated, the SELLER_COMMENTS shall be updated with a reference to the competing requests ASSIGNMENT_REF, and the STATUS shall be set to COUNTEROFFER. Once the disposition of the request is finalized, the COMPETING_REQUEST_FLAG shall be reset to N and any appropriate status change shall be made.

~~The Seller may accept a reservation only when the BID_PRICE and the OFFER_PRICE are the same.~~

OASIS shall allow the Seller to set the transmission service request's STATUS to ACCEPTED only when the CAPACITY_REQUESTED and BID_PRICE

match the corresponding CAPACITY_GRANTED and OFFER_PRICE ~~each of the OFFER_START_TIME, OFFER_STOP_TIME, OFFER_CAPACITY and OFFER_PRICE data elements exactly match the corresponding BID_START_TIME, BID_STOP_TIME, BID_CAPACITY, and BID_PRICE~~ data elements over the START_TIME and STOP_TIME of the request.

With the exception for REQUEST TYPEs of PART TRANSFER or FULL TRANSFER, OASIS shall set a pre-confirmed transmission service request to CONFIRMED when the Provider/Seller sets the request's STATUS to ACCEPTED. PART TRANSFER and FULL TRANSFER requests require that both STATUS beset to ACCEPTED and PRIMARY_PROVIDER_APPROVAL be set to the value of Y prior to OASIS moving the STATUS to CONFIRMED.

If the service requested is subject to specific non-conforming conditions for service, e.g., Conditional Curtailment Option for long-term Firm service, and those conditions are subject to review and renegotiation by the Primary Provider, the time when such a reassessment may be preformed is identified in the REASSESSMENT_DUE_TIME. A hyperlink to the binding agreement specifying the pertinent terms and conditions of service shall be identified in the PRIMARY_PROVIDER_CONDITIONS Data Element.

The deadline for submitting a RENEWAL request to exercise rollover rights shall be captured in the RENEWAL_DUE_TIME data element. If applicable, any limitations to renewal/rollover rights associated with a confirmed reservation are documented in one or more sets of ROLLOVER_START_TIME, ROLLOVER_STOP_TIME, and ROLLOVER_CAPACITY data elements.

If this template is submitted by the Provider, and the Provider is not listed as the SELLER in the request, the Provider may only submit non-null values for the CONTINATION_RECORD, ASSIGNMENT_REF, PRIMARY_PROVIDER_APPROVAL, PRIMARY_PROVIDER_COMMENTS, RENEWAL_DUE_TIME, ROLLOVER_START_TIME, ROLLOVER_STOP_TIME, and ROLLOVER_CAPACITY data elements; all other template data elements must be null.

If this template is submitted by the Seller that is not the Primary Provider, the PRIMARY_PROVIDER_APPROVAL, PRIMARY_PROVIDER_COMMENTS, PRIMARY_PROVIDER_CONDITIONS, REASSESSMENT_DUE_TIME, RENEWAL_DUE_TIME, ROLLOVER_START_TIME, ROLLOVER_STOP_TIME, and ROLLOVER_CAPACITY data elements must be null.

Template: **transsell**

1. **Input**

   CONTINUATION_FLAG
   ASSIGNMENT_REF (Required)
   START_TIME
   STOP_TIME
   OFFER_PRICE

CAPACITY_GRANTED
STATUS
STATUS_COMMENTS
ANC_SVC_LINK
ANC_SVC_REQ
COMPETING_REQUEST_FLAG
NEGOTIATED_PRICE_FLAG
SELLER_REF
SELLER_COMMENTS
RESPONSE_TIME_LIMIT
REASSIGNED_REF
REASSIGNED_CAPACITY (Previous capacity to be reassigned)
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME
PRIMARY_PROVIDER_APPROVAL
PRIMARY_PROVIDER_COMMENTS
PRIMARY_PROVIDER_CONDITIONS
~~PRIMARY_PROVIDER_COMMENTS~~
REASSESSMENT_DUE_TIME
RENEWAL_DUE_TIME
ROLLOVER_START_TIME
ROLLOVER_STOP_TIME
ROLLOVER_CAPACITY

2. **Response**

RECORD_STATUS
CONTINUATION_FLAG
ASSIGNMENT_REF
START_TIME
STOP_TIME
OFFER_PRICE
CAPACITY_GRANTED
STATUS
STATUS_COMMENTS
ANC_SVC_LINK
ANC_SVC_REQ
COMPETING_REQUEST_FLAG
NEGOTIATED_PRICE_FLAG
SELLER_REF
SELLER_COMMENTS
RESPONSE_TIME_LIMIT
REASSIGNED_REF
REASSIGNED_CAPACITY (Previous capacity to be reassigned)
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME
PRIMARY_PROVIDER_APPROVAL
PRIMARY_PROVIDER_COMMENTS
PRIMARY_PROVIDER_CONDITIONS
REASSESSMENT_DUE_TIME
RENEWAL_DUE_TIME
ROLLOVER_START_TIME

ROLLOVER_STOP_TIME
ROLLOVER_CAPACITY
~~PRIMARY_PROVIDER_APPROVAL~~
~~PRIMARY_PROVIDER_COMMENTS~~
~~PRIMARY_PROVIDER_CONDITIONS~~
~~REASSESSMENT_DUE_TIME~~
~~RENEWAL_DUE_TIME~~
~~ROLLOVER_CAPACITY~~
~~ROLLOVER_START_TIME~~
~~ROLLOVER_STOP_TIME~~
ERROR_MESSAGE

002-4.3.6.4 Customer Confirmation of Purchase (Input) (transcust)

Customer Confirmation of Purchase (Input) (***transcust***) is input by the Customer to state his agreement or withdrawal of a purchase after the Seller has indicated that the purchase request is approved. ~~Only the BID_PRICE, STATUS, STATUS_COMMENTS, ANC_SVC_LINK, and CUSTOMER_COMMENTS Data Elements can be modified in this Template~~Only those Data Elements specified in this Template with the exception of ASSIGNMENT_REF can be modified by the Customer.

~~The PRECONFIRMED Data Element may only be set to a value of 'Y' using this Template. Once the Customer has set PRECONFIRMED to 'Y', either on the original submission of the ***transrequest*** Template or via this Template, its value cannot be reset to 'N'.~~

CUSTOMER_CODE and CUSTOMER_DUNS shall be determined from the registered connection used to input the request.

~~The Customer must change the BID_PRICE to be equal to the OFFER_PRICE before the reservation request's STATUS can be set to CONFIRMED.~~

If the Provider/Seller supports the negotiation of price and/or capacity on individual segments of a profiled reservation request (support for reservation profiles is at the discretion of the Provider), ~~BID_PRICE,~~ START_TIME ~~and~~, STOP_TIME, ~~BID_CAPACITY~~CAPACITY_REQUESTED, and BID_PRICE Data Elements may be submitted in continuation records to modify the Customer's bid price and/or capacity associated with ~~the~~ each profile segment(s) ~~corresponding to START_TIME and STOP_TIME. BID_PRICE associated with each segment of a profiled request must match the corresponding OFFER_PRICE for the reservation request's STATUS to be set to CONFIRMED~~.

OASIS shall allow the Customer to set the transmission service request's STATUS to CONFIRMED only when the CAPACITY_REQUESTED and BID_PRICE match the corresponding CAPACITY_GRANTED and OFFER_PRICE ~~each of the BID_START_TIME, BID_STOP_TIME, BID_CAPACITY, and BID_PRICE data elements exactly match the corresponding OFFER_START_TIME, OFFER_STOP_TIME, OFFER_CAPACITY and OFFER_PRICE~~ data elements over the START_TIME and STOP_TIME of the request..

Template: **transcust**

1. **Input**

   CONTINUATION_FLAG
   ASSIGNMENT_REF (Required)
   START_TIME
   STOP_TIME
   REQUEST_REF
   DEAL_REF
   BID_PRICE
   ~~PRECONFIRMED~~
   STATUS
   STATUS_COMMENTS
   ANC_SVC_LINK
   STATUS_NOTIFICATION If left blank, then original URL from the *transrequest* will be used
   CUSTOMER_COMMENTS
   CAPACITY_REQUESTED

2. **Response**

   RECORD_STATUS
   CONTINUATION_FLAG
   ASSIGNMENT_REF
   START_TIME
   STOP_TIME
   REQUEST_REF
   DEAL_REF
   BID_PRICE
   ~~PRECONFIRMED~~
   STATUS
   STATUS_COMMENTS
   ANC_SVC_LINK
   STATUS_NOTIFICATION
   CUSTOMER_COMMENTS
   CAPACITY_REQUESTED
   ERROR_MESSAGE

002-4.3.6.5 Seller to Reassign Service Rights to Another Customer (transassign)

Seller to Reassign Service Rights to Another Customer (Input) (***transassign***) is used by the seller to ask the Transmission Services Information Provider to reassign some or all of the seller's rights to Services to another Customer, for seller confirmed transactions that have occurred off the OASIS Node. ~~The TSIP shall assign a unique ASSIGNMENT_REF in the response (acknowledgment) and enter the status CONFIRMED as viewed in the ***transstatus*** Template. SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.~~ This template may also be used by the Provider or the Seller to post a RECALL of capacity from the reservation identified by ASSIGNMENT_REF.

~~Only the following fields may be redefined in a continuation record for the ***transassign*** input Template: CAPACITY_REQUESTED, CAPACITY_GRANTED, START_TIME, STOP_TIME, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME. The REQUEST_TYPE of "RESALE" is implied through execution of this Template~~REQUEST_TYPE is limited to the following values in the ***transassign*** template: RESALE, PART_TRANSFER, FULL_TRANSFER and RECALL.

The TSIP shall assign a unique ASSIGNMENT_REF in response (acknowledgment) to executing this template.

For REQUEST_TYPEs of RESALE and RECALL, OASIS shall also set STATUS to CONFIRMED. For REQUEST_TYPEs of PART_TRANSFER and FULL_TRANSFER, OASIS shall set PRECONFIRMED to YES, STATUS to ACCEPTED and PRIMARY_PROVIDER_APPROVAL to null.

For REQUEST_TYPE of RECALL, RELATED_REF must be specified and identify the OASIS reservation subject to the recall action.

Only the following data elements may be specified in continuation records for the ***transassign*** input Template: ~~BID_~~START_TIME, ~~BID_~~STOP_TIME, ~~BID_~~CAPACITY_REQUESTED, ~~BID_PRICE,~~CAPACITY_GRANTED and OFFER_PRICE for profiled requests ~~OFFER_START_TIME, OFFER_STOP_TIME, OFFER_CAPACITY, and OFFER_PRICE,~~ and REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME for RESALE, PART_TRANSFER and FULL_TRANSFER requests. BID_PRICE shall assume the value specified in OFFER_PRICE.

Template: **transassign**

1. **Input**

   CONTINUATION_FLAG
   CUSTOMER_CODE
   CUSTOMER_DUNS
   ~~REQUEST_TYPE~~
   PATH_NAME
   POINT_OF_RECEIPT
   POINT_OF_DELIVERY
   SOURCE
   SINK
   CAPACITY_REQUESTED
   CAPACITY_GRANTED
   SERVICE_INCREMENT
   TS_CLASS
   TS_TYPE
   TS_PERIOD
   TS_WINDOW
   TS_SUBCLASS
   START_TIME
   STOP_TIME

OFFER_PRICE
ANC_SVC_LINK (optional: filled in if assignment is different than original transmission reservation)
POSTING_NAME
REASSIGNED_REF
REASSIGNED_CAPACITY (Capacity being sold from each previous assignment)
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME
SELLER_COMMENTS
SELLER_REF
REQUEST_TYPE
RELATED_REF

2. **Response (acknowledgment)**

RECORD_STATUS
CONTINUATION_FLAG
ASSIGNMENT_REF (assigned by TSIP)
CUSTOMER_CODE
CUSTOMER_DUNS
PATH_NAME
POINT_OF_RECEIPT
POINT_OF_DELIVERY
SOURCE
SINK
CAPACITY_REQUESTED
CAPACITY_GRANTED (Total capacity being reassigned)
SERVICE_INCREMENT
TS_CLASS
TS_TYPE
TS_PERIOD
TS_WINDOW
TS_SUBCLASS
START_TIME
STOP_TIME
OFFER_PRICE
ANC_SVC_LINK
POSTING_NAME
REASSIGNED_REF
REASSIGNED_CAPACITY (Capacity being sold from each previous assignment)
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME
SELLER_COMMENTS
SELLER_REF
REQUEST_TYPE
RELATED_REF
ERROR_MESSAGE

002-4.3.7 Seller Posting of Transmission Services

Sellers shall use the following Templates for providing sell information. They may aggregate portions of several previous purchases to create a new service, if this capability is provided by the Transmission Services Information Provider:

002-4.3.7.1 Seller Capacity Posting (transpost)

Seller Capacity Posting (Input) (***transpost***) shall be used by the Seller to post the transmission capacity for resale on to the OASIS Node.

OFFER_INCREMENT is set by the Seller to indicate the increment of service the Seller will accept in a purchase request, e.g. DAILY, WEEKLY, etc. The transmission attributes of SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS indicate the actual transmission rights held by the Seller on the Primary Provider's system. If a value for OFFER_INCREMENT is not supplied, OFFER_INCREMENT shall default to SERVICE_INCREMENT.

If this template is used by the Primary Provider to post offerings for transmission service, OFFER_INCREMENT shall be required to be identical to SERVICE_INCREMENT.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Template: **transpost**

1. **Input**

   PATH_NAME
   POINT_OF_RECEIPT
   POINT_OF_DELIVERY
   INTERFACE_TYPE
   CAPACITY
   SERVICE_INCREMENT
   TS_CLASS
   TS_TYPE
   TS_PERIOD
   TS_WINDOW
   TS_SUBCLASS
   ANC_SVC_REQ
   START_TIME
   STOP_TIME
   OFFER_START_TIME
   OFFER_STOP_TIME
   SALE_REF
   OFFER_PRICE
   SERVICE_DESCRIPTION
   SELLER_COMMENTS
   OFFER_INCREMENT

2. **Response** (Acknowledgment)

RECORD_STATUS
POSTING_REF (Assigned by TSIP)
PATH_NAME
POINT_OF_RECEIPT
POINT_OF_DELIVERY
INTERFACE_TYPE
CAPACITY
SERVICE_INCREMENT
TS_CLASS
TS_TYPE
TS_PERIOD
TS_WINDOW
TS_SUBCLASS
ANC_SVC_REQ
START_TIME
STOP_TIME
OFFER_START_TIME
OFFER_STOP_TIME
SALE_REF
OFFER_PRICE
SERVICE_DESCRIPTION
SELLER_COMMENTS
OFFER_INCREMENT

ERROR_MESSAGE

002-4.3.7.2 Seller Capacity Modify (transupdate)

Seller Capacity Modify (Input) (***transupdate***) shall be used by a Seller to modify a posting of transmission capacity.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

If this template is used by the Primary Provider to update posted offerings for transmission service, OFFER_INCREMENT shall be required to be identical to SERVICE_INCREMENT.

Template: **transupdate**

1. **Input**

   POSTING_REF (Must be provided)
   CAPACITY (only if modified)
   START_TIME (only if modified)
   STOP_TIME (only if modified)
   OFFER_START_TIME (only if modified)
   OFFER_STOP_TIME (only if modified)
   ANC_SVC_REQ (only if modified)
   SALE_REF (only if modified)
   OFFER_PRICE (only if modified)
   SERVICE_DESCRIPTION (only if modified)

SELLER_COMMENTS (only if modified)
OFFER_INCREMENT (only if modified)

2. **Response** (acknowledgment)

RECORD_STATUS
POSTING_REF
CAPACITY
START_TIME
STOP_TIME
OFFER_START_TIME
OFFER_STOP_TIME
ANC_SVC_REQ

SALE_REF
OFFER_PRICE
SERVICE_DESCRIPTION
SELLER_COMMENTS
OFFER_INCREMENT
ERROR_MESSAGE

002-4.3.8 Purchase of Ancillary Services

002-4.3.8.1 Customer Requests to Purchase Ancillary Services (ancrequest)

Customer Requests to Purchase Ancillary Services (***ancrequest***) (Input, Template Upload) is used by the customer to request ancillary services that have been posted by a seller of those services. The response simply acknowledges that the Customer's request was received by the OASIS Node. It does not imply that the Seller has received the request. The same requirements exist for the use of STATUS_NOTIFICATION as for ***transrequest***. Submitting values into the reference Data Elements is optional.

CUSTOMER_CODE and CUSTOMER_DUNS shall be determined from the registered connection used to input the request.

Supporting "profiles" of ancillary service, which request different capacities (and optionally price) for different time periods within a single request, is at the discretion of the Primary Provider. Continuation records may be used to indicate requests for these service profiles. Each segment of a profile is represented by the Data Elements CAPACITY, START_TIME, and STOP_TIME, which define the intervals in time over which a non-zero MW demand is being requested. The initial segment of a profile is defined by the CAPACITY, START_TIME and STOP_TIME Data Elements specified in the first/only record submitted; subsequent segments are specified in continuation records each containing the appropriate CAPACITY, START_TIME and STOP_TIME values defining the segment. Provider's may optionally support price negotiation on segments of a profiled reservation request. In this case, the BID_PRICE Data Element is also included in each continuation record. If the BID_PRICE Data Element is not specified in the continuation records, the BID_PRICE specified in the first/only record submitted will be applied to the entire reservation request.

The START_TIME and STOP_TIME indicate the requested period of service.

When the request is received at the OASIS Node, the TSIP assigns a unique ASSIGNMENT_REF value and queues the request with a time stamp. The STATUS for the request is QUEUED.

Specification of a value YES in the PRECONFIRMED field authorizes the TSIP to automatically change the STATUS field in the ***ancstatus*** Template to CONFIRMED when that request is ACCEPTED by the Seller.

Template: **ancrequest**

1. **Input**

   CONTINUATION_FLAG
   SELLER_CODE
   SELLER_DUNS
   CONTROL_AREA
   ANC_SERVICE_POINT
   CAPACITY
   SERVICE_INCREMENT
   AS_TYPE
   STATUS_NOTIFICATION
   START_TIME
   STOP_TIME
   BID_PRICE
   PRECONFIRMED
   POSTING_REF (Optionally set by Customer)
   SALE_REF (Optionally set by Customer)
   REQUEST_REF (Optionally set by Customer)
   DEAL_REF (Optionally set by Customer)
   CUSTOMER_COMMENTS

2. **Response** (acknowledgment)

   RECORD_STATUS
   CONTINUATION_FLAG
   ASSIGNMENT_REF (assigned by TSIP)
   SELLER_CODE
   SELLER_DUNS
   CONTROL_AREA
   ANC_SERVICE_POINT
   CAPACITY
   SERVICE_INCREMENT
   AS_TYPE
   STATUS_NOTIFICATION
   START_TIME
   STOP_TIME
   BID_PRICE
   PRECONFIRMED
   POSTING_REF
   SALE_REF

REQUEST_REF
DEAL_REF
CUSTOMER_COMMENTS
ERROR_MESSAGE

002-4.3.8.2 Ancillary Services Status (ancstatus)

Ancillary Services Status (***ancstatus***) is used to provide the status of purchase requests regarding the ancillary services that are available for sale by all Service Providers. Continuation records may be returned in association with a ancillary services reservation to convey information regarding: 1) sale or assignment of ancillary rights on the secondary market (reassignments), or 2) profiled requests. When an ancillary reservation request is the result of a sale or assignment of transmission or ancillary rights on the secondary market, the identity of the original reservation, capacity, and time interval over which rights are assigned to the new reservation are defined by the Data Elements REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME. These Data Elements will be returned in continuation records when more than one set of reassignment information is associated with a reservation. If the reservation has an associated profile (support for reservation profiles is at the discretion of the Provider), CAPACITY, START_TIME and STOP_TIME for the segments of the profile will be returned in continuation records. If the Provider supports negotiation of price on each segment of a profiled request, BID_PRICE and OFFER_PRICE will also be returned with CAPACITY, START_TIME and STOP_TIME.

The AFFILIATE_FLAG will be set by the TSIP to indicate whether or not the Customer is an affiliate of the Seller.

The values of STATUS and processes for setting STATUS are the same as for ***transstatus***.

Template: **ancstatus**

1. **Query**

   SELLER_CODE*
   SELLER_DUNS*
   CUSTOMER_CODE*
   CUSTOMER_DUNS*
   CONTROL_AREA
   ANC_SERVICE_POINT
   SERVICE_INCREMENT
   AS_TYPE
   STATUS
   START_TIME
   STOP_TIME
   START_TIME_QUEUED
   STOP_TIME_QUEUED
   NEGOTIATED_PRICE_FLAG
   ASSIGNMENT_REF
   REASSIGNED_REF

SALE_REF
REQUEST_REF
DEAL_REF
TIME_OF_LAST_UPDATE (only if TIME_OF_LAST_UPDATE is posted by record)

2. **Response**

CONTINUATION_FLAG
ASSIGNMENT_REF
SELLER_CODE
SELLER_DUNS
CUSTOMER_CODE
CUSTOMER_DUNS
AFFILIATE_FLAG (Set by TSIP)
CONTROL_AREA
ANC_SERVICE_POINT
CAPACITY
SERVICE_INCREMENT
AS_TYPE
START_TIME
STOP_TIME
CEILING_PRICE
OFFER_PRICE
BID_PRICE
PRICE_UNITS
PRECONFIRMED
POSTING_REF
SALE_REF
REQUEST_REF
DEAL_REF
NEGOTIATED_PRICE_FLAG ("L" if Seller accepted Price is lower than OFFER_PRICE in *ancoffering* Template; "H" if higher; otherwise blank)
STATUS
STATUS_NOTIFICATION
STATUS_COMMENTS
TIME_QUEUED
RESPONSE_TIME_LIMIT
TIME_OF_LAST_UPDATE
PRIMARY_PROVIDER_COMMENTS
SELLER_COMMENTS
CUSTOMER_COMMENTS
SELLER_NAME
SELLER_PHONE
SELLER_FAX
SELLER_EMAIL
CUSTOMER_NAME
CUSTOMER_PHONE
CUSTOMER_FAX
CUSTOMER_EMAIL
REASSIGNED_REF
REASSIGNED_CAPACITY
REASSIGNED_START_TIME

REASSIGNED_STOP_TIME

002-4.3.8.3 Seller Approves Ancillary Service (ancsell)

Seller Approves Ancillary Service (***ancsell***) is used by the Seller to confirm acceptance after the Seller has approved the purchase of ancillary service.

The following fields may be submitted in continuation records for the ancsell Template to convey ancillary rights from multiple original ancillary service reservations to this new reservation: REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME. If the Provider/Seller supports the negotiation of price on individual segments of a profiled reservation request (support for reservation profiles is at the discretion of the Provider), OFFER_PRICE, START_TIME and STOP_TIME Data Elements may be submitted in continuation records to modify the Seller's offer price associated with the profile segment(s) corresponding to START_TIME and STOP_TIME. OFFER_PRICE associated with each segment of a profiled request must match the corresponding BID_PRICE for the reservation request's STATUS to be set to ACCEPTED.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Template: **ancsell**

1. **Input**

   CONTINUATION_FLAG
   ASSIGNMENT_REF (Required)
   START_TIME
   STOP_TIME
   OFFER_PRICE
   STATUS
   STATUS_COMMENTS
   NEGOTIATED_PRICE_FLAG
   RESPONSE_TIME_LIMIT
   SELLER_COMMENTS
   REASSIGNED_REF
   REASSIGNED_CAPACITY
   REASSIGNED_START_TIME
   REASSIGNED_STOP_TIME

2. **Response** (acknowledgment)

   RECORD_STATUS
   CONTINUATION_FLAG
   ASSIGNMENT_REF
   START_TIME
   STOP_TIME
   OFFER_PRICE
   STATUS
   STATUS_COMMENTS

NEGOTIATED_PRICE_FLAG
RESPONSE_TIME_LIMIT
SELLER_COMMENTS
REASSIGNED_REF
REASSIGNED_CAPACITY
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME
ERROR_MESSAGE

002-4.3.8.4 Customer accepts Ancillary Service (anccust)

Customer accepts Ancillary Service (***anccust)*** is used by the customer to confirm acceptance after the seller has approved the purchase of ancillary service.

The Customer must change the BID_PRICE to be equal to the OFFER_PRICE before the reservation request's STATUS can be set to CONFIRMED. If the Provider/Seller supports the negotiation of price on individual segments of a profiled reservation request (support for reservation profiles is at the discretion of the Provider), BID_PRICE, START_TIME and STOP_TIME Data Elements may be submitted in continuation records to modify the Customer's bid price associated with the profile segment(s) corresponding to START_TIME and STOP_TIME. BID_PRICE associated with each segment of a profiled request must match the corresponding OFFER_PRICE for the reservation request's STATUS to be set to CONFIRMED.

CUSTOMER_CODE and CUSTOMER_DUNS shall be determined from the registered connection used to input the request.

Template: **anccust**

1. **Input**

   CONTINUATION_FLAG
   ASSIGNMENT_REF (Required)
   START_TIME
   STOP_TIME
   REQUEST_REF
   DEAL_REF
   BID_PRICE
   ~~PRECONFIRMED~~
   STATUS
   STATUS_COMMENTS
   STATUS_NOTIFICATION (If left blank, then the original URL from the ancrequest will be used
   CUSTOMER_COMMENTS

2. **Response** (Acknowledgment)

   RECORD_STATUS
   CONTINUATION_FLAG
   ASSIGNMENT_REF
   START_TIME

STOP_TIME
REQUEST_REF
DEAL_REF
BID_PRICE
~~PRECONFIRMED~~
STATUS
STATUS_COMMENTS
STATUS_NOTIFICATION
CUSTOMER_COMMENTS
ERROR_MESSAGE

002-4.3.8.5 Seller to Reassign Service Rights to Another Customer (ancassign)

Seller to Reassign Service Rights to Another Customer (Input) (***ancassign***) is used by the seller to ask the Transmission Services Information Provider to reassign some or all of the seller's rights to Services to another Customer, for seller confirmed transactions that have occurred off the OASIS Node.

Implementation of this Template is optional until such time that a business case requiring the use of such a facility to selectively reassign ancillary services is clearly demonstrated.

The TSIP shall assign a unique ASSIGNMENT_REF in the response (acknowledgment) and enter the status CONFIRMED as viewed in the ***ancstatus*** Template.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Only the following fields may be redefined in a continuation record for the ***ancassign*** input Template: CAPACITY, START_TIME, STOP_TIME, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Template: **ancassign**

1. **Input**

   CONTINUATION_FLAG
   CUSTOMER_CODE
   CUSTOMER_DUNS
   CONTROL_AREA
   ANC_SERVICE_POINT
   CAPACITY
   SERVICE_INCREMENT
   AS_TYPE
   START_TIME
   STOP_TIME
   OFFER_PRICE
   POSTING_NAME

REASSIGNED_REF
REASSIGNED_CAPACITY (Capacity being sold from each previous assignment)
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME
SELLER_COMMENTS

2. **Response (acknowledgment)**

RECORD_STATUS
CONTINUATION_FLAG
ASSIGNMENT_REF (assigned by TSIP)
CUSTOMER_CODE
CUSTOMER_DUNS
CONTROL_AREA
ANC_SERVICE_POINT
CAPACITY (Total capacity being reassigned)
SERVICE_INCREMENT
AS_TYPE
START_TIME
STOP_TIME
OFFER_PRICE
POSTING_NAME
REASSIGNED_REF
REASSIGNED_CAPACITY (Capacity being sold from each previous assignment)
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME
SELLER_COMMENTS
ERROR_MESSAGE

002-4.3.9 Seller Posting of Ancillary Services

002-4.3.9.1 Seller Ancillary Services Posting (ancpost)

Seller Ancillary Services Posting (***ancpost***) is used by the Seller to post information regarding the different services that are available for sale by third party Sellers of ancillary services.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Template: **ancpost**

1. **Input**

CONTROL_AREA
SERVICE_DESCRIPTION
CAPACITY
SERVICE_INCREMENT
AS_TYPE
START_TIME
STOP_TIME

OFFER_START_TIME
OFFER_STOP_TIME
SALE_REF
OFFER_PRICE
SELLER_COMMENTS

2. **Response** (acknowledgment)

RECORD_STATUS
POSTING_REF (Assigned by TSIP)
CONTROL_AREA
SERVICE_DESCRIPTION
CAPACITY
SERVICE_INCREMENT
AS_TYPE
START_TIME
STOP_TIME
OFFER_START_TIME
OFFER_STOP_TIME
SALE_REF
OFFER_PRICE
SELLER_COMMENTS
ERROR_MESSAGE

002-4.3.9.2 Seller Modify Ancillary Services Posting (ancupdate)

Seller Modify Ancillary Services Posting (***ancupdate***) is used by the Seller to modify posted information regarding ancillary services that are available for sale by a third party Seller.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Template: **ancupdate**

1. **Input**

POSTING_REF (Required)
CAPACITY (only if modified)
SERVICE_DESCRIPTION (only if modified)
START_TIME (only if modified)
STOP_TIME (only if modified)
OFFER_START_TIME (only if modified)
OFFER_STOP_TIME (only if modified)
SALE_REF (only if modified)
OFFER_PRICE (only if modified)
SELLER_COMMENTS (only if modified)

2. **Response (acknowledgment)**

RECORD_STATUS
POSTING_REF
CAPACITY

SERVICE_DESCRIPTION
START_TIME
STOP_TIME
OFFER_START_TIME
OFFER_STOP_TIME
SALE_REF
OFFER_PRICE
SELLER_COMMENTS
ERROR_MESSAGE

002-4.3.10 Informal Messages

002-4.3.10.1 Provider/Customer Want Ads and Informal Message Posting Request (messagepost)

Provider/Customer Want Ads and Informal Message Posting Request (***messagepost***) is used by Providers and Customers who wish to post a message. The valid entries for CATEGORY shall be defined by providers and shall be listed in the List of CATEGORY Template.

CUSTOMER_CODE and CUSTOMER_DUNS shall be determined from the registered connection used to input the request.

When the OASIS node is out of service and transmission requests are received by the TP by phone or fax then the CATEGORY=OASIS_MAINTENANCE_OUTAGE will be used to document the outage. The VALID_FROM_TIME will be the time the outage started and VALID_TO_TIME will be the time the outage ended. A list of all transactions that occurred during the outage and entered afterwards will be available through a query of the ***transstatus***Template using START_TIME_QUEUED=<VALID_FROM_TIME> and STOP_TIME_QUEUED=<VALID_TO_TIME>.

Template: **messagepost**

1. **Input**

   SUBJECT
   CATEGORY
   VALID_FROM_TIME
   VALID_TO_TIME
   MESSAGE (must be specified)

2. **Response** (acknowledgment)

   RECORD_STATUS
   POSTING_REF (assigned by information provider)
   SUBJECT
   CATEGORY
   VALID_FROM_TIME
   VALID_TO_TIME
   MESSAGE
   ERROR_MESSAGE

002-4.3.10.2 Message (message)

Message (***message***) is used to view a posted Want Ad or Informal Message. The CATEGORY Data Element can be queried.

Template: **message**

1. **Query**

   CUSTOMER_CODE
   CUSTOMER_DUNS
   POSTING_REF
   CATEGORY
   VALID_FROM_TIME
   VALID_TO_TIME
   TIME_POSTED

2. **Response**

   CUSTOMER_CODE
   CUSTOMER_DUNS
   POSTING_REF
   SUBJECT
   CATEGORY
   VALID_FROM_TIME
   VALID_TO_TIME
   TIME_POSTED
   CUSTOMER_NAME
   CUSTOMER_PHONE
   CUSTOMER_FAX
   CUSTOMER_EMAIL
   MESSAGE

002-4.3.10.3 Provider/Sellers Message Delete Request (messagedelete)

Provider/Sellers Message Delete Request (***messagedelete***) is used by Providers and Sellers who wish to delete their message. The POSTING_REF number is used to determine which message.

CUSTOMER_CODE and CUSTOMER_DUNS shall be determined from the registered connection used to input the request.

Template: **messagedelete**

1. **Input**

   POSTING_REF

2. **Response** (Acknowledgment)

   RECORD_STATUS

POSTING_REF
ERROR_MESSAGE

002-4.3.10.4 Personnel Transfers (personnel)

The ***personnel*** Template is used to indicate when personnel are transferred between the merchant function and the Transmission Provider function as required by Standards of Conduct WEQ 009 or applicable regulations.

Template: **personnel**

1. **Query**

   TIME_OF_LAST_UPDATE
   START_TIME_POSTED
   STOP_TIME_POSTED

2. **Response**

   POSTING_NAME
   EMPLOYEE_NAME
   FORMER_POSITION
   FORMER_COMPANY
   FORMER_DEPARTMENT
   NEW_POSITION
   NEW_COMPANY
   NEW_DEPARTMENT
   DATE_TIME_EFFECTIVE
   TIME_POSTED
   TIME_OF_LAST_UPDATE

002-4.3.10.5 Discretion (discretion)

The ***discretion*** Template is used to describe the circumstances when discretion was exercised in applying terms of the tariff, as described in the Standards of Conduct WEQ 009 or applicable regulations.

Template: **discretion**

1. **Query**

   START_TIME_POSTED
   STOP_TIME_POSTED
   START_TIME
   STOP_TIME
   SERVICE_TYPE
   SERVICE_NAME
   TIME_OF_LAST_UPDATE

2. **Response**

   POSTING_NAME

RESPONSIBLE_PARTY_NAME (name of person granting discretion)
SERVICE_TYPE (ancillary or transmission)
SERVICE_NAME (make consistent with offering Templates)
TARIFF_REFERENCE
START_TIME
STOP_TIME
DISCRETION_DESCRIPTION
TIME_POSTED
TIME_OF_LAST_UPDATE

002-4.3.10.6 Standards of Conduct (stdconduct)

The ***stdconduct*** Template indicates when information is disclosed in a manner contrary to the standards of conduct, as described in the Standards of Conduct WEQ 009 or applicable regulations.

Template: **stdconduct**

1. **Query**
   START_TIME_POSTED
   STOP_TIME_POSTED
   TIME_OF_LAST_UPDATE

2. **Response**

   POSTING_NAME
   RESPONSIBLE_PARTY_NAME
   STANDARDS_OF_CONDUCT_ISSUES
   TIME_POSTED
   TIME_OF_LAST_UPDATE

002-4.3.11 Audit Log

The OASIS audit log report facility shall be implemented by the definition of the following Templates:

transofferingaudit	- audit counterpart to ***transoffering***
ancofferingaudit	- audit counterpart to ***ancoffering***
scheduledetailaudit	- audit counterpart to ***scheduledetail***
securityaudit	- audit counterpart to ***security***
systemdataaudit	- audit counterpart to ***systemdata***
transstatusaudit	- audit counterpart to ***transstatus***
ancstatusaudit	- audit counterpart to ***ancstatus***
personnelaudit	- audit counterpart to ***personnel***
discretionaudit	- audit counterpart to ***discretion***
sdtdconductaudit	- audit counterpart to ***stdconduct***

Each of these audit Templates is an extension to the OASIS Template definitions of their non-audit counterparts. The requirements for implementation of the audit Templates is defined in the following sections.

002-4.3.11.1 Query Variables

Each of the audit Templates defined shall support exactly the same set of Query Variables as defined for their non-audit Template counterpart. As with the standard Template definitions, audit reports may be downloaded in Comma Separated Value (CSV) format by the specification of the OUTPUT_FORMAT=DATA Query Variable, or may be viewed using a web browser when OUTPUT_FORMAT=HTML is specified.

002-4.3.11.2 Audit Report Response Format

Audit report information shall be returned in response to a valid query request made to any of the audit Templates defined. Query variables may be specified as allowed by each individual Template and shall have the effect of limiting the scope of audit data returned to that set of information selected by that combination of additional Query Variables.

The response to an audit query shall consist of ordered sets of information reflecting both the current information as posted on OASIS and the full history of changes made to that information. These ordered sets of information are organized around the individual postings or "records" returned in response to the applicable non-audit Template. For example, execution of the ***transstatus*** (or ***ancstatus***) Template returns a set of individual records identified by unique ASSIGNMENT_REF. The ***transstatusaudit*** Template response is then organized by ASSIGNMENT_REF and would show all changes made to those Data Elements associated with each individual ASSIGNMENT_REF record.

Execution of the ***transoffering*** (or ***ancoffering*** or ***systemdata***) Template returns a set of individual records identified by unique POSTING_REF. The ***transofferingaudit*** Template response is then organized by POSTING_REF and would show all changes made to those Data Elements associated with each individual POSTING_REF record.

The specific audit report response format is detailed in the following sections.

002-4.3.11.3 Comma Separated Value (CSV) Format

A CSV formatted audit Template response shall comply with all the general provisions and specifications defined previously for a CSV formatted response. The CSV response records shall be organized in sets of records containing both the latest information posted on OASIS and all changes made to that information over time.

002-4.3.11.3.1 CSV Response Header Records

The following additional Data Element names shall be included as the first set of Data Elements in the COLUMN_HEADERS record and the corresponding Data Element values shall be included in each subsequent Data Record (row) returned in the audit response:

RECORD_TYPE
TIME_OF_LAST_UPDATE

MODIFYING_COMPANY_CODE
MODIFYING_NAME

These Data Elements shall precede the standard Data Elements associated with the specific Template being invoked.
The RECORD_TYPE Data Element shall take on one of the following restricted values:

I - denotes a record of information as it appeared on its initial **I**nsertion (posting) on OASIS
U - denotes a record of information as it appeared immediately following an **U**pdate to the posted information
D - denotes a record of any ~~**D**eleted~~deleted information as it last appeared on OASIS.

The TIME_OF_LAST_UPDATE Data Element shall contain the time that the Template Data Elements were inserted, updated or deleted to the values reported in that record (row) of the response. This Data Element is identical to the standard Template TIME_OF_LAST_UPDATE Data Element, and is included as part of the fixed audit specific Data Element columns to aid users in sorting the audit response records.

The MODIFYING_COMPANY_CODE and MODIFYING_NAME Data Elements shall contain the identity of the entity (by the appropriate 4-6 character customer/provider code) and the person that inserted, updated or deleted the Data Elements to the values reported in that record (row) of the response. In the event the modification of posted information cannot be associated with a specific OASIS user (e.g., as a result of an automated back-end process), the MODIFYING_NAME Data Element may be null.

Immediately following the MODIFYING_NAME column header, each of the standard non-audit counterpart Template's Data Elements shall be listed in the exact sequence defined for that non-audit Template.

Finally, OASIS implementations may include additional Data Elements identified by unique column headers appended after the fixed audit and standard Template Data Elements. These additional Data Elements may be used to convey implementation specific information maintained in the OASIS database in association with the data being audited.

002-4.3.11.3.2 CSV Data Records

In formatting an audit response, OASIS shall collect and order information into sets of Data Records (rows). Each set of records returned shall include a record corresponding to the information as original inserted into the OASIS database denoted by a RECORD_TYPE of "I", and as many additional records with RECORD_TYPE of "U" corresponding to each update made to that information over time. If applicable, a record may also be returned in the set with a RECORD_TYPE of "D" if the corresponding information was effectively ~~deleted~~Deleted from the database. The number of sets of audit report records returned in response to an audit query shall be determined by the number and type of additional Template Query Variables specified by the user.

002-4.3.11.3.3 CSV Continuation Records

Continuation records are used in certain standard Phase 1-A Templates to report repeating Data Elements associated with a single OASIS transaction such as demand profiles or the reassignment of rights on the secondary market. The first (CONTINUATION_FLAG=N) record and all associated continuation (CONTINUATION_FLAG=Y) records shall be treated as a group when generating the response to an audit query. To minimize the volume of information reported in an audit response, implementations may elect to suppress repeating the contents of information contained in continuation records if none of the Data Elements associated with those continuation records were modified. If, however, the Data Element(s) to be reported by an audit record are contained in one or more of the continuation records (e.g., a change was made to a transmission reservation's demand profile), the first (CONTINUATION_FLAG=N) record followed by the entire group of continuation (CONTINUATION_FLAG=Y) records shall be reported.

002-4.3.11.3.4 CSV Response Header Records

Finally, OASIS implementations may include additional Data Elements identified by unique column headers appended after the fixed audit and standard Template Data Elements. These additional Data Elements may be used to convey implementation specific information maintained in the OASIS database in association with the data being audited.

002-4.3.11.4 HTML Output

Specification of the Query Variable OUTPUT_FORMAT=HTML shall minimally result in an audit report formatted identically to the CSV Format (OUTPUT_FORMAT=DATA) with the exception that the response shall be returned using the HTTP header **"Content-type: text/plain"** specification. This will result in the CSV Data Records being rendered in simple text within the user's web-browser. More sophisticated HTML formatted responses to audit queries may be provided by the TSIPs at their discretion.

002-4.3.11.5 Special Audit Template Considerations

Transoffering

The ***transoffering*** Template is used to convey information on transmission services offered for sale as well as the availability of transmission capability (TTC/ATC). The proposed audit reporting scheme may prove inadequate to generate audits of both the commercial aspects of offers posted on OASIS (i.e., price, etc.) and the reliability aspects associated with those offers (i.e., ATC) depending on how these two different types of information are represented internally by each OASIS node.

For those OASIS implementations that handle TTC/ATC information separately from the posting of commercial offers of service, audit reports generated by the ***transofferingaudit*** Template may be limited to only reporting changes to the Data Elements associated with the commercial aspects of the offer (e.g., OFFER_PRICE, OFFER_START_TIME, etc.), and may return a null value for

the CAPACITY Data Element. These nodes shall use the ***systemdataaudit*** Template audit reporting facility to allow for the full auditing of changes made to TTC and ATC postings as required under Federal Regulations.

Scheduledetail

The ***scheduledetail*** Template combines information from one or more transmission reservations and transmission security event postings (e.g., TLRs) with information posted on actual scheduled use of the transmission system.Audit information related to changes made to a given transmission reservation shall be auditable using the ***transstatusaudit*** Template. Audit information related to the posting of transmission security events that led to a curtailment or interruption of service, or the denial of a request to schedule service shall be auditable using the ***securityaudit*** Template. Therefore, the ***scheduledetailaudit*** Template shall only be required to report changes to the following Data Elements associated with the ***scheduledetail*** Template:

TRANSACTION_ID
START_TIME
STOP_TIME
SCHEDULE_REQUESTED
SCHEDULE_GRANTED
ASSIGNMENT_REF
PROVIDER_ACTION
SCHEDULE_LIMIT
CURTAILMENT_OPTIONS
SECURITY_REF

002-4.4 FILE REQUEST AND FILE DOWNLOAD EXAMPLES

See the OASIS Implementation Guide WEQ 013-4.1.

002-4.4.1 [Deleted]
002-4.4.2 [Deleted]

002-4.4.3 [Deleted]

002-4.4.4 [Deleted]
002-4.4.5 [Deleted]
002-4.4.6 [Deleted]

002-4.4.6.1 [Deleted]
002-4.4.6.2 [Deleted]
002-4.4.6.3 [Deleted]

002-4.4.6.4 [Deleted]

002-4.4.6.5 [Deleted]

002-4.4.6.6 [Deleted]

002-4.4.7 [Deleted]

002-4.4.7.1 [Deleted]

002-4.4.7.2 [Deleted]

002-4.5 GENERAL POSTINGS

002-4.5.1 INFO.HTM

When a regulatory order requires informational postings on OASIS and there is no OASIS S&CP template to support the postings or it is deemed inappropriate to use a template, or the location of the posting has not been required to be elsewhere, there shall be a reference in INFO.HTM to the required information, including, but not limited to, references to the following:

- o A common source of interconnection wide curtailment and interruption information, such as the NERC Transmission Loading Relief (TLR) web site.
- o Information related to the Transmission Provider's methodology for computing and application of Capacity Benefit Margin (CBM) and Transmission Reliability Margin (TRM). If the Transmission Provider does not use CBM or TRM in their assessment of Available Transmission Capability (ATC), that information shall also be in INFO.HTM.
- o The location of the list of system studies conducted.
- o Information on requesting the text file of the tariffs and service agreements.

For the purposes of this section, any link to required informational postings that can be accessed from INFO.HTM would be considered to have met the OASIS posting requirements, provided that the linked information meets all other OASIS accessibility requirements.

002-4.5.2 INFORMATION UNDER STANDARDS OF CONDUCT LINK

The Transmission Provider shall establish a link entitled “Standards of Conduct,” located on the OASIS home page at the Transmission Provider’s registered URL address.

The following types of information, *as found in* Standards of Conduct for Transmission Providers, Order 2004, 105 FERC ¶61,248 (2003);*order on reh’g,* Order 2004-A, 107 FERC ¶61,032; *order on reh’g*, Order 2004-B, 108 FERC ¶61,118 (2004); *order on reh’g,* Order 2004-C, 109 FERC ¶61,325; *order on reh’g*, Order 2004-D, 110 FERC ¶61,320, and 18 CFR §358 should be accessible from the Standards of Conduct link.

Emergency Circumstances Deviations (§358.4(a)(2))

Marketing and Energy Affiliate List (§358.4(b)(1))

Shared Facilities (§358.4(b)(2))

Organizational Charts and Job Descriptions (§358.4(b)(3)(i))

Common Employees (§358.4(b)(3)(iii))

Potential Merger Partners (§358.4(b)(3)(v))

Transfers[1] (§358.4(c))

Information Disclosure[2] (§358.5(b) (3))

Voluntary Consent to Share Non-Affiliated Customer Information (§358.5(b)(4))

Discretionary Actions under Tariff [3] (§358.5(c)(4))

Discounts[4] (§358.5(d))

Chief Compliance Officer (§358.4(e)(6))

Written Procedures for Implementation (§358.4 (e)(3))

These items shall appear in the order specified above and before any other items which may be required as per specific FERC direction or local business practice. Posting of the cites noted in the parentheses is optional. Access to some of the information found under the Standards of Conduct link above may require the user to register with the individual OASIS sites according to WEQ 002-3.1

002-5 PERFORMANCE REQUIREMENTS

A critical aspect of any system is its performance. Performance encompasses many issues, such as security, sizing, response to user requests, availability, backup, and other parameters that are critical for the system to function as desired. The following sections cover the performance requirements for the OASIS Nodes.

002-5.1 SECURITY

Breaches of security include many inadvertent or possibly even planned actions. Therefore, several requirements shall be implemented by the TSIPs to avoid these problems:

1 According to WEQ 002-4.3.10.4 a template is required for this item.
2 According to WEQ 002-4.3.10.6 a template is required for this item.
3 According to WEQ 002-4.3.10.5 a template is required for this item.
4 According to WEQ 002-4.3.2.1 a template is required for this item.

a. **Provider Update of TS Information:** Only Providers, including Secondary Providers, shall be permitted to update their own TS Information.

b. **Customer Input Only ASCII Text:** TSIPs shall be permitted to require that inputs from Customers shall be filtered to permit only strict ASCII text (strip bit 8 from each byte).

c. **Provider Updating Over Public Facilities:** If public facilities are involved in the connection between a Provider and the OASIS Node, the Provider shall be able to update his TS Information only through the use of ASCII or through encrypted files.

d. **User Registration and Login:** All Users shall be required to register and login to a Provider's Account before accessing that Provider's TS Information.

e. **User Passwords:** All Users shall enter their personal password when they wish access to TS Information beyond the lowest Access Privilege.

f. **Service Request Transactions:** Whenever Service Request transactions are implemented entirely over OASIS Nodes, both an individual Customer password for the request, and an individual Provider password for the notification of acceptance shall be required.

g. **Data Encryption:** Sophisticated data encryption techniques and the "secure id" mechanisms being used on the public Internet shall be used to transfer sensitive data across the Internet and directly between OASIS Nodes.

h. **Viruses:** Since only data is being transmitted between the OASIS Nodes and the Users, viruses are unlikely to be passed between them. Therefore, TSIPs shall be responsible for ensuring that the OASIS Nodes are free from viruses, but need not screen data exchanges with Users for viruses.

i. **Performance Log:** TSIPs shall keep a log on User usage of OASIS resources.

j. **Disconnection:** TSIPs shall be allowed to disconnect any User who is degrading the performance of the OASIS Node through the excessive use of resources, beyond what is permitted in their Service Level Agreement.

k. **Premature Access:** The TSIP log shall also be used to ensure that Users who are affiliated with the Provider's company (or any other User) do not have access to TS information before it is publicly available.

l. **Firewalls:** TSIPs shall employ security measures such as firewalls to minimize the possibility that unauthorized users shall access or modify TS Information or reach into Provider or User systems. Interfaces through Public Data Networks or the Internet shall be permitted as long as these security requirements are met.

m. **Certificates and Public Key Standards (optional):** Use of alternative forms of login and authentication using certificates and public key standards is acceptable.

002-5.2 ACCESS PRIVILEGES

Users shall be assigned different Access Privileges based on external agreements between the User and the Provider. These Access Privileges are associated with individual Users rather than just a company, to ensure that only authorized Users within a company have the appropriate access.

The following Access Privileges shall be available as a minimum:

a. **Access Privilege Read-Only:** The User may only read publicly available TS Information.

b. **Access Privilege for Transactions:** The Customer is authorized to transact Service Requests.

c. **Access Privilege Read/Write:** A Secondary Provider shall have write access to his own Provider Account on an OASIS Node.

002-5.3 OASIS RESPONSE TIME REQUIREMENTS

002-5.3.1 TSIPs can only be responsible for the response capabilities of two portions of the Internet-based OASIS network:

- The adequacy of the TSIP's internet interconnection(s) for reasonable high-volume utilization
- The response capabilities of the OASIS Node functions to process interactions with Users

002-5.3.2 Measurement Criteria for Internet Connections

An OASIS node's Internet connection(s) should not exceed 60% sustained utilization. To determine the sustained utilization, TSIPs shall retain usage records and logs related to the Internet service.

002-5.3.3 Measurement Criteria for OASIS Node functions

It is required that OASIS query functions meet or exceed the response times listed below during the normal conduct of business.

Template or GUI equivalent	Average Response not fewer than:	90% of Responses not fewer than:
transstatus	100 rows/minute	10 rows/minute
transoffering	500 rows/minute	100 rows/minute

It should be recognized that during periods of minimal interactivity there might be heavier loading due to automated processes gathering larger volumes of data or due to OASIS node housekeeping services. The offloading of such discretionary demand should not be discouraged if it serves to make the OASIS more responsive during primary periods of customer activity.

To assess whether these performance capabilities are obtainable, an OASIS application shall collect and log pertinent statistics on an hourly basis about each invocation of the primary types of data queries on the Templates ***transstatus*** and ***transofferring***. Statistics logged shall be the number of invocations per type of template, the service processing time to retrieve the information, format of the responses, and effective template data row count.

002-5.4 OASIS PROVIDER ACCOUNT AVAILABILITY

The following are the OASIS Provider Account availability requirements:

a. OASIS Provider Account Availability: The availability of each OASIS Provider account on an OASIS Node shall be at least **98.0%** (downtime of about 7 days per year).

Availability is defined as:

$$\textbf{\% Availability} = \frac{\textbf{(1 - Cumulative Provider Account Downtime)}}{\textbf{Total Time}} * 100$$

A Provider account shall be considered to be down, and downtime shall be accumulated, upon occurrence of any of the following:

1. One or more Users cannot link and log on to the Provider account. The downtime accumulated shall be calculated as:

   Σ **for affected Users of 1/n * (Login Time)**, which is the time used by each affected User to try to link and log on to the Provider account, and where "n" is the total number of Users actively registered for that Provider account.

2. One or more Users cannot access TS Information once they have logged on to a Provider account. The downtime accumulated shall be calculated as:

   Σ **for affected Users of 1/n * (Access Time)**, which is the time used by each affected User to try to access data, and where "n" is the total number of Users actively registered for that Provider.

3. A **five (5) minute** penalty shall be added to the cumulative downtime for every time a User loses their connection to a Provider's account due to an OASIS Node momentary failure or problem.

002-5.5 BACKUP AND RECOVERY

The following backup and recovery requirements shall be met:

a. **Normal Backup of TS Information:** Backup of TS Information and equipment shall be provided within the OASIS Nodes so that no data or transaction logs are lost or become inaccessible by Users due to any single

point of failure. Backed up data shall be no older than **30 seconds**. Single points of failure include the loss of one:

- Disk drive or other storage device
- Processor
- Inter-processor communications (e.g. LAN)
- Inter-OASIS communications
- Software application
- Database
- Communication ports for access by Users
- Any other single item which affects the access of TS Information by Users

b. **Spurious Failure Recovery Time:** After a spurious failure situation, all affected Users shall regain access to all TS Information **within 30 minutes**. A spurious failure is a temporary loss of services which can be overcome by rebooting a system or restarting a program. Permanent loss of any physical component is considered a catastrophic failure.

c. **Long-Term Backup:** Permanent loss of critical data due to a catastrophic failure shall be minimized through off-line storage on a **daily basis** and through off-site data storage on a **periodic basis**.

d. **Catastrophic Failure Recovery:** Recovery from a catastrophic failure or loss of an OASIS Node may be provided through the use of alternate OASIS Nodes which meet the same availability and response time requirements. TSIPs may set up prior agreements with other TSIPs as to which Nodes will act as backups to which other Nodes, and what procedure will be used to undertake the recovery. Recovery from a catastrophic failure shall be designed to be achieved **within 24 hours**.

002-5.6 TIME SYNCHRONIZATION

The following are the time requirements:

a. **Time Synchronization**: Time shall be synchronized on OASIS Nodes such that all time stamps will be accurate to within "0.5 second of official time. This synchronization may be handled over the network using NTP, or may be synchronized locally using time standard signals (e.g. WWVB, GPS equipment).

b. **Network Time Protocol (NTP)**: OASIS Nodes shall support the Internet tool for time synchronization, Network Time Protocol (NTP), which is described in RFC-1305, version 3, so that Users shall be able to request the display and the downloading of current time on an OASIS Node for purposes of user applications which might be sensitive to OASIS time.

002-5.7 TS INFORMATION TIMING REQUIREMENTS

The TS Information timing requirements are as follows, except they are waived during emergencies.

a. TS Information Availability: The most recent Provider TS information shall be available on the OASIS Node within 5 minutes of its required posting time at least 98% of the time. The remaining 2% of the time the TS Information shall be available within 10 minutes of its scheduled posting time.

b. **Notification of Posted or Changed TS Information**: Notification of TS Information posted or changed by a Provider shall be made available within 60 seconds to the log. S&CP Version

c. **Acknowledgment by the TSIP**: Acknowledgment by the TSIP of the receipt of User Purchase requests shall occur within 1 minute. The actual negotiations and agreements on Purchase requests do not have time constraints.

002-5.8 TS INFORMATION ACCURACY

The following requirements relate to the accuracy of the TS information:

a. **TS Information Reasonability**: TS information posted and updated by the Provider shall be validated for reasonability and consistency through the use of limit checks and other validation methods.

b. **TS Information Accuracy**: Although precise measures of accuracy are difficult to establish, Providers shall use their best efforts to provide accurate information.

002-5.9 PERFORMANCE AUDITING

The following are the performance auditing requirements:

a. **User Help Desk Support**: TSIPs shall provide a "Help Desk" that is available at least during normal business hours (local time zone) and normal work days.

b. **Monitoring Performance Parameters**: TSIPs shall use their best efforts to monitor performance parameters. Any User shall be able to read or download these performance statistics.

~~002-5.10 MIGRATION REQUIREMENTS~~

~~Whenever a new version of the S&CP is to be implemented, a migration plan will be developed for cutting over to the new version.~~

002-5.10 IMPLEMENTATION PLAN

All template interactions with OASIS under the latest set of ratified NAESB Standards as set forth in the OASIS Standards and Communication Protocols are to use the following version identifier:

VERSION=1.5↵

Until adopted as regulation, OASIS nodes shall be required to respond to template queries and uploads in the VERSION=1.4 format for backward compatibility.

OASIS implementations electing to support the NAESB standards prior to adoption as regulation must respond correctly to template queries and uploads in both the VERSION=1.4 format and VERSION=1.5 format.

Once adopted as regulation, OASIS nodes shall be required to support the VERSION 1.5 template format within six months of such adoption, and shall maintain support for VERSION 1.4 queries and uploads for the full six months implementation period.

Primary Providers may maintain support for VERSION 1.4 queries and uploads as required to meet regulatory data retention requirements or may elect to convert historical data to be compliant with the VERSION 1.5 template for data retention purposes.

002-5.10.1 OASIS DATA ELEMENT CROSS REFERENCE

The following table documents the mapping of Data Element changes from S&CP VERSION 1.4 to VERSION 1.5.

Template	Deleted Data Element	New Data Element	Conversion Requirements
transoffering (response)		OFFER_INCREMENT	If there are transmission offerings that need to be converted OFFER_INCREMENT shall take on the value of SERVICE_INCREMENT.
scheduledetail (response)		ANNOTATION	No data to convert.
security (response)		ANNOTATION	No data to convert.
reduction (query)		CUSTOMER_CODE	
reduction (query)		CUSTOMER_DUNS	
reduction (query)		PATH_NAME	
reduction (query)		POINT_OF_RECIEPT	
reduction (query)		POINT_OF_DELIVERY	
reduction (query)		REDUCTION_TYPE	Prior use of free form text for REDUCTION_TYPE will not be able to be queried directly unless they are registered by the primary provider or otherwise enumerated in the Data Dictionary. Or the primary provider may convert free form text to use registered values.
reduction (response)		NERC_CURTAILMENT_PRIORITY	No data to convert.
reduction (response)		OTHER_CURTAILMENT_PRIORITY	No data to convert.
systemdata (query/response)		SYSTEM_ELEMENT	Existing postings for ATC system attributes shall populate this Data Element from the value of PATH_NAME.
systemdata (query/response)		SYSTEM_ELEMENT_TYPE	Existing postings for ATC system attributes shall populate this Data Element with the literal text PATH.
systemdata (query/response)	PATH_NAME		Converted to SYSTEM_ELEMENT.
systemdata (query/response)	POINT_OF_RECEIPT*		Deleted no longer used.
systemdata (query/response)	POINT_OF_DELIVERY*		Deleted no longer used.
systemdata (response)		ANNOTATION	No data to convert.
transstatus (response)		PRIMARY_PROVIDER_APPROVAL	No data to convert.

Template	Deleted Data Element	New Data Element	Conversion Requirements
transstatus (response)		PRIMARY_PROVIDER_CONDITIONS	No data to convert.
transstatus (response)		REASSESSMENT_DUE_TIME	No data to convert.
transstatus (response)		RENEWAL_DUE_TIME	No data to convert.
transstatus (response)		ROLLOVER_START_TIME	No data to convert.
transstatus (response)		ROLLOVER_STOP_TIME	No data to convert.
transstatus (response)		ROLLOVER_CAPACITY	No data to convert.
transsell (input/response)		PRIMARY_PROVIDER_APPROVAL	No data to convert
transsell (input/response)		PRIMARY_PROVIDER_CONDITIONS	No data to convert
transsell (input/response)		PRIMARY_PROVIDER_COMMENTS	No data to convert
transsell (input/response)		REASSESSMENT_DUE_TIME	No data to convert
transsell (input/response)		RENEWAL_DUE_TIME	No data to convert
transsell (input/response)		ROLLOVER_START_TIME	No data to convert
transsell (input/response)		ROLLOVER_STOP_TIME	No data to convert
transsell (input/response)		ROLLOVER_CAPACITY	No data to convert
transcust (input/response)	PRECONFIRMED		With priority given to pre-confirmed requests, this attribute may only be set at original time of submission.
transassign (input/response)		REQUEST_TYPE	No conversion required its default value is already defined.
transassign (input/response)		BID_PRICE	Set to the same value as OFFER_PRICE.
transassign (input/response)		RELATED_REF	No data to convert
transpost (input/response)		OFFER_INCREMENT	Must be set to SERVICE_INCREMENT when Seller is the primary provider. Otherwise supplied on input by the Reseller.
transupdate (input/response)		OFFER_INCREMENT	Must be set to SERVICE_INCREMENT when Seller is the primary provider. Otherwise supplied on input by the Reseller.

Template	Deleted Data Element	New Data Element	Conversion Requirements
anccust (input/response)	PRECONFIRMED		This attribute may now only be set at original time of submission. .

013-5.10.2 OASIS Data Mapping Cross Reference – Field Value Conversions

The following table documents the mapping of Restricted Value changes from S&CP VERSION 1.4 to VERSION 1.5.

Data Element	Current Values	New Values	Comments
REDUCTION_TYPE	Free form text	Specific Code Values	Prior use of free form text for REDUCTION_TYPE will not be able to be queried directly unless they are registered by the primary provider or otherwise enumerated in the Data Dictionary. Or the primary provider may convert free form text to use registered values.
SYSTEM_ATTRIBUTE	NATC	FATC	
SYSTEM_ATTRIBUTE	RATC	NFATC	

003-0 OASIS DATA DICTIONARY Version 1.5				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
AFFILIATE_FLAG	AFFLAG	2{ALPHANUMERIC}3	Valid Values YES NO	Set to YES if customer is an affiliate of the provider
ANC_SERVICE_POINT	ANCPOINT	0{ALPHANUMERIC}12	Free form text[1], null can be used if there is no ancillary service point other than the control area	Name of ancillary service point within a control area, such as a POR/POD/SOURCE/SINK from which the ancillary service is provided
ANNOTATION	ANNOTATE	0{ALPHANUMERIC}~~255~~1000	Free-form text	~~Used to provide a~~Additional notes, comments or other descriptive information with the posted event.
AS_TYPE	ASTYPE	1{ALPHANUMERIC}20	Valid types · SC · RV · RF · EI · SP · SU · GI ~~· RV~~ ~~· RF~~ ~~· SC~~ · DT · TL · BS ~~· GI~~ · {Registered}	SC- Scheduling, system Control and Dispatch RV - Reactive supply and Voltage Control RF- Regulation and Frequency response EI - Energy Imbalance SP - Spinning Reserve SU - Supplemental Reserve GI – Generator Imbalance ~~RV - Reactive supply and Voltage Control~~ ~~RF- Regulation and Frequency response~~ ~~SC- Scheduling, system Control and Dispatch~~ DT - Dynamic Transfer TL - Real power Transmission Loss BS - System Black Start capability ~~GI – Generator Imbalance~~ {Registered} must be registered with www.tsin.com and listed in the ANCSERV Template
ANC_SVC_LINK	ANCSVCLINK	0{ALPHANUMERIC}300	Formatted string as follows: SC:(AA[:xxx[:yyy[:nnn]]); RV:(AA[:xxx[:yyy[:nnn]]]);	The method for linking ancillary services to a transmission service request. The provider and capacity of each ancillary service is identified using the formatted string:

[1] For all Data Elements indicated as being free form text, the Field Format designation of ALPHANUMERIC shall represent any valid printable character in the ASCII character set.

003-0 OASIS DATA DICTIONARY Version 1.5				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
			RF:(AA[:xxx[:yyy[:nnn]]]); EI:(AA[:xxx[:yyy[:nnn]]]); SP:(AA[:xxx[:yyy[:nnn]]]); SU:(AA[:xxx[:yyy[:nnn]]]); GI:(AA[:xxx[:yyy[:nnn]]]); DT:(AA[:xxx[:yyy[:nnn]]]); TL:(AA[:xxx[:yyy[:nnn]]]); BS:(AA[:xxx[:yyy[:nnn]]]); {Registered}:(AA[:xxx[:yyy[:nnn]]])	SC:(AA[:xxx[:yyy[:nnn]]]); RV:(AA[:xxx[:yyy[:nnn]]]); RF:(AA[:xxx[:yyy[:nnn]]]); EI:(AA[:xxx[:yyy[:nnn]]]); SP:(AA[:xxx[:yyy[:nnn]]]); SU:(AA[:xxx[:yyy[:nnn]]]); GI:(AA[:xxx[:yyy[:nnn]]]); DT:(AA[:xxx[:yyy[:nnn]]]); TL:(AA[:xxx[:yyy[:nnn]]]); BS:(AA[:xxx[:yyy[:nnn]]]); {Registered}:(AA[:xxx[:yyy[:nnn]]]) where AA is the appropriate PRIMARY_PROVIDER_CODE, SELLER_CODE, or CUSTOMER_CODE, and represents the company providing the ancillary services. "AA" may be unspecified for "xxx" type identical to "FT", in which case the ":" character must be present and precede the "FT" type. If multiple "AA" terms are necessary, then each "AA" grouping will be enclosed within parenthesis, with the overall group subordinate to the AS_TYPE specified within parenthesis and where xxx represents either: - "FT" to indicate that the Customer will determine ancillary services at a future time, or
ANC_SVC_LINK (cont.)				- "SP" to indicate that the Customer will self-provide the ancillary services, or - "RQ" to indicate that the Customer is asking the OASIS Node to initiate the process for making an ancillary services reservation with the indicated Provider or Seller on behalf of the Customer. The Customer must then continue the reservation process with the Provider or Seller. If the transmission services request is for preconfirmed service, then the ancillary services shall also be preconfirmed, or - "AR" to indicate an assignment reference number sequence follows.The terms "yyy" and

003-0 OASIS DATA DICTIONARY Version 1.5				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				"nnn" are subordinate to the xxx type of "AR". yyy represents the ancillary services reservation number (ASSIGNMENT_REF) and nnn represents the capacity of the reserved ancillary services. Square brackets are used to indicated optional elements and are not used in the actual linkage itself. Specifically, the :yyy is applicable to only the "AR" term and the :nnn may optionally be left off if the capacity of ancillary services is the same as for the transmission services, and optionally multiple ancillary reservations may be indicated by additional (xxx[:yyy[:nnn]]) enclosed within parenthesis. If no capacity amount is indicated, the required capacity is assumed to come from the ancillary reservations in the order indicated in the codes, on an "as-needed" basis.
ANC_SVC_REQ	ANCSVCREQ	0{ALPHANUMERIC}100	SC:{M,R,O,U}; RV:{M,R,O,U}; RF:{M,R,O,U}; EI:{M,R,O,U}; SP:{M,R,O,U}; SU:{M,R,O,U}; GI:{M,R,O,U};~~RV:{M,R,O,U}; RF:{M,R,O,U};~~ ~~SC:{M,R,O,U};~~ DT:{M,R,O,U}; TL:{M,R,O,U}; BS:{M,R,O,U}; {registered}:{M,R,O,U }	Ancillary services required for a transmission services offering. The appropriate letter {M,R,O,U} will be assigned to each of the six Proforma FERC ancillary services (see AS_TYPE), where the letters mean the following: · (M) Mandatory, which implies that the Primary Provider must provide the ancillary service · (R) Required, which implies that the ancillary service is required, but not necessarily from the Primary Provider · (O) Optional, which implies that the ancillary service is not necessarily required, but could be provided

003-0 OASIS DATA DICTIONARY Version 1.5				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				· (U) Unknown, which implies that the requirements for the ancillary service are not known at this time
ASSIGNMENT_REF	AREF	1{ALPHANUMERIC}12	Unique value	A unique reference number assigned by a Transmission Information Provider to provide a unique record for each transmission or ancillary service request. A single transmission or ancillary service request will be over a contiguous time period, i.e. from a START_TIME to an STOP_TIME.
ATTRIBUTE_UNITS	ATTRUNITS	1{ALPHANUMERIC}20	Free form text	System data attribute units
ATTRIBUTE_VALUE	ATTRVALUE	1{NUMERIC}12	Real number	System data attribute value
BID_PRICE	BIDPR	1{NUMERIC}5 + "." + 2{NUMERIC}4	Positive number with 2 to 4 decimals	The current bid price of a Service in dollars and cents. Used by Customers to designate a price being bid.
CAPACITY	CAP	0{NUMERIC}12	Number in units of MW	Transfer capability is the measure of the ability of the interconnected electric system to readily move or transfer power from one area to another over all transmission lines (or paths) between those areas under specified system conditions. In this context "area" may be an individual electric system, powerpool, control area, subregion, or NERC region or portion thereof.
CAPACITY_AVAILABLE	CAPAVAIL	0{NUMERIC}12	Non-negative number in units of MW	Amount of transmission capacity available after all the reductions are applied to CAPACITY_GRANTED over the time interval
CAPACITY_CURTAILED	CAPCUR	1{NUMERIC}12	Non-negative number in units of MW	The amount of transfer capability curtailed by the Primary provider for emergency reasons.
CAPACITY_GRANTED	CAPGRNT	0{NUMERIC}12	Non-negative number in units of MW	The amount of capacity offered/granted by the seller equal to or less than CAPACITY_REQUESTED by the TC.
CAPACITY_REDUCED	CAPREDU	0{NUMERIC}12	Negative number in units of MW	Amount of transmission capacity reduced

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
CAPACITY_REQUESTED	CAPREQ	0{NUMERIC}12	Non-negative number in units of MW	Transmission capacity requested by the Transmission Customer (TC)
CAPACITY_USED	CAPUSED	0{NUMERIC}12	Non-negative number in units of MW	CAPACITY_USED reflects the peak MW amount of the reservation used to support the scheduled transaction
CATEGORY	CAT	0{ALPHANUMERIC}25	Valid name from CATEGORY in LIST Template	A name to be used to categorize messages. Valid names would include: *, Want-Ad, Curtailment, Outage, OASIS_Maintenance_Outage*
CEILING_PRICE	CEILPR	1{NUMERIC}5 + "." + 2{NUMERIC}4	Positive number with 2 to 4 decimals	Ceiling price of the Service as entered by the Transmission Provider.
COLUMN_HEADERS	HEADERS	1{ALPHANUMERIC} Limited to all the elements names in one Template	Headers surrounded with " " and separated by commas. Limited to valid Template element names. Must use full element name and not alias.	Example: COLUMN_HEADER=APATH_NAME","POINT_OF_RECEIPT","POINT_OF_DELIVERY","SOURCE","SINK"
COMPETING_REQUEST_FLAG	COMPREQ	1{ALPHANUMERIC}1	"Y" or "N"	If "Y", indicates there is one or more competing requests for this reservation. The competing request AREFs are listed in the SELLER_COMMENTS
CONTINUATION_FLAG	CONT	1{ALPHANUMERIC}1	"Y" or "N"	Indicates whether or not this record is a continuation from the previous record
CONTROL_AREA	AREA	1{ALPHANUMERIC}20	Valid name of a control area	A part of the power system with metered tie lines and capable of matching generation and load while meeting scheduled interchange. Location of Ancillary Services is my CONTROL_AREA.
CURTAILMENT_OPTIONS	CUROPT	0{ALPHANUMERIC}80	Free form text	Customer options, if any, to avoid curtailment
CUSTOMER_CODE	CUST	1{ALPHANUMERIC}6	Unique value, registered on TSIN.COM	Any entity (or its designated agent) that is eligible to view OASIS information, to execute a service agreement, and/or to receive transmission service.
CUSTOMER_COMMENTS	CUSTCOM	0{ALPHANUMERIC}255	Free-form text	Informative text. For information to be communicated between the customer and seller.
CUSTOMER_DUNS	CUSTDUNS	9{NUMERIC}9	Unique DUNS number	Unique DUNS number for a Customer

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
CUSTOMER_EMAIL	CUSTEMAIL	1{ALPHANUMERIC}25	Valid Internet E-Mail address	Internet E-Mail address of Customer contact person
CUSTOMER_FAX	CUSTFAX	14{ALPHANUMERIC}20	Area code and telephone number, plus any extensions (aaa)-nnn-nnnn xnnnn	FAX phone number of Customer contact person
CUSTOMER_NAME	CUSTNAME	1{ALPHANUMERIC}25	Free form text	Name of Customer contact person
CUSTOMER_PHONE	CUSTPHON	14{ALPHANUMERIC}20	Area code and telephone number, plus any extensions (aaa)-nnn-nnnn xnnnn	Telephone of Customer contact person
DATA_ROWS	ROWS	1{NUMERIC}unlimited	Positive Number	Number of records (rows) of data exclusive of header information that are to be uploaded or downloaded in a file.
DATE_TIME_EFFECTIVE	TIMEEFCT	16{ALPHANUMERIC}16	Valid date and time in seconds yyyy+mo+dd+hh +mm+ss+tz	Date and time a message or service offer is in effect
DEAL_REF	DREF	0{ALPHANUMERIC}12	Unique value, Assigned by Customer	The unique reference assigned by a Customer to two or more service purchases to identify each of them as related to others in the same power service deal. These requests may be related to each other in time sequence through a single Provider, or as a series of wheels through multiple Providers, or a combination of both time and wheels. The User uses the DEAL_REF to uniquely identify a combination of requests relating to a particular deal.
DISCRETION_DESCRIPTION	DISCDESC	0{ALPHANUMERIC}1000	Free form text	A detailed description of the discretion being reported
ELEMENT_NAME	ELEMENT	1{ALPHANUMERIC}40	Valid Template element name	Template element name as indicated in data dictionary
EMPLOYEE_NAME	EMPNAME	1{ALPHANUMERIC}25	Free form text	Name of person who is transferring from one position to another

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
ERROR_MESSAGE	ERROR	1{ALPHANUMERIC}250	Free form text	Error message related to a RECORD_STATUS or REQUEST_STATUS
EVENT_ID	EVENTID	0{ALPHANUMERIC}25	Free form text	The EVENT_ID Data Element is any regional or interconnection-wide recognized security event identifier for events that are of greater scope than those administered locally by the Provider (e.g., a NERC Security Coordinator assigned identifier corresponding to a particular implementation of the NERC TLR procedure).
FACILITY_CLASS	FACLASS	0{ALPHANUMERIC}25	Free form text, for example: TRANSFORMER, LINE, FLOWGATE Or as defined in the LIST Template	Type of limiting device such as 'transformer', 'line' or 'flowgate'
FACILITY_LIMIT_TYPE	FACLIMTYP	0{ALPHANUMERIC}25	thermal, stability, voltage or defined in LIST Template	For example: thermal, stability, voltage
FACILITY_LOCATION	FACLOC	0{ALPHANUMERIC}8	Free form text, for example: INTERNAL EXTERNAL Or as defined in the LIST Template	Location of facility that caused the interruption, either internal to the TP or external to the TP grid
FACILITY_NAME	FACNAME	0{ALPHANUMERIC}100	Free form text	Name of facility, such as name of path or name of flowgate
FORMER_COMPANY	FORMCO	1{ALPHANUMERIC}25	Free form text	Former company of the person who is transferring
FORMER_DEPARTMENT	FORMDEPT	1{ALPHANUMERIC}52	Free form text	Former department of the person who is transferring
FORMER_POSITION	FORMPOS	1{ALPHANUMERIC}25	Free form text	Former position held by the person who is transferring
GCA_CODE	GCA	1{ALPHANUMERIC}4	Registered control area company code	Generator Control Area Code. Information from Tag

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
IMPACTED	IMPACTED	0{NUMERIC}4	Number	Indicates whether the reservation has been impacted by another reservation. For an original reservation this counter is 0. This counter is incremented by 1 by TSIP on the parent request when its ASSIGNMENT_REF is entered in any other reservation's REASSIGNED_REF or RELATED_REF or in entered in any reduction.
IMPACTING_REF	IMPACTRE F	0{ALPHANUMERIC}12	Unique reference	IMPACTING_REF references the ASSIGNMENT_REF of the associated transmission reservation (if applicable) that caused the reduction in capacity
INITIATING_PARTY	INITPARTY	0{ALPHANUMERIC}4	Registered company code for a Transmission Provider (TP), Security Coordinator (SC) or Control Area (CA)	Company code for company responsible for initiating execution of a transmission security procedure.
INTERFACE_TYPE	INTERFACE	0{ALPHANUMERIC}1	Valid Values: I ,E	Type of interface define by path: Internal (I) to a control area or External (E) to a control area
LCA_CODE	LCACODE	0{ALPHANUMERIC}4	Valid registered control area code	Load Control Area registered code. Information comes from tag
LIST_ITEM	ITEM	1{ALPHANUMERIC}50	Free form text	Item from LIST, such as list of SELLER, list of PATH_NAME, list of POINT_OF_RECEIPT, list of POINT_OF_DELIVERY, list of SERVICE_INCREMENT, list of TS_CLASS, list of TS_TYPE, list of TS_PERIOD, list of TS_WINDOW, list of TS_SUBCLASS, list of AS_TYPE, list of REQUEST_TYPE, list of ANC_SERVICE_POINT, list of FACILITY_CLASS, list of FACILITY_LIMIT_TYPE, list of PROCEDURE_NAME, list of SYSTEM_ATTIBUTE, list of SECURITY_TYPE, list of FACILITY_LOCATION, list of NERC_CURTAILMENT_PRIORITY, list of

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				OTHER_CURTAILMENT_PRIORITY, list of CATEGORY, list of TEMPLATE, list of LIST
LIST_ITEM_DESCRIPTION	ITEMDESC	0{ALPHANUMERIC}100	Free form text	A detailed description of the LIST_ITEM
LIST_NAME	LIST	1{ALPHANUMERIC}50	LIST, SELLER, PATH, POR, POD, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_SUBCLASS, AS_TYPE, NERC_CURTAILMENT_PRIORITY, REQUEST_TYPE, ANC_SERVICE_POINT, FACILITY_CLASS, FACILITY_LIMIT_TYPE, PROCEDURE_NAME, SYSTEM_ATTRIBUTE, SECURITY_TYPE, FACILITY_LOCATION, OTHER_CURTAILMENT_PRIORITY, CATEGORY, TEMPLATE	List of valid names for each of the types of lists. The minimum set of lists defined must be implemented.
MESSAGE	MSG	1{ALPHANUMERIC}200	Free form text	An informative text message
MODIFYING_COMPANY_CODE	MODCODE	1{ALPHANUMERIC}6	Registered company code for a TP, SC or CA	Contains the registered company code that modified the transaction, used in the audit Templates
MODIFYING_NAME	MODNAME	0{ALPHANUMERIC}25	free form text	Contain the name of the person that modified the transaction, used in the audit Templates
MODIFICATION_REF	MODREF	1{ALPHANUMERIC}12	Valid ASSIGNMENT_REF	Forward pointer. Pointing to next reservation that replaces the current reservation
NEGOTIATED_PRICE_FLAG	NGPRIFLG	0{ALPHANUMERIC}1	H, L, or blank	Set to H if OFFER_PRICE is higher than the currently posted price; set to L if OFFER_PRICE is

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				lower than the currently posted price
NERC_CURTAILMENT_ PRIORITY	NERCURT	1{INTEGER}1	Integer	One of the NERC curtailment priorities, documented in LIST Template
NEW_COMPANY	NEWCO	1{ALPHANUMERIC}25	Free form text	New company of the person who is transferring
NEW_DEPARTMENT	NEWDEPT	1{ALPHANUMERIC}52	Free form text	New department of the person who is transferring
NEW_POSITION	NEWPOS	1{ALPHANUMERIC}25	Free form text	New position held by the person who is transferring
OFFER_PRICE	OFFPR	1{NUMERIC}5 + "." + 2{NUMERIC}4	Positive number with 2 to 4 decimals	The current offered price of a Service in dollars and cents. Used by the Seller to indicate the offering price.
OFFER_START_TIME	OFFSTIME	0,16{ALPHANUMERIC}16	Valid Date and Time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Start time of the window -during which a Customer may request the service posted in the service offering, i.e., opening time of an offer. a discountedchanges to the offer. If null, no restrictions on the start of the offering time is implied (other than tariff requirements).
OFFER_STOP_TIME	OFFSPTIME	0,16{ALPHANUMERIC}16	Valid Date and Time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Stop time of the window -during which a Customer may request the service posted in the service offering, i.e., a discountedchanges to the offer. (eExpiration time of an offer). If null, no restrictions on the end of the offering time is implied (other than tariff requirements).
OPTIONAL_CODE	N/A	0{ALPHANUMERIC}25	Unique path name within region	OPTIONAL_CODE - 25 chars, unique for Path. If used for directionality, then the first 12 characters shall represent POR, followed by "-", followed by 12 characters which shall represent POD. Used by PATH_NAME.
OTHER_CURTAILMENT _PRIORITY	OTHCUR	0{ALPHANUMERIC}8	Valid Values: {Registered}	Other than NERC curtailment priorities, such as regional curtailment priorities. Suggested format region+number, for example MAPP4, WSCC7. Documented in LIST Template and registered with central registry.
OUTPUT_FORMAT	FMT	4{ALPHANUMERIC}4	HTML, DATA	Format of response: HTML = hypertext markup language for

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				presentation using a web browser DATA = text for use in a downloaded file.
PATH_CODE	N/A	0{ALPHANUMERIC}12	Unique code for each path as defined by primary provider	Unique code within a Region for each path. Used by PATH_NAME
PATH_NAME	PATH	5{ALPHANUMERIC}50	Unique value	The unique name assigned to a single transmission line or the set of one or more parallel transmission lines whose power transfer capabilities are strongly interrelated and must be determined in aggregate. These lines are typically described as being on a path, corridor or interconnection in some regions, or as crossing an interface or cut-plane in other regions. Multiple lines may be owned by different parties and require prorating of capability shares. The name is constructed from the following codes, with each code separated by a "/". Trailing "/" may be omitted, if there are no values for OPTION_CODE and SPARE_CODE: REGION_CODE - 2 chars, unique to OASIS System PRIMARY_PROVIDER_CODE - 4 chars, unique within Region PATH_CODE - 12 chars, unique for Primary Provider OPTIONAL_CODE - 25 chars, unique for Path. If used for directionality, then the first 12 characters shall represent POR, followed by "-", followed by 12 characters which shall represent POD SPARE_CODE - 3 chars.
POINT_OF_DELIVER Y	POD	1{ALPHANUMERIC}12, Only non-numeric and non-alpha character allowed is ".".	Unique value within Primary Provider. Only special character allowed is ".", for example,	Point of Delivery is one or more point(s) of interconnection on the Transmission Provider's transmission system where capacity and/or energy transmitted by the Transmission Provider will be

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
			ab.cde.123	made available to the Receiving Party. This is used along with Point of Receipt to define a Path and direction of flow on that path. For internal paths, this would be a specific location(s) in the area. For an external path, this may be an area-to-area interface.
POINT_OF_RECEIPT	POR	1{ALPHANUMERIC}12 Only non-numeric and non-alpha character allowed is ".".	Unique value within Primary Provider. Only special character allowed is ".", for example, ab.cde.123	Point of Receipt is one or more point(s) of interconnection on the Transmission Provider's transmission system where capacity and/or energy transmitted will be made available to the Transmission Provider by the Delivering Party. This is used along with Point of Delivery to define a Path and direction of flow on that path. For internal paths, this would be a specific location(s) in the area. For an external path, this may be an area-to-area interface.
POSTING_NAME	POSTNAME	1{ALPHANUMERIC}25	Free form text	Name of person who is posting the information on the OASIS Node
POSTING_REF	POSTREF	1{ALPHANUMERIC}12	Unique Value	Assigned by TSIP when Service or Message is received by TSIP. Unique reference can be used by the user to modify or delete the posting.
PRECONFIRMED	PRECONF	2{ALPHA}3	YES or NO	Used by Customer to preconfirm sale in Template TRANSREQUEST or ANCREQUEST. If customer indicates sale is preconfirmed, then the response is YES and the customer does not need to confirm the sale.
PRICE_UNITS	UNITS	0(ALPHA)20	Free form text	The units used for CEILING_PRICE, OFFER_PRICE, and BID_PRICE. Examples: $/MWhr, $/MWmonth
PRIMARY_PROVIDER_APPROVAL	PPAPP	0{ALPHA}1	Y N	To indicate Primary Provider approval of a Transfer. Y = Yes, Primary Provider has approved Transfer N = No, Primary Provider does not approve the Transfer

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
PRIMARY_PROVIDER_CODE	PROVIDER	1{ALPHANUMERIC}4	Unique code	Unique code for each Primary Provider. Used by PATH_NAME and in URL. Registered as part of URL at www.tsin.com.
PRIMARY_PROVIDER_COMMENTS	PPROVCOM	0{ALPHANUMERIC}255	Free-form text	Informative text. Usually entered by the Primary Provider through a back end system. For information communicated between primary transmission provider and all other parties.
PRIMARY_PROVIDER_CONDITIONS	PPCOND	0{ALPHANUMERIC}255	Free form text	Fully qualified URL pointing~~Hyperlink~~ to a document specifying the pertinent terms and conditions of service for the Conditional Curtailment Option for long term firm service.
PRIMARY_PROVIDER_DUNS	PPROVDUNS	9{NUMERIC}9	Valid DUNS number	Unique code for each Primary. Provided by Dun and Bradstreet.
~~PRIMARY_PROVIDER_STATUSAPPROVAL~~	~~PPAPPSTAT~~	~~50{ALPHANUMERIC}125~~	~~Valid field (QUEUED, INVALID, RECEIVED, STUDY, REBID, COUNTEROFFER, DECLINED, SUPERSEDED, ACCEPTED, REFUSED, CONFIRMED, WITHDRAWN, DISPLACED, ANNULLED, RETRACTED)Y N~~	~~To indicate Primary Provider approval of a Transfer.~~ ~~Y = Yes, Primary Provider has approved Transfer N = No, Primary Provider does not approve the TransferTransmission Provider Status.~~ ~~QUEUED = initial status assigned by TSIP on receipt of "customer services purchase request".~~ ~~INVALID = assigned by TSIP or Primary Provider indicating an invalid field in the request, such as improper POR, POD, source, sink, etc. (Final state).~~ ~~RECEIVED= assigned by Primary Provider or Seller to acknowledge QUEUED requests and indicate the service request is being evaluated, including for completing the required ancillary services.~~ ~~STUDY= assigned by Primary Provider or Seller to indicate some level of study is required or being performed to evaluate service request.~~ ~~REFUSED = assigned by Primary Provider or Seller to indicate service request has been denied~~

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				~~due to lack of availability of transfer capability. (Final state).~~ ~~COUNTEROFFER= assigned by Primary Provider or Seller to indicate that a new OFFER_PRICE and/or OFFER_CAPACITY over time is being proposed in the negotiation of requested service (i.e., offering of partial service or negotiation of price).~~ ~~REBID = assigned by Customer to indicate that a new BID_PRICE and/or BID_CAPACITY over time is being proposed.~~ ~~SUPERSEDED = assigned by Primary Provider or Seller when a request which has not yet been confirmed is preempted by another reservation request. (Final state).~~ ~~ACCEPTED = assigned by Primary Provider or Seller to indicate the service request at the designated BID_PRICE and BID_CAPACITY has been approved/accepted. Depending upon the type of ancillary services required, the Seller may or may not require all ancillary service reservations to be completed before accepting a request.~~ ~~DECLINED = assigned by the Primary Provider or Seller to indicate that the terms and conditions, such as the BID_PRICE, are unacceptable and that negotiations are terminated or that contractual terms have not been met. (Final state).~~ ~~RETRACTED = assigned by Primary Provider or Seller when the Customer fails to confirm or withdraw the request within the required time period. (Final state).~~ ~~WITHDRAWN = assigned by the Customer at any point in request evaluation to withdraw the request from any further action. (Final state).~~ ~~CONFIRMED = assigned by the Customer in~~

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				~~response to the Primary Provider or Seller posting "ACCEPTED" status, to confirm service. Once a request has been "CONFIRMED", a transmission service reservation exits. (Final state, unless overridden by DISPLACED or ANNULLED state). DISPLACED = assigned by Primary Provider or Seller when a "CONFIRMED" reservation from a Customer is displaced by a higher priority reservation, and the Customer is not offered or has not exercised right of first refusal (i.e. refused to match terms of new request). (Final State.) ANNULLED = assigned by the Seller when, by mutual agreement with the Customer, a confirmed reservation is to be voided, or assigned unilaterally by the Primary Provider when a confirmed reservation is to be voided. (Final State)~~
PROCEDURE_NAME	PROCNAM E	0{ALPHANUMERIC}25	Valid Names: NERC TLR WSCC USF {Registered}	Name of a transmission security procedure: - NERC TLR as defined in NERC Policy 9 - WSCC USF as defined in WSCC Policy - Local procedure as registered by Transmission Providers
PROCEDURE_LEVEL	PROCLVL	1{ALPHANUMERIC}25	Valid Levels: (NERC TLR Levels} {WSCC USF Levels} {Registered}	Levels or stages associated with actions to be taken in implementation of a transmission security procedure as defined in: - NERC Policy 9 for the NERC TLR procedure - WSCC Policy for the WSCC USF procedure - Local procedures as registered by Transmission Providers
PROVIDER_ACTION	PROVACT	1{ALPHANUMERIC}25	Free form text, for example: DENIED CURTAILED	PROVIDER_ACTION indicates the particular action taken by the Transmission Provider with respect to the scheduled transaction; specific values to be returned are, DENIED if the schedule

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
			INTERRUPTED	was not started as requested, CURTAILED if the scheduled MW was limited for reliability reasons, or INTERRUPTED if the scheduled MW was limited for economic reasons.
REASSESSMENT_DUE_TIME	RASMTTIME	~~16~~0,16{ALPHANUMERIC}16	Valid date and time to seconds: yyyy+mo+dd+hh+tz	Deadline when the Primary Provider may exercise their right to review conditions associated with granted long-term service with a Conditional Curtailment Option.
REASSIGNED_CAPACITY	RASCAP	1{NUMERIC}12	Positive number, cannot exceed previous assigned capacity	The amount of transfer capability that was reassigned from one entity to another.
REASSIGNED_REF	REREF	1{ALPHANUMERIC}12	Unique value	REASSIGNED_REF contains the ASSIGNMENT_REF of any preceding (parent) requests that are affected by this request. Used only for secondary market sales.
REASSIGNED_START_TIME	RESSTIME	16{ALPHANUMERIC}16	Valid date and time to seconds: yyyy+mo+dd+hh+tz	Beginning date and time of the reassigned transmission service
REASSIGNED_STOP_TIME	RESSPTIME	16{ALPHANUMERIC}16	Valid date and time to hour: yyyy+mo+dd+hh+tz	Date and time of the end of the transmission service that is reassigned to another User.
RECORD_STATUS	RECSTATUS	1{NUMERIC}3	Error number	Record status indicating record was successful or error code if unsuccessful. 200 = Successful
RECORD_TYPE	RECTYPE	1{ALPHA}1	Valid Types: I U D	Indicates the type of information reported in a response record generated by an audit Template. "I" designates information as it was initially inserted (posted) on OASIS; "U" designates information updated (modified) on OASIS; "D" designates deleted information as it appeared on OASIS just prior to being deleted (as appropriate).
REDUCTION_REASON	REDREAS	1{ALPHANUMERIC}50	Free form text	Reason for the reduction
REDUCTION_TYPE	REDTYPE	1{ALPHANUMERIC}25	Valid values: CONDITIONAL_EVENT	Type of reduction ~~such as REDIRECT, INTERRUPTION, RESALE, DISPLACEMENT~~in

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
			~~CONDITIONAL_TERM~~CONDITIONAL_HOURS RECALL REDIRECT RESALE TRANSFER {Registered} ~~Free form text~~	reserved capacity or service curtailment priority
REGION_CODE	N/A	1{ALPHANUMERIC}2	Unique within OASIS System	Defined for NERC regions, with the following defined: E - ECAR I - MAIN S - SERC T - ERCOT A - MAPP P - SPP M - MAAC N - NPCC W - WSCC F - FRCC Second character or digit reserved for subregion id as defined by each region.
RELATED_REF	RELREF	1{ALPHANUMERIC}12	Unique reference	Contains the ASSIGNMENT_REF of any preceding (parent) requests that are affected by this request
RENEWAL_DUE_TIME	RENEWTIME	~~16~~0,16{ALPHANUMERIC}16	Valid date and time to seconds: yyyy+mo+dd+hh+tz	The deadline for Customer submission of a renewal request to exercise their on-going rollover rights.
REQUEST_REF	RREF	0{ALPHANUMERIC}12	Unique value	A reference uniquely assigned by a Customer to a request for service from a Provider.
REQUEST_STATUS	RSTATUS	1{NUMERIC}3	Error number	Message status indicating message was successful (if all RECORD_STATUS show success) or error code if any RECORD_STATUS showed unsuccessful.

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				200 = Successful
REQUEST_TYPE	REQTYPE	1{ALPHA}30	Valid Types: ORIGINAL RESALE RENEWAL MATCHING DEFERRAL REDIRECT RELINQUISH FULL_TRANSFER PART_TRANSFER RECALL {Registered}	ORIGINAL = typical reservation requests submitted to the Primary Provider (as the Seller of the transmission or ancillary service). RESALE = secondary market requests submitted to a Transmission Customer as Secondary Provider. RENEWAL = request to renew an expiring transmission reservation that has rollover rights. MATCHING = request to meet or exceed a competing request to retain transmission service (right of first refusal). DEFERRAL = request to defer or apply for extension on start of transmission service. REDIRECT = request to redirect all or portion of a transmission reservation to an alternate POR/POD and/or make other changes to the terms of service as permitted. RELINQUISH = request to release all or a portion of the capacity of a Redirect on a Non-Firm basis to the Firm Parent Reservation. FULL_TRANSFER = request to transfer all capacity, rights, encumbrances and obligations, including financial liability to the Primary Provider~~TP~~, from one Transmission Customer to another. PART_TRANSFER = request to transfer a portion, but not all, capacity, and all rights, and obligations, including financial liability associated with the transferred capacity to the Primary Provider~~TP~~, from one Transmission Customer to another. No

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				encumbrances (resales, etc) may be transferred with a PART_TRANSFER. RECALL = request submitted by the Seller (Reseller or Primaryy ~~Transmission~~ Provider) to take back all or a portion of the capacity of a transmission reservation {registered} = Primary Provider's may register values for REQUEST_TYPE to implement specific provisions of their Tariffs.
RESPONSE_TIME_LIMIT	RESPTL	16{ALPHANUMERIC}16	Valid date and time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Date and time to seconds by when a response must be received from a Customer
RESPONSIBLE_PARTY	PARTY	1{ALPHANUMERIC}4	Registered company code for a TP, SC or CA	The company code of the entity responsible for administering a transmission security procedure.
RESPONSIBLE_PARTY_NAME	PARTNAME	1{ALPHANUMERIC}25	Free form text	The name of the person responsible for granting the discretion.
RETURN_TZ	TZ	2{ALPHANUMERIC}2	AD, AS, PD, PS, ED, ES, MD, MS, CD,CS, UT	A time zone code, indicating the base time zone, and whether daylight saving time is to be used. This field may be set by a Customer in a query. Returned date and time data is converted to this time zone.
ROLLOVER_CAPACITY	ROLLCAP	0{NUMERIC}12	Non-negative number in units of MW	The amount of reserve capacity eligible for Rollover over the interval of ROLLOVER_START_TIME to ROLLOVER_STOP_TIME.
ROLLOVER_START_TIME	ROLLSTTIME	0,16,~~16~~{ALPHANUMERIC}16	Valid Date and Time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Start of the interval designating the amount of ROLLOVER_CAPACITY available.
ROLLOVER_STOP_TIME	ROLLSPTIME	0,16,~~16~~{ALPHANUMERIC}16	Valid Date and Time to seconds:	End of the interval designating the amount of ROLLOVER_CAPACITY available.

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
			yyyy+mo+dd+hh +mm+ss+tz	
SALE_REF	SREF	0{ALPHANUMERIC}12	Unique value	Identifier which is set by seller (including Primary Provider) when posting a service for sale
SCHEDULE_GRANTED	SCHEDGRNTED	0{NUMERIC}12	Non-negative number in units of MW	SCHEDULE_GRANTED reflects the MW value of energy actually scheduled by the Transmission Provider at either the point of receipt or delivery, whichever is larger, over the START_TIME/STOP_TIME time interval
SCHEDULE_LIMIT	SCHEDULELIM	0{NUMERIC}12	Non-negative number in units of MW	SCHEDULE_LIMIT reflects the **maximum** MW value over the START_TIME/STOP_TIME interval that the Provider has determined can be scheduled
SCHEDULE_PRIORITY	SPRIORITY	0{NUMERIC}2	Positive Number	SCHEDULE_PRIORITY identifies the relative priority of this particular interchange transaction as compared to all other scheduled transactions with respect to the application of curtailments or interruptions. SCHEDULE_PRIORITY would typically reflect the curtailment priority Data Elements associated with the OASIS transmission reservation used to support the schedule (i.e., NERC_CURTAILMENT_PRIORITY or OTHER_CURTAILMENT_PRIORITY).
SCHEDULE_REF	SCHDREF	0{ALPHANUMERIC}20	Unique reference	Unique reference assigned by Transmission Provider to a posting of a schedule information
SCHEDULE_REQUESTED	SCHEDULEREQ	0{NUMERIC}12	Non-negative number in units of MW	Scheduled energy requested by the Transmission Customer (TC)
SECURITY_REF	SECREF	1{ALPHANUMERIC}10	Unique value	Unique value generated by company initiating the security for each security event in the SECURITY Template.
SECURITY_TYPE	SECTYPE	1{ALPHANUMERIC}6	Valid Values: OUTAGE LIMIT {Registered}	SECURITY_TYPE identifies the type of information posted for the event; restricted values are OUTAGE for postings reflecting the state of critical transmission facilities, and LIMIT for

003-0 OASIS DATA DICTIONARY Version 1.5				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				postings reflecting the implementation of security procedures to limit or reduce scheduled transactions.
SELLER_CODE	SELLER	1{ALPHANUMERIC}6	Unique value	Organization name of Primary Provider or Reseller.
SELLER_COMMENTS	SELCOM	0{ALPHANUMERIC}255	Free-form text	Informative text provided by the Seller. For information communicated between the seller (either Primary Provider or reseller) to the customer of the services.
SELLER_DUNS	SELDUNS	9{NUMERIC}9	Valid DUNS number	Unique Data Universal Numbering System provided by Dun and Bradstreet. Code for a Primary Provider or Seller.
SELLER_EMAIL	SELEMAIL	5{ALPHANUMERIC}60	Valid network reference	E-Mail address of Seller contact person
SELLER_FAX	SELFAX	14{ALPHANUMERIC}20	Area code and telephone number, plus any extensions Example: (aaa)-nnn-nnnn xnnnn	The fax telephone number for contact person at Seller.
SELLER_NAME	SELNAME	1{ALPHANUMERIC}25	Free form text	The name of an individual contact person at the Seller.
SELLER_PHONE	SELPHONE	14{ALPHANUMERIC}20	Area code and telephone number, plus any extensions (aaa)-nnn-nnnn xnnnn	The telephone number of a contact person as a Seller
SELLER_REF	SELREF	0{ALPHANUMERIC}12	Free-form text	Identifier which is set by seller (including Primary Provider) to uniquely identify reservation requests for seller's own internal use
SERVICE_DESCRIPTION	SVCDESC	0{ALPHANUMERIC}200	Free-form text	Information regarding a service.
SERVICE_INCREMENT	SRVINCR	1{ALPHANUMERIC}8	Valid increments · HOURLY · DAILY · WEEKLY · MONTHLY	The transmission service increments provided. Five are pre-defined, while additional increments can be used if they are registered on TSIN.COM and shown in the Provider's LIST Template

003-0 OASIS DATA DICTIONARY Version 1.5				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
			· YEARLY · {Registered}	
SERVICE_NAME	SVCNAME	1{ALPHANUMERIC}25	Free-form text	Name of service affected by the discretionary action
SERVICE_TYPE	SVCTYPE	1{ALPHANUMERIC}25	Free-form text	Type of service affected by the discretionary action.
SINK	SINK	0{ALPHANUMERIC}14	Valid area name	The area in which the SINK is located.
SOURCE	SOURCE	0{ALPHANUMERIC}14	Valid area name	The area in which the SOURCE is located.
SPARE_CODE	N/A	0{ALPHANUMERIC}3	Defined by region	Spare code to be used at a later time. Used by PATH_NAME
STANDARDS_OF_CONDUCT_ISSUES	STDISSUE	0{ALPHANUMERIC}800	Free-form text	Issues that were in violation of the FERC Standards of Conduct. This text may include a reference pointer to a more detailed description.
START_TIME	STIME	16{ALPHANUMERIC}16	Valid Date and Time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Start date and clock time of a service. When used as a Query Variable, it requires the return of all items whose Stop time is after the Start time. Note that for some Templates when used as a Query Variable the time may be only valid up to the hour, day or month. If more data is given than is valid, the hour, day or month will be used to make the date and time inclusive, i.e. date or time will be truncated to valid hour, day or month.
START_TIME_POSTED	STIMEP	16{ALPHANUMERIC}16	Valid Date and Time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Query parameter to indicate all the records are to be retrieved that were posted on or after this time.
START_TIME_QUEUED	STIMEQ	16{ALPHANUMERIC}16	Valid Date and Time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Start date and clock time of a service, used for requesting transactions queued after this time
STATUS	STATUS	5{ALPHANUMERIC}25	Valid field (QUEUED, INVALID, RECEIVED, STUDY, REBID, COUNTEROFFER,	QUEUED = initial status assigned by TSIP on receipt of "customer services purchase request". INVALID = assigned by TSIP or Primary

003-0 OASIS DATA DICTIONARY Version 1.5				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
			DECLINED, SUPERSEDED, ACCEPTED, REFUSED, CONFIRMED, WITHDRAWN, DISPLACED, ANNULLED, RETRACTED)	Provider indicating an invalid field in the request, such as improper POR, POD, source, sink, etc. (Final state). RECEIVED= assigned by Primary Provider or Seller to acknowledge QUEUED requests and indicate the service request is being evaluated, including for completing the required ancillary services. STUDY= assigned by Primary Provider or Seller to indicate some level of study is required or being performed to evaluate service request. REFUSED = assigned by Primary Provider or Seller to indicate service request has been denied due to lack of availability of transfer capability. (Final state).
STATUS (cont.)				COUNTEROFFER= assigned by Primary Provider or Seller to indicate that a new OFFER_PRICE and/or CAPACITY_GRANTED~~OFFER_CAPACITY~~ over time is being proposed in the negotiation of requested service (i.e., offering of partial service or negotiation of price).~~is being proposed or that CAPACITY_GRANTED is less than CAPACITY_REQUESTED~~. REBID = assigned by Customer to indicate that a new BID_PRICE and/or ~~BID_~~CAPACITY_REQUESTED over time is being proposed. SUPERSEDED = assigned by Primary Provider or Seller when a request which has not yet been confirmed is preempted by another reservation request. (Final

003-0 OASIS DATA DICTIONARY Version 1.5				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				state). ACCEPTED = assigned by Primary Provider or Seller to indicate the service request at the designated ~~OFFER_PRICE and CAPACITY_GRANTED~~BID_PRICE and ~~BID_CAPACITY~~CAPACITY_REQUESTED has been approved/accepted. ~~If the reservation request was submitted PRECONFIRMED and CAPACITY_GRANTED is equal to CAPACITY_REQUESTED, the OASIS Node shall immediately set the reservation status to CONFIRMED.~~ Depending upon the type of ancillary services required, the Seller may or may not require all ancillary service reservations to be completed before accepting a request. DECLINED = assigned by the Primary Provider or Seller to indicate that the terms and conditions, such as the BID_PRICE, are unacceptable and that negotiations are terminated or that contractual terms have not been met. (Final state). RETRACTED = assigned by Primary Provider or Seller when the Customer fails to confirm or withdraw the request within the required time period. (Final state). WITHDRAWN = assigned by the Customer during~~at any point in~~ request evaluation to withdraw the request from any further action. (Final state). CONFIRMED = assigned by the Customer in response to the Primary Provider or Seller posting "ACCEPTED" status, to confirm service. Once a request has been

003-0 OASIS DATA DICTIONARY Version 1.5				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				"CONFIRMED", a transmission service reservation exits. (Final state, unless overridden by DISPLACED or ANNULLED state). DISPLACED = assigned by Primary Provider or Seller when a "CONFIRMED" reservation from a Customer is displaced by a higher priority reservation, and the Customer is not offered or has not exercised right of first refusal (i.e. refused to match terms of new request). (Final State.) ANNULLED = assigned by the Seller when, by mutual agreement with the Customer, a confirmed reservation is to be voided, or assigned unilaterally by the Primary Provider when a confirmed reservation is to be voided. (Final State).
STATUS_COMMENTS	STACOM	0{ALPHANUMERIC}255	Free form text	Informative: For information to be communicated by any party to all other parties.
STATUS_NOTIFICATION	STATNOT	0{ALPHANUMERIC}200	http://URL:portnumber/direc otry/cgi script/query parameters or Mailto: <*e-mail address*>	The STATUS_NOTIFICATION Data Element shall contain the protocol field "http:", which designates the notification method/protocol to be used, followed by all resource location information required; the target domain name and port designations shall be inserted into the notification URL based on the Customer's Company registration information. The resource location information may include directory information, cgi script identifiers and URL encoded query string name/value pairs as required by the Customer's application. or mailto and email address for the status information the Customer wants to receive upon a change in STATUS of transstatus, or ancstatus

003-0 OASIS DATA DICTIONARY Version 1.5				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
STOP_TIME	SPTIME	16{ALPHANUMERIC}16	Valid date and time yyyy+mo+dd+hh +mm+ss+tz	Stop date and clock time. When used as a Query Variable, it requires the return of all items which start before the Stop time. Note that for some Templates when used as a Query Variable the time may be only valid up to the hour, day or month. If more data is given than is valid, the hour, day or month will be used to make the date and time inclusive, i.e. date or time will be increased to include STOP_TIME.
STOP_TIME_POSTED	STPTIMEP	16{ALPHANUMERIC}16	Valid Date and Time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Query parameter to indicate all the records are to be retrieved that were posted on or before this time.
STOP_TIME_QUEUED	SPTIMEQ	16{ALPHANUMERIC}16	Valid Date and Time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Stop date and clock time, used for requesting transactions queued before this time
SUBJECT	SUBJ	0{ALPHANUMERIC}80	Free form text	Informative text used to summarize a topic in a message
SYSTEM_ATTRIBUTE	SYSATTR	0{ALPHANUMERIC}15	Valid values: CBM FTRM NFTRM TTC NFATC RNFATC ATC_ANNOTATION ZONE_LOAD_FORECAST SYSTEM_LOAD_FORECAST NATIVE_LOAD_FORECAST ACTUAL_LOAD	Type of system data viewed by SYSTEMDATA systemdata Templatetemplate: CBM – Capacity Benefit Margin FTRM – Transmission Reliability Margin for use in FATCTransmission Reliability Margin NFTRM - Transmission Reliability Margin for use in NFATC TTC – Total Transmission Capability NFATC – Non-recallable (Firm) Available Transmission Capability RNFATC – Recallable (Non-firm) Available Transmission Capability ATC_ANNOTATION – Annotation for a change in monthly or yearly posted ATC. (ZONE_)LOAD_FORECAST – Forecast of

003-0 OASIS DATA DICTIONARY Version 1.5				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
			{Registered} ~~or listed in the LIST Template~~	anticipated Load in a metered zone ~~(Only required for ISOs and RTOs)~~ SYSTEM_LOAD_FORECAST – Forecast of total systemwide load within a Balancing Area NATIVE_LOAD_FORECAST – Forecast of portion of total system load forecast for native load portion ~~Forecast~~ of total system load within a Balancing Area ACTUAL_LOAD – Actual daily peak ~~l l l~~oad values for the metered Balancing Area or metered Zone within the BA posted after the fact {registered} – Provider specific registered name for the data posted
SYSTEM_ELEMENT	SYSELM	1{ALPHANUMERIC}~~50~~255	Free form text	~~How do we want to address different restricted values based on SYSTEM_ELEMENT_TYPE~~ The name of a transmission system element associated with the SYSTEM_ATTRIBUTE being posted. For example, the value of PATH_NAME for records with SYSTEM_ELEMENT_TYPE = PATH. See WEQ 01~~1~~3 for further information. ~~PATH - The name is constructed from the following codes, with each code separated by a "/". Trailing "/" may be omitted, if there are no values for OPTION_CODE and SPARE_CODE:~~ ~~REGION_CODE - 2 chars, unique to OASIS System~~ ~~PRIMARY_PROVIDER_CODE - 4 chars, unique within Region~~ ~~PATH_CODE - 12 chars, unique for Primary Provider~~ ~~OPTIONAL_CODE - 25 chars, unique for Path. If used for directionality, then the first 12 characters shall represent POR,~~

003-0 OASIS DATA DICTIONARY Version 1.5				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				~~followed by "-", followed by 12 characters which shall represent POD~~ ~~SPARE_CODE - 3 chars.~~ ~~POR and POD - Unique value within Primary Provider. Only special character allowed is ".", for example, ab.cde.123~~
SYSTEM_ELEMENT_TYPE	SYSELMTY	1{ALPHA}30	Valid Types: PATH ~~POR~~ ~~POD~~LOAD_ZONE {Registered}	PATH - = Designates that the value of SYSTEM_ELEMENT is the name of a posted path (PATH_NAME). LOAD_ZONE -= Designates that the value of SYSTEM_ELEMENT is the name of the metered zone whose forecast and actual load data is being posted. ~~PATH = (Path Name) Unique name assigned to a single transmission line or the set of one or more parallel transmission lines whose power transfer capabilities are strongly interrelated and must be determined in aggregate. These lines are typically described as being on a path, corridor or interconnection in some regions, or as crossing an interface or cut-plane in other regions. Multiple lines may be owned by different parties and require prorating of capability shares.~~ ~~POR = Point of Receipt is one or more point(s) of interconnection on the Transmission Provider's transmission system where capacity and/or energy transmitted will be made available to the Transmission Provider by the Delivering Party. This is used along with Point of Delivery to define a Path and direction of flow on that path. For internal paths, this would be a specific~~

003-0 OASIS DATA DICTIONARY Version 1.5				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				~~location(s) in the area. For an external path, this may be an area-to-area interface.~~ ~~POD = Point of Delivery is one or more point(s) of interconnection on the Transmission Provider's transmission system where capacity and/or energy transmitted by the Transmission Provider will be made available to the Receiving Party. This is used along with Point of Receipt to define a Path and direction of flow on that path. For internal paths, this would be a specific location(s) in the area. For an external path, this may be an area-to-area interface.~~ {registered} -= Primary Provider's may register values for SYSTEM_ELEMENT_TYPE to implement specific provisions of their Tariffs.
TARIFF_REFERENCE	TARIFF	0{ALPHANUMERIC}150	Free form text. Name and description of Tariff	Tariffs approved by FERC
TEMPLATE	TEMPL	1{ALPHANUMERIC}20	Valid Name of Template from Section 4.3 or from LIST Template	The name of a logical collection of DATA_ELEMENTS in a User's interaction with an OASIS Node.
TIME_OF_LAST_UPDATE	TLUPDATE	16{ALPHANUMERIC}16	Valid date and time to seconds: yyyy+mo+dd+hh+mm+ss+tz	Date and time to seconds that data was last updated. May be used to search data updated since a specific point in time.
TIME_POSTED	TIMEPST	16{ALPHANUMERIC}16	Valid Date and Time to seconds: yyyy+mo+dd+hh+mm+ss+tz	Date and time a message is posted
TIME_QUEUED	TIMEQ	16{ALPHANUMERIC}16	Valid Date and Time to seconds:	Date and time that the request was queued

003-0 OASIS DATA DICTIONARY Version 1.5				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
			yyyy+mo+dd+hh +mm+ss+tz	
TIME_STAMP	TSTAMP	16{ALPHANUMERIC}16	Valid date and Time to seconds yyyy+mo+dd+hh+mm+ss+ tz	Time data is created
TRANSACTION_ID	TRANSID	1{ALPHANUMERIC}30	Free form text	Identifier associated with an interchange transaction that may span multiple SCHEDULE_REF records. May be the NERC Tag id as specified in the NERC Electronic Tagging Functional Specification.
TS_CLASS	TSCLASS	1{ALPHANUMERIC}20	Valid classes: · FIRM · NON-FIRM · TTC · SECONDARY · {Registered}	The transmission service classes provided. Four are pre-defined, while additional classes can be used if they are registered on TSIN.COM and shown in the Provider's LIST Template page. SECONDARY is defined as alternate points of receipt or delivery for POINT_TO_POINT, or as nondesignated resources for NETWORK service. TTC is retained as a Valid Value for historical purposes only.
TS_PERIOD	TSPER	1{ALPHANUMERIC}20	Valid periods: · ON_PEAK · OFF_PEAK · FULL_PERIOD · {Registered}	The transmission service periods provided. Three are pre-defined, while additional periods can be used if they are registered on TSIN.COM and shown in the Provider's LIST Template
TS_SUBCLASS	TSSUBC	0{ALPHANUMERIC}20	Free Form	The transmission service subclasses provided. These are freeform.
TS_TYPE	TSTYPE	1{ALPHANUMERIC}20	Valid types · POINT_TO_POIN T · NETWORK · ATC · {Registered}	The transmission service types provided. Three are pre- defined, while additional types can be used if they are registered on TSIN.COM and shown in the Provider's LIST Template ATC is retained as a Valid Value for historical

003-0 OASIS DATA DICTIONARY Version 1.5				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				purposes only.
TS_WINDOW	TSWIND	1{ALPHANUMERIC}20	Valid windows · FIXED · SLIDING · EXTENDED · NEXT_INCREMENT · {Registered }	The transmission service windows provided. Four are pre-defined, while additional windows can be used if they are registered on TSIN.COM and shown in the Provider's LIST Template
TZ	TZ	2{ALPHANUMERIC}2	Valid time zone and indication whether daylight savings time is to be used	Time zones: Atlantic time = AD, AS Eastern time = ED, ES Central time = CD, CS Mountain time = MD, MS Pacific time = PD, PS Universal time = UT
VALID_FROM_TIME	VALFTIME	16{ALPHANUMERIC}16	Valid date and time yyyy+mo+dd+hh +mm+ss+tz	Date and time after which the message is valid
VALID_TO_TIME	VALTTIME	16{ALPHANUMERIC}16	Valid date and time yyyy+mo+dd+hh +mm+ss+tz	Date and time before which the message is valid
VERSION	VER	1{REAL NUMBER}6	Range of 1.0 to 9999.9	Specifies which version of the OASIS Standards and Communication Protocol to use when interpreting the request

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Document Change Log:

Date	Section	Description of Change
06/06/2007	All	Pertinent business process related requirements to be implemented as part of the OASIS Standards have been incorporated into this first version of the OASIS Implementation Guide.
06/06/2007	All	Global change of Primary Transmission Provider to Primary Provider and global change of Transmission Provider to Primary Provider.
06/06/2007	013-2	OASIS S&CP Standards 002-4.10.2 and 002-4.10.2.1 have been consolidated into 013-2.
06/06/2007	013-2.1	Enumerated values for OASIS REQUEST_TYPE data element from OASIS S&CP Standard 002-4.2.13 have been consolidated into 013-2.1.
06/06/2007	013-2.2	OASIS S&CP Standard 002-4.2.10.2 Status Values has been incorporated into Standard 013-2.2.
06/06/2007	013-2.3 through 2.6	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013-2.6 and subordinate Standards.
06/06/2007	013-3	Standards added to describe specific implementation requirements associated with certain OASIS Standard templates.
06/06/2007	013-4.1	OASIS S&CP Standard 002-4.4, File Examples, and all subordinate standards have been incorporated into this document in their entirety into Standard 013-4.1.
06/06/2007	013-4.2	Examples for Ancillary Services linkage to Transmission Services from OASIS S&CP Standard 002-4.2.12 have been incorporated into this document in their entirety into Standard 013-4.2
~~07~~09/25/2007	Various	General change to bid/offer data element names incorporated per corresponding change made to WEQ 002.
~~07~~09/25/2007	013-2	For Transfers, require both Seller and Provider to ~~post "ACCEPTED"~~set request to accepted/approved.
~~07~~09/25/2007	013-2.1	Add REQUEST_TYPEs of FULL_TRANSFER and PART_TRANSFER.
~~07~~09/25/2007	013-2.2	Added restriction on withdrawal of certain pre-confirmed requests and actions to be taken by the TP on customer request to withdraw such request.
~~07~~09/25/2007	013-2.2.1	Document restrictions on setting request state to ACCEPTED.
~~07~~09/25/2007	013-2.2.2	Document restrictions on setting request state to CONFIRMED.
~~07~~09/25/2007	013-2.3	Added language to include FULL and PART_TRANSFER for REQUEST_TYPES. Added limitation that Customer cannot set STATUS to WITHDRAWN for pre-confirmed request.

0709/25/2007	013-2.4.2	Added note about new set of BPs related to displacement/competition that have yet to be established
0709/25/2007	013-2.5	Added REQUEST_TYPE of RECALL
0709/25/2007	013-2.6.1	Modified Data Elements for ORIGINAL Requests and added definition of term of service.
0709/25/2007	013-2.6.1.1	Modified data elements and added language on Customer rebid.
0709/25/2007	013-2.6.1.2	Modified data elements and added language on OASIS verifying bid and offer data elements matching to confirm requests.
0709/25/2007	013-2.6.1.3	Modified to reflect new bid/offer data elements and added Rollover Rights to transstatus template
0709/25/2007	013-2.6.2	Added caveat that Customer of RENEWAL may not be current rights holder due to agency arrangements between LSE and scheduling PSE(s).
0709/25/2007	013-2.6.3	Modified data elements
0709/25/2007	013-2.6.4	Modified data elements
0709/25/2007	013-2.6.5.1	Added obligation to document conveyance of any rollover rights from parent to redirect request on a firm basis.
0709/25/2007	013-2.6.5.2	Modified data elements, added PRECONFIRMED, and removed language requiring evaluating REDIRECT on Non-Firm basis same as other non-firm point to point.
0709/25/2007	013-2.6.6.1	Modified data elements for RELINQUISH
0709/25/2007	013-2.6.7.1	Modified data elements for RESALE on OASIS, added requirement for bid price, and added requirement for executed service agreement
0709/25/2007	013-2.6.7.2	Modified data elements for RESALE off OASIS, added requirement for bid price, and added requirement for executed service agreement
0709/25/2007	013-2.6.8	Section and subsections added to document Transfers.
0709/25/2007	013-3.2	Include new ANNOTATION data element associated with security events.
0709/25/2007	013-3.3	New section on ***systemdata*** template with subsections describing posting requirements for path ATC, and load data.
079/25/2007	013-3.4	New section and subsections on ***security*** template describing requirements for posting and examples of other uses of this template.
079/25/2007	013-3.5	New section describing ***transoffering*** template handling of offers posted for resale.
079/25/2007	013-3.6	New section describing ***transpost/transupdate*** template handling of posting and updating offers for resale.
09/25/2007	013-3.7	New section describing ***transstatus*** template reporting of reservation profiles,
079/25/2007	013-3.87	New section describing ***reduction*** template reporting of reservation impacts on capacity or priority,
079/25/2007	013-4.1.8	New section documenting file response format for the ***reduction*** template.
079/25/2007	013-4.1	Revised all file examples to reflect changes made to template structures for Version 1.5.

Business Practices Requirements:

013-1 INTRODUCTION

This OASIS Implementation Guide establishes general and specific transaction processing requirements and related business processes required for OASIS. The technical standards for OASIS are defined in Standards WEQ 002 and WEQ 003, and the companion business practice standards are defined in Standards WEQ 001.

In the event of a conflict between a Primary Provider's Tariff, applicable business practices, and this Implementation Guide, the Tariff shall take precedence over all, and business practices shall take precedence over this document. A Primary Provider is not obligated to implement a particular requirement in this Implementation Guide if the Primary Provider's Tariff does not contain the associated provision or the Primary Provider has received a waiver.

This version of the OASIS Implementation Guide corresponds to the OASIS Standards and Communication Protocols (S&CP) Version 1.5.

013-1.1 Usage of Terms

The following terms as used throughout this Implementation Guide are to be interpreted as follows:

OASIS – Refers to the Primary Provider's implementation of the OASIS Customer interface as defined in Standards WEQ 002, **and** any back-end supporting systems or user procedures that collectively perform the transaction processing functions associated with handling of requests on OASIS.

Business Practice – Refers collectively to any business practices adopted by the Primary Provider as defined in their Open Access Transmission Tariff (OATT), NAESB ratified Business Practice Standards, or provider specific practices or requirements.

Template – Refers generically, or by reference to a specifically named template, to the templates defined for the Customer interface to OASIS in Standards WEQ 002, **including** the displays and forms associated with the web browser based user interface implementing the functions of an OASIS defined template.

Data Element – Refers generically, by either full name or alias, to a data element defined in the Data Dictionary (WEQ 003). No distinction between the use of full name or alias is intended.

Must, **shall,** or **required** – Define specific requirements for OASIS processing that are not optional and must be implemented as described.

May, **should,** or **optional** – Define optional requirements that are recommended for implementation in OASIS but are not specifically required under these Standards.

Additional terms defined in Standards WEQ 001 and WEQ 002 are also hereby incorporated by reference.

013-2 OASIS TRANSACTION PROCESSING

The basic OASIS transaction process is described below. This Implementation Guide also provides additional requirements and guidance for processing specific types of business transactions in the implementation of OASIS. Note that the (Primary) Primary Provider may, but is not limited to, interacting with OASIS using the Transmission Customer template or user interface. Primary Providers may also implement OASIS functions on back-end systems and are not required to perform all transaction processing on an OASIS node proper, provided that the results of all transaction processing are correctly posted on OASIS as required by the Tariff, regulation, or other established business practices.

The following is a summary of the templates used and actions that may be taken by the Customer and Seller to execute a transaction on OASIS. Note that the OASIS Standards require all template functionality to be provided through a User Interface. While this discussion focuses on template execution, all actions must be supported through a browser-based User Interface. Detailed examples of the transaction process and description of the business logic envisioned to be implemented as part of the Primary Provider's OASIS or other back-end transaction support services are provided in subsequent sections of this Implementation Guide.

a. The ***transrequest*** and ***ancrequest*** Templates shall be used by the Customer to enter a transaction request for specific transmission or ancillary services from a specified Seller. All pertinent transaction-specific information must be provided in the template data elements.

b. The ***transstatus*** and ***ancstatus*** Templates shall be used by both Customer and Seller to query for the current transaction information (e.g., STATUS). Alternatively, the Customer may request dynamic notification per WEQ 002-4.2.10.3 whenever the transaction data is changed.

c. The ***transsell*** and ***ancsell*** Templates shall be used by the Seller to indicate to the Customer whether the request is acceptable or not by setting the transaction STATUS to one of **RECEIVED, INVALID, STUDY, COUNTEROFFER, ACCEPTED, REFUSED, SUPERSEDED, DECLINED, DISPLACED, ANNULLED,** or **RETRACTED**. A Primary Provider as the Seller may use the *transsell and ancsell* Templates to act on requests or may use proprietary software solutions to perform this function in a similar manner.

d. The ***transcust*** and ***anccust*** Templates shall be used by the Customer to indicate to the Seller whether they wish to negotiate, confirm or withdraw the transaction by setting the transaction STATUS to one of **REBID, CONFIRMED,** or **WITHDRAWN.**

e. The ***transassign*** and ***ancassign*** Templates shall be used by the Seller to notify the Primary Provider of the transfer of rights from the Seller to the Customer consummated off the OASIS Node.

f. The source of all Customer and Seller contact information shall be provided under WEQ 002-3.1 REGISTRATION AND LOGIN REQUIREMENTS. Therefore, it shall not be input as part of uploads, but shall be provided as part of all transaction downloads.

g. OASIS Nodes shall accept a Seller-initiated change in STATUS to ACCEPTED only when OFFER_PRICE matches BID_PRICE.

h. OASIS Nodes shall accept a Customer-initiated change in STATUS to CONFIRMED only when BID_PRICE matches OFFER_PRICE.

i. If CAPACITY_GRANTED is null when STATUS is being changed to ACCEPTED or CONFIRMED, the OASIS Node shall set it equal to CAPACITY_REQUESTED.

j. OASIS Nodes shall set the initial transaction STATUS of the request to QUEUED and assign a unique ASSIGNMENT_REF identifier for the transaction.

k. If the Customer has identified the transaction as PRECONFIRMED and the Seller has set the transaction STATUS to ACCEPTED, OASIS Nodes shall automatically set the transaction's STATUS to CONFIRMED without any Customer interaction required. For transfers (PART_TRANSFER and FULL_TRANSFER), the Seller must have posted "ACCEPTED" in the STATUS and the Primary Provider must have posted "Y" in the PRIMARY_PROVIDER_APPROVAL data elements respectively before the OASIS Nodes will automatically set the transaction's STATUS to CONFIRMED.

l. If the Customer has identified the transaction as PRECONFIRMED and the Seller has set the transaction STATUS to COUNTEROFFER, OASIS Nodes shall take no automatic confirmation action on the transaction and require explicit confirmation by the Customer.

This transaction process flow is depicted in the diagram below.

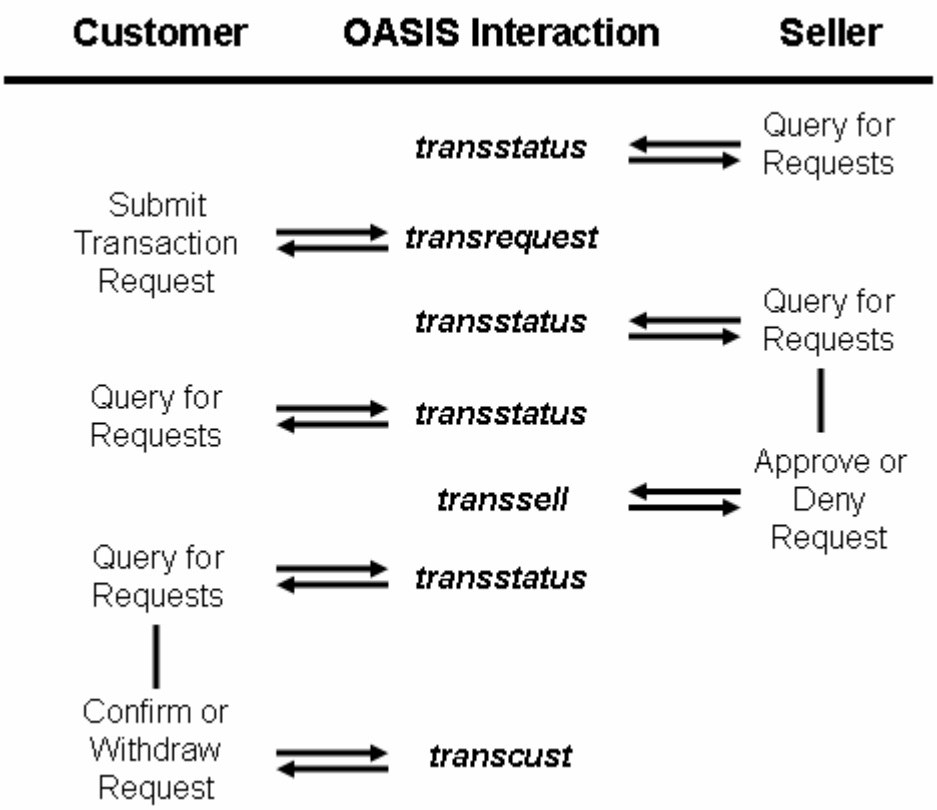

Exhibit 1 Transaction Template Usage Diagram

The above sequence of actions is altered slightly in the implementation of REQUEST_TYPE of PART_TRANSFER or FULL_TRANSFER. For these transactions, approval is required from both the Seller (Reseller) and the Primary Provider. OASIS shall require that the Seller has indicated their approval of the transfer by setting the STATUS to ACCEPTED and the Primary Provider has indicated their approval by setting PRIMARY_PROVIDER_APPROVAL to Y prior to allowing the Customer to set the transaction status to CONFIRMED.

013-2.1 Transaction Request Types

The following are the valid OASIS transaction request types (template data element REQUEST_TYPE) that may be submitted by the Customer unless otherwise noted, along with a brief description of their intended use:

ORIGINAL = typical reservation requests submitted to the Primary Provider (as the Seller of the transmission or ancillary service)

RESALE = secondary market requests for assignment of scheduling rights submitted to a Transmission Customer as Secondary Provider

RENEWAL = request to renew an expiring transmission reservation that has rollover rights

MATCHING = request to meet or exceed a competing request to retain transmission service (right of first refusal)

DEFERRAL = request to defer or apply for an extension on start of transmission service

REDIRECT = request to redirect all or portion of a transmission reservation to an alternate POR/POD and/or make other changes to the terms of service as permitted

RELINQUISH = request to release all or a portion of the capacity of a Redirect on a Non-Firm basis to the Firm Parent Reservation

FULL_TRANSFER = request to transfer all capacity, rights, encumbrances and obligations, including financial liability to the Primary Provider, from one Transmission Customer to another.

PART_TRANSFER = request to transfer a portion, but not all, capacity, and all rights, and obligations, including financial liability associated with the transferred capacity to the Primary Provider, from one Transmission Customer to another. No encumbrances (resales, etc) may be transferred with a PART_TRANSFER.

RECALL = request submitted by the Seller (Reseller or Primary Provider) to take back all or a portion of the capacity of a transmission reservation

{registered} = A Primary Provider may register values for REQUEST_TYPE to implement specific provisions of their Tariff.

This Implementation Guide contains detailed descriptions on the use of each transaction REQUEST_TYPE and explains the business processes to be implemented in association with each of these requests as specified by the OASIS Business Practice Standards, WEQ 001.

013-2.2 Transaction Status

The following are the defined values that may appear in the STATUS data element associated with a given OASIS transaction:

QUEUED = initial status assigned by TSIP on receipt of "customer services purchase request."

INVALID = assigned by TSIP, or Primary Provider indicating an invalid field in the request, such as improper POR, POD, source, sink, etc. (Final state).

RECEIVED = assigned by Primary Provider or Seller to acknowledge QUEUED requests and indicate the service request is being evaluated, including for completing the required ancillary services.

STUDY= assigned by Primary Provider or Seller to indicate some level of study is required or being performed to evaluate service request.

REFUSED = assigned by Primary Provider or Seller to indicate service request has been denied due to lack of available transfer capability. (Final state).

COUNTEROFFER = assigned by Primary Provider or Seller to indicate that a new value for OFFER_PRICE and/~~is being proposed~~ or ~~OFFER that~~ CAPACITY_GRANTED over time is being proposed in the negotiation of requested service, i.e., offering of partial service or negotiation of price~~ GRANTED is less than CAPACITY_REQUESTED~~.

REBID = assigned by Customer to indicate that a new value for BID_PRICE and/or ~~BID_~~CAPACITY_REQUESTED over time is being proposed.

SUPERSEDED = assigned by Primary Provider or Seller when a request which has not yet been confirmed is preempted by another reservation request. (Final state).

ACCEPTED = assigned by Primary Provider or Seller to indicate the service request at the designated BID~~OFFER~~_PRICE and ~~BID_~~CAPACITY_REQUESTED ~~GRANTED~~ has been approved/accepted. ~~If the reservation request was submitted PRECONFIRMED and CAPACITY_GRANTED is equal to CAPACITY_REQUESTED, the OASIS Node shall immediately set the reservation status to CONFIRMED.~~ Depending upon the type of ancillary services required, the Seller may or may not require all ancillary service reservations to be completed before accepting a request.

DECLINED = assigned by Primary Provider or Seller to indicate that the terms and conditions of the request, such as the BID_PRICE, are unacceptable and that negotiations are terminated or that contractual terms and conditions have not been met. (Final state).

CONFIRMED = assigned by Customer in response to Primary Provider or Seller posting "ACCEPTED" status, to confirm service. Once a request has been "CONFIRMED," a transmission service reservation exists. (Final state, unless overridden by DISPLACED or ANNULLED state).

WITHDRAWN = assigned by Customer during~~at any point in~~ request evaluation to withdraw the request from any further action. (Final state).

DISPLACED = assigned by Primary Provider or Seller when a "CONFIRMED" reservation from a Customer is displaced by a higher priority reservation and the Customer is not offered or has not exercised right of first refusal (i.e. refused to match terms of new request). (Final state).

ANNULLED = assigned by the Seller when, by mutual agreement with the Customer, a confirmed reservation is to be voided, or assigned unilaterally by the Primary Provider when a confirmed reservation is to be voided. (Final state).

RETRACTED = assigned by Primary Provider or Seller when the Customer fails to confirm or withdraw the request within the required time period. (Final state).

The following state transition diagram shouldcan be used as a business process guideline and illustrates the valid changes that may be made to the STATUS value by the Seller and Customer during the transaction process; however, individual tariffs may dictate specific allowed actions between states that are not reflected in this diagram.

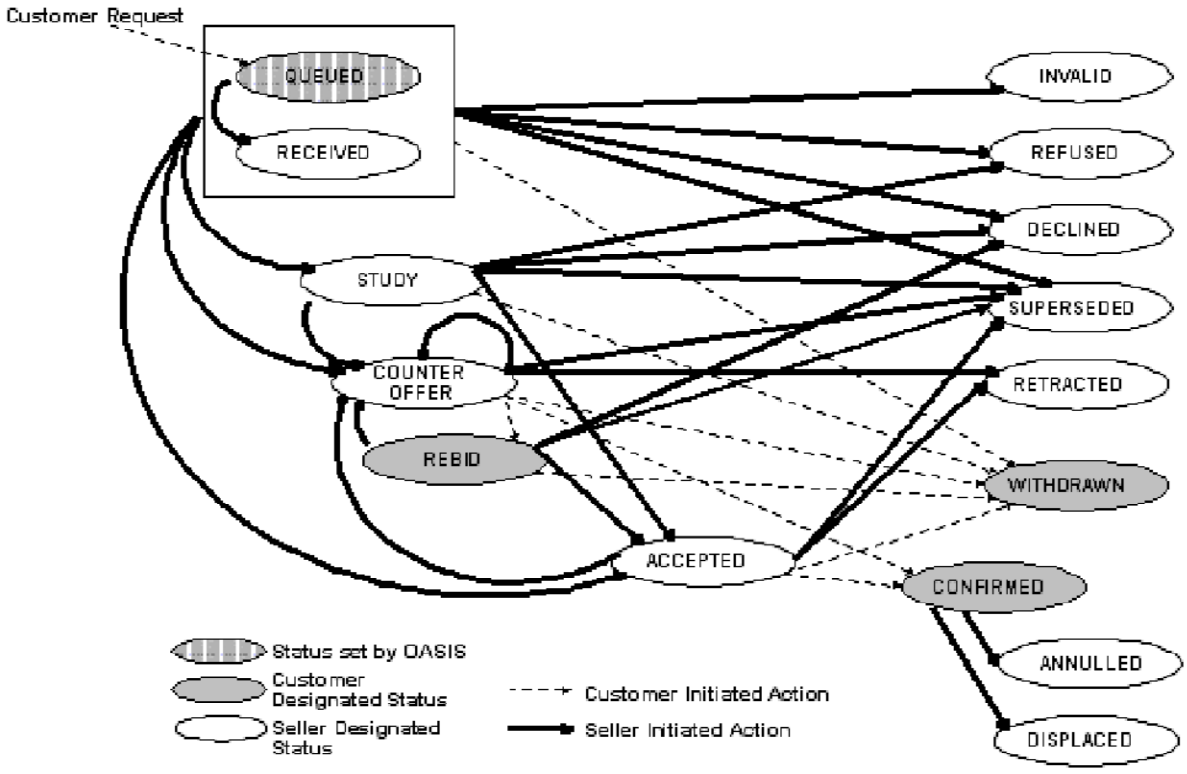

Exhibit 2 - State Diagram of Purchase Transactions

Pre-confirmed requests for Short term Firm and Non-Firm Point-to-Point service may not be withdrawn by the Customer unless the request has been counter offered by the Seller. At the Customer's request, however, the Transmission Provider may use its discretion and move the request from any STATUS value to ANNULLED to void the transaction. For clarity, this is not shown in the above exhibit. Pre-confirmed request for Long term Firm Point-to-Point service, Network service, and Point-to-Point redirects on a Non-Firm basis may be withdrawn by the Customer at any time prior to confirmation.

013-2.2.1 ACCEPTED Status Restrictions

OASIS shall block a request from being set to a STATUS of ACCEPTED by the Seller if the values for OFFER ~~START TIME~~PRICE and CAPACITY GRANTED, ~~OFFER STOP TIME, OFFER CAPACITY and OFFER PRICE~~ do not exactly match the corresponding values for BID PRICE and CAPACITY REQUESTED over every START TIME/STOP TIME interval.

START_TIME, BID_STOP_TIME, BID_CAPACITY and BID_PRICE data elements. This ensures that both parties to the transaction are in agreement to the terms of the request.

If the request is flagged as PRECONFIRMED=YES, OASIS shall immediately set the request STATUS to CONFIRMED when it is ACCEPTED, with the exception of the PART TRANSFER and FULL TRANSFER requests. For these two REQUEST TYPEs, OASIS shall require that STATUS has been set to ACCEPTED and PRIMARY_PROVIDER_APPROVAL has been set to Y before moving the request to CONFIRMED.

013-2.2.2 CONFIRMED Status Restrictions

OASIS shall block a request from being set to a STATUS of CONFIRMED by the Customer (or automatically by OASIS if pre-confirmed) if the values for BID START TIME, BID STOP TIME, BID CAPACITY and BID PRICE and CAPACITY_REQUESTED do not exactly match the corresponding values for OFFER START TIME, OFFER STOP TIME, OFFER CAPACITY and OFFER PRICE and CAPACITY GRANTED over every START_TIME/STOP_TIME interval. data elements. This ensures that both parties to the transaction are in agreement to the terms of the request.

For PART TRANSFER and FULL TRANSFER requests, OASIS shall require that STATUS has been set to ACCEPTED and PRIMARY_PROVIDER_APPROVAL has been set to Y before allowing the Customter to set STATUS to CONFIRMED.

013-2.3 Basic OASIS Transaction Handling

Requests to reserve or purchase transmission or ancillary service shall be submitted to OASIS by the Transmission Customer via the ***transrequest*** or ***ancrequest*** templates.

The Seller specified in the request must be the Primary Provider for REQUEST_TYPEs of ORIGINAL, REDIRECT, RELINQUISH, RENEWAL, or DEFERRAL. The Seller specified in the request must be a registered entity other than the Primary Provider for REQUEST_TYPE of RESALE, FULL_TRANSFER or PART_TRANSFER. The Seller may be either the Primary Provider or another registered entity for REQUEST_TYPE of MATCHING.

OASIS should screen submitted requests to validate proper use of REQUEST_TYPE. Additional restrictions based on specific REQUEST_TYPEs are detailed in subsequent Standards. Validations on the service requested, service start time and duration, submission time, etc., are established by business practice.

Once successfully submitted on OASIS, the Seller may take any of the following actions via the ***transsell/ancsell*** template:

- Acknowledge receipt by setting STATUS to RECEIVED or STUDY
- Deny the request by setting STATUS to INVALID, DECLINED, or REFUSED
- Approve the request by setting STATUS to ACCEPTED or COUNTEROFFER

At any time during the processing of a ~~the~~ request ~~which is not pre-confirmed~~, the Customer may set STATUS to WITHDRAWN to remove the request from further consideration by the Seller~~.~~ with the exception of certain pre-confirmed requests as specified in WEQ 013-2.2.

Once the Seller approves the request, the Customer may take any of the following actions via the ***transcust/anccust*** template:

- WITHDRAW the request
- Continue negotiation of the request by setting STATUS to REBID
- Complete the request by setting STATUS to CONFIRMED

Prior to final confirmation by the Customer, the Seller may override their approval of the request with the following actions:

- Retract approval based on exceeding of customer confirmation time limits and/or scheduling deadlines or other criteria established by business practice by setting the STATUS to RETRACTED
- Retract approval based on receipt of a higher priority competing request by setting the STATUS to SUPERSEDED

Once CONFIRMED on OASIS by the Customer a service reservation shall be deemed to exist. The Seller or the Primary Provider make~~may take~~ the following changes to~~actions on~~ a CONFIRMED service reservation:

- Nullify the reservation for cause by setting the STATUS to ANNULLED
- Displace the reservation in-whole to accommodate a higher priority competing request by setting the STATUS to DISPLACED

Seller's shall provide a reason in the SELLER_COMMENTS whenever a service request is set to the STATUS of INVALID, REFUSED, DECLINED, RETRACTED, SUPERSEDED, ANULLED or DISPLACED. The Primary Provider, when not acting as the Seller, shall provide a reason in the PROVIDER_COMMENTS whenever a service request is set to the STATUS of ANNULLED or DISPLACED.

013-2.4 Displacement

Displacement of an OASIS reservation may occur when a higher priority transmission service request is received by the Primary Provider and there is insufficient Available Transfer Capability (ATC)~~Capacity~~ to honor that request, but capacity could be made available through the displacement of lower priority requests/reservations. The following Standards describe the business process to be implemented on OASIS when this occurs.

013-2.4.1 Displacement – No Right of First Refusal

Confirmed transmission reservations may be subject to displacement in the event competing, higher priority requests are received by the Primary Provider.

If the existing Customer does not have the right of first refusal and all capacity from that Customer's confirmed reservation is required to accommodate the higher priority request, the Primary Provider shall set the existing reservation's STATUS to DISPLACED. The STATUS of DISPLACED indicates that the reservation has been displaced in its entirety.

If only a portion of the confirmed reservation's capacity is required to accommodate the higher priority request, the Primary Provider shall document the "recall" of reserved capacity from the lower priority confirmed reservation by incrementing the IMPACTED counter on that reservation and posting on OASIS the amount and time frames over which that reservation's capacity was reduced, i.e., a partial displacement. The Transmission Customer may view all impacts to existing transmission service reservations (e.g., partial displacements, secondary sales, etc.) using the ***reduction*** Template.

A reference to the competing transmission service request that forced the displacement should be entered in the SELLER_COMMENTS field of the displaced reservation.

013-2.4.2 Displacement – With Right of First Refusal

Confirmed transmission reservations may be subject to displacement in the event competing, higher priority requests are received by the Primary Provider, but have the right of first refusal to retain their transmission service.

If the Primary Provider's Tariff obligates, or the Primary Provider elects to grant the original Customer the right of first refusal, the existing Customer shall be

notified of the competing request. The Primary Provider shall set the existing lower priority reservation's COMPETING_REQUEST_FLAG to Y and update the SELLER_COMMENTS to include the ASSIGNMENT_REF associated with the higher priority competing request. These actions will initiate electronic notification, provided the Customer has elected to receive such notification.

If the existing Customer elects to meet the terms and conditions of the competing request, that Customer shall submit a new MATCHING reservation request using the ***transrequest*** template. The specific requirements associated with submission of MATCHING requests are detailed in Standard 013-2.6.3.

If the Primary Provider accepts and the Customer confirms the MATCHING request, the Primary Provider shall set the STATUS of the competing request to "REFUSED" and set the STATUS of the existing lower priority confirmed reservation to "DISPLACED". The STATUS of DISPLACED indicates that the reservation has been displaced in its entirety and has been replaced by the confirmed MATCHING reservation.

If the existing Customer does not elect to meet the terms of the competing request, the Primary Provider shall displace the existing lower priority reservation, in whole or in part, in the same manner described for displacement of reservations that are not extended a right of first refusal.

Once the result of the competition is resolved, whether through MATCHING or displacement of the existing reservation, the Primary Provider shall reset the COMPETING_REQUEST_FLAG to "N" in the reservation subject to displacement.

013-2.5 Primary Provider Recalls

There are cases in implementing provisions of the Primary Provider's Tariff that the capacity reserved by a Transmission Customer may be reduced in whole or in part, e.g. Displacement or Interruption. The particular reasons for these reductions are Tariff specific.

The Primary Provider shall provide a mechanism to post on OASIS any such reductions or "recalls" in reserved capacity. The Customer shall be notified of any and all such reductions in reserved capacity by the incrementing of the IMPACTED counter in association with those reservations that are reduced; the IMPACTED flag is viewable with the ***transstatus*** template. Specific information regarding the exact nature of each reduction in the reserved capacity under a given transmission reservation shall be posted and viewable with the ***reduction*** template.

A specific example of a Primary Provider initiated recall of reserved capacity is the implementation of a partial displacement of a transmission reservation. In this instance, the Customer has not elected (or was not required to be offered) to match the terms of a higher priority, competing request. The Primary Provider "recalls" that capacity necessary to accommodate the higher priority request from the existing lower priority reservation. The IMPACTED counter of that reservation is incremented, and a query using the ***reduction*** template for

that reservation would show the Customer the amount and time-frame over which the Customer's reserved capacity was recalled by the Primary Provider.

Interruption of transmission service, where that interruption directly impacts the rights of the Customer to schedule any service under that reservation, is another example of an impact to reserved capacity that would be posted as a Primary Provider initiated recall of reserved capacity. Secondary market sales of transmission rights are not examples of a Primary Provider initiated recall of reserved capacity, but the impact of any such sales shall also be returned in response to execution of the ***reduction*** Template.

The Primary Provider may elect to post recalls of reserved capacity using the OASIS REQUEST_TYPE of RECALL. Documenting Primary Provider initiated recalls of capacity with a RECALL request is optional; posting the impacts of those recalls to be made available under the ***reduction*** template is mandatory. If the RECALL request is used by the Primary Provider, its use must be implemented in compliance with the Standards for RECALL requests.

013-2.6 Transaction Specific Handling

The following Standards identify specific OASIS data elements and processing requirements that must be implemented by OASIS and/or associated back-end support systems. The results of all transaction processing shall be viewable by all appropriate entities via the ***transstatus/ancstatus*** templates and corresponding OASIS User Interface.

013-2.6.1 ORIGINAL Requests

ORIGINAL requests shall be submitted by the Customer to arrange for new transmission or ancillary service with the Primary Provider.

The following are specific restrictions or requirements for OASIS service requests with REQUEST_TYPE of ORIGINAL. If REQUEST_TYPE is not specified by the Customer and SELLER_CODE and SELLER_DUNS are the same as PRIMARY_PROVIDER_CODE and PRIMARY_PROVIDER_DUNS, OASIS shall default REQUEST_TYPE to ORIGINAL.

Data Element	Restriction/Requirement
REQUEST_TYPE	Must be ORIGINAL
RELATED_REF	Must be null
SELLER_CODE	Must match PRIMARY_PROVIDER_CODE
SELLER_DUNS	Must match PRIMARY_PROVIDER_DUNS

Additional requirements related to the specification of service points, attributes, pricing, and timing are subject to the Primary Provider's business practices.

The Transmission Customer may submit a time varying profile of capacity as allowed by the Primary Provider's business practice by repeating the template data elements of BID_PRICE, CAPACITY_REQUESTED, START_TIME, ~~and~~ STOP_TIME in template continuation records. The segments of any submitted profile must~~,~~ not overlap in time.

Once submitted by the Customer the earliest ~~BID~~ START_TIME and latest ~~BID~~ STOP_TIME defines the overall term of service. Any further negotiation or offer of partial service may modify the segments/profiles times, but any such modifications must span the entire period from the original earliest ~~BID~~ START_TIME to latest ~~BID~~ STOP_TIME.

013-2.6.1.1 Offering of Partial Service

If in the evaluation of a transmission request, the Primary Provider determines that only a portion of the Customer's requested capacity (CAPACITY_REQUESTED Data Element) can be accommodated and that the Primary Provider is obligated or elects to offer the Customer only a portion of the requested capacity, the Primary Provider shall set the values for START_TIME, STOP_TIME, CAPACITY_GRANTED ~~Data Element associated with that transmission service request to the amount available~~ and OFFER_PRICE as appropriate, and set the request's STATUS to COUNTEROFFER.

If the CAPACITY_REQUESTED and/or CAPACITY_GRANTED are not constant over time, continuation records shall be used to convey the time varying profile of MW capacity associated with the transmission request. ~~via the Data Elements CAPACITY_REQUESTED, OFFER_CAPACITY_GRANTED, START_TIME, OFFER and STOP_TIME, OFFER_CAPACITY, and OFFER_PRICE.~~ The profile of CAPACITY_GRANTED and OFFER_PRICE must span the entire START_TIME to STOP_TIME interval initially requested by the Customer even if CAPACITY_GRANTED is zero.

The Customer shall recognize the offer of partial service by CAPACITY_GRANTED not being equal to CAPACITY_REQUESTED and the request STATUS of COUNTEROFFER. The Customer may elect to CONFIRM, WITHDRAW, or REBID for partial service ~~the reservation~~ using the ***transcust*** Template. To rebid for partial service the customer shall specify the revised ~~BID~~ START_TIME, ~~BID~~ STOP_TIME, ~~BID~~ CAPACITY_REQUESTED and BID_PRICE values and set the transaction status to REBID using the ***transcust*** Template. OASIS shall restrict ~~BID~~ CAPACITY_REQUESTED on a rebid to not exceed the Seller's most recent ~~OFFER~~ CAPACITY_GRANTED over time.

If the transmission reservation request was marked PRECONFIRMED by the Customer and an offer of partial service is extended, the reservation request must be explicitly CONFIRMED by the Customer. The OASIS node shall not automatically confirm a request where CAPACITY_REQUESTED and/or BID_PRICE does not equal CAPACITY_GRANTED and/or OFFER_PRICE over time when/if an attempt is made to set STATUS to ACCEPTED.

The Primary Provider shall use this same process in handling the deferral to the start of transmission service due to delays in completing the necessary transmission system studies associated with the request. In these cases, the Primary Provider shall document the deferral by setting an initial transmission service profile record with CAPACITY ~~GRANTED~~ set to 0 MWs and ~~OFFER~~ START_TIME set to the ~~beginning with the~~ originally requested START_TIME, and STOP_TIME coincident with the delayed start of service.

The Primary Provider shall then specify the capacity to be made available to the Customer in one or more subsequent transmission service profile continuation records by defining ~~CAPACITY_GRANTED,~~ START_TIME, ~~and~~ STOP_TIME, ~~OFFER_~~CAPACITY_GRANTED and OFFER_PRICE as appropriate.

Note that OASIS must verify that the values for ~~BID_START_TIME, BID_STOP_TIME, BID_~~CAPACITY_REQUESTED, and BID_PRICE match the values for ~~OFFER_START_TIME, OFFER_STOP_TIME, OFFER_~~CAPACITY_GRANTED and OFFER_PRICE over each START_TIME/STOP_TIME interval, and block any attempt to set request status to ACCEPTED or CONFIRMED if these Data Elements are not equal. This ensures that both parties to the transaction agree to the final term and price of service.

013-2.6.1.2 Negotiation of Price

Negotiation of price is initiated by the Customer submitting a service request (via ***transrequest/ancrequest***) with a BID_PRICE that is different (higher or lower) from the currently posted offer price, or the tariff rate, for that service. The following negotiation process is required where the Seller is the Primary Provider. Resales or transfers between Transmission Customers may use this process, but there is no obligation on the (Re)Seller to offer a negotiated rate to other Customers.

If the Seller determines that the BID_PRICE is acceptable, the following actions must be taken (via ***transsell/ancsell***):

- Update the currently posted offer price for the service requested and all other applicable services offered as dictated by current discounting policy (e.g., all unconstrained paths to the same point of delivery) to match BID_PRICE;
- Update the request's NEGOTIATED_PRICE_FLAG to 'L' or 'H' if the BID_PRICE was lower than or higher than, respectively, the posted price when the request was submitted;
- Set the OFFER_PRICE equal to the BID_PRICE;
- Set the CAPACITY_GRANTED appropriately (if left null or undefined, OASIS shall set CAPACITY_GRANTED equal to CAPACITY_REQUESTED when STATUS is set to ACCEPTED);
- Set the request STATUS to ACCEPTED (or COUNTEROFFER if offering partial service)

The Customer may then confirm the purchase or withdraw the request by updating the request STATUS (via ***transcust/anccust***).

If the Seller determines that the BID_PRICE is unacceptable, and negotiation of price is not going to be entertained, the Seller shall set the request STATUS to DECLINED (via ***transsell/ancsell***):

If the Seller elects to enter into price negotiation, the following actions must be taken (via ***transsell/ancsell***):

- If the price to be counter offered by the Primary Provider to the Customer is different than the currently posted offer price:

- Update the currently posted offer price for the service requested and all other applicable services offered as dictated by current discounting policy (e.g., all unconstrained paths to the same point of delivery) to match the price to be counteroffered;
- Update the request's NEGOTIATED_PRICE_FLAG to 'L' or 'H' if the price to be counter offered is lower than or higher than, respectively, the posted price when the request was submitted;

- Set the OFFER_PRICE and CAPACITY_GRANTED appropriately;
- Set the request STATUS to COUNTEROFFER.

The Customer may then confirm the purchase, withdraw the request, or propose a new BID_PRICE by performing the following (via ***transcust/anccust***):

- Update the request BID_PRICE appropriately;
- Set the request STATUS to REBID or CONFIRMED.

If the Customer has set the status to REBID, the~~The~~ Seller may then act on the new BID_PRICE and/or ~~BID~~ CAPACITY_REQUESTED over time by declining the request, accepting the BID_PRICE/~~BID~~ CAPACITY_REQUESTED, or counter offering a new OFFER_PRICE and/or ~~OFFER~~ CAPACITY_GRANTED over time using the same sequence of actions as stated above.

Negotiation of price may also be initiated on receipt of a request for similar service submitted with a higher BID_PRICE. If required by business practice, the Seller (Primary Provider) may update any ACCEPTED but unconfirmed requests to COUNTEROFFER with the associated OFFER_PRICE set to meet the higher received BID_PRICE, and the negotiation of price can proceed as described above.

Note that OASIS must verify that the values for CAPACITY_REQUESTED, and BID_PRICE match the values for CAPACITY_GRANTED and OFFER_PRICE over each START_TIME/STOP_TIME interval, and block any attempt to set request status to ACCEPTED or CONFIRMED if these Data Elements are not equal. This ensures that both parties to the transaction agree to the final term and price of service.

~~Note that OASIS must verify that BID_START_TIME, BID_STOP_TIME, BID_CAPACITY, and BID_PRICE match the OFFER_START_TIME, OFFER_STOP_TIME, OFFER_CAPACITY and OFFER_PRICE and block any attempt to set request status to ACCEPTED or CONFIRMED if these Data Elements are not equal. This ensures that both parties to the transaction agree to the final term and price of service.~~

013-2.6.1.3 Rollover Rights

For transmission services that have ongoing rollover or renewal rights, the Transmission Provider shall document those rights and any limitations over time through the ***transstatus*** template data elements RENEWAL_DUE_TIME, ROLLOVER_START_TIME, ROLLOVER_STOP_TIME, and ROLLOVER_CAPACITY. Continuation records shall be used if the ROLLOVER_CAPACITY value changes as a function of time. The first value for ROLLOVER_START_TIME shall be set to the value of the latest ~~OFFER~~ STOP_TIME value associated with the request/reservation. If there is no limitation on rollover rights, ROLLOVER_STOP_TIME shall be null.

013-2.6.2 RENEWAL Requests

Transmission Customers shall use the REQUEST_TYPE of RENEWAL to exercise rollover rights associated with an existing transmission service reservation held by the Customer. RENEWAL requests must always specify the Primary Provider as SELLER.

The following are specific restrictions or requirements for OASIS service requests with REQUEST_TYPE of RENEWAL.

Data Element	Restriction/Requirement
REQUEST_TYPE	Must be RENEWAL
RELATED_REF	Must specify the ASSIGNMENT_REF associated with an existing confirmed transmission service reservation held by the Customer that 1) has rollover rights, and 2) whose rollover rights have not expired.
SELLER_CODE	Must match PRIMARY_PROVIDER_CODE
SELLER_DUNS	Must match PRIMARY_PROVIDER_DUNS
PATH	Must represent the same corresponding service points in the reservation specified in RELATED_REF
POINT_OF_RECEIPT	
POINT_OF_DELIVERY	
SOURCE	
SINK	
SERVICE_INCREMENT	Must specify a set of valid transmission service attributes recognized by the Primary Provider as a valid service designation eligible for exercising of rollover rights held by the reservation specified in RELATED_REF
TS_CLASS	
TS_TYPE	
TS_PERIOD	
TS_WINDOW	
TS_SUBCLASS	
START_TIME	Must match the STOP_TIME of the reservation specified in RELATED_REF
STOP_TIME	With START_TIME, must specify a valid interval of service eligible for exercising of renewal/rollover rights held by the reservation specified in RELATED_REF
CAPACITY_REQUESTED	Must be less than or equal to the amount of capacity eligible for renewal/rollover over the interval of service
BID_PRICE	Must specify the price to be paid for the service requested

RENEWAL requests must be submitted on OASIS prior to expiration of the Customer's rollover rights as established by the Tariff or business practice.

CUSTOMER_CODE and CUSTOMER_DUNS in the RENEWAL request should correspond to the CUSTOMER_CODE and CUSTOMER_DUNS in the RELATED_REF reservation. If not, the Transmission Provider should verify that the submitting Customer has a valid agency agreement with the original transmission service agreement holder and is authorized to submit such a request on behalf of that entity.

The transmission service attributes, e.g., TS_CLASS, etc., should match the corresponding attributes in the reservation specified in RELATED_REF.

However, changes may be made to these attributes over time such that some differences are necessary to accommodate changes in the Primary Provider's business practices. This also applies to changes in service points, e.g., PATH, etc., over time.

RENEWAL requests may be subject to offering of partial service and negotiation and limitation of on-going rollover rights just as an ORIGINAL request.

013-2.6.3 MATCHING Requests

Transmission Customers shall use the REQUEST_TYPE of MATCHING to exercise right of first refusal to avoid being displaced by a higher priority competing request.

The following are specific restrictions or requirements for OASIS service requests with REQUEST_TYPE of MATCHING.

Data Element	Restriction/Requirement
REQUEST_TYPE	Must be MATCHING
RELATED_REF	Must specify the ASSIGNMENT_REF associated with an existing confirmed transmission service reservation held by the Customer that is subject to displacement.
PATH	Must represent the same corresponding service points in the reservation specified in RELATED_REF
POINT_OF_RECEIPT	
POINT_OF_DELIVERY	
SOURCE	
SINK	
SERVICE_INCREMENT	Must specify a set of valid transmission service attributes that meet the requirements to exercise right of first refusal
TS_CLASS	
TS_TYPE	
TS_PERIOD	
TS_WINDOW	
TS_SUBCLASS	
START_TIME	Must specify the new requested time for the start of transmission service ~~and must be greater than the BID_START_TIME of the reservation/request specified in RELATED_REF. Must specify the start time that meets the requirements to exercise right of first refusal~~
STOP_TIME	With START_TIME, must specify a valid interval of service based on the transmission service attributes~~eligible for exercising right of first refusal~~
CAPACITY_REQUESTED	Must be equivalent to the amount of capacity ~~originally reserved/requested~~required to retain the Customer's rights originally held on RELATED_REF~~Must specify the capacity that meets the requirements to exercise right of first refusal~~
BID_PRICE	Must specify the price to be paid for the service requested

013-2.6.4 DEFERRAL Requests

The DEFERRAL request shall be used by Transmission Customers to request a delay in the start of an existing transmission service reservation held by the Customer. DEFERRAL requests must always specify the Primary Provider as SELLER.

The following are specific restrictions or requirements for OASIS service requests with REQUEST_TYPE of DEFERRAL.

Data Element	Restriction/Requirement
REQUEST_TYPE	Must be DEFERRAL
RELATED_REF	If submitted by the Customer, must specify the ASSIGNMENT_REF associated with an existing confirmed transmission service reservation held by the Customer whose start time is to be delayed/deferred. If posted by the Primary Provider, must specify the ASSIGNMENT_REF associated with a pending transmission service request submitted by the Customer whose start time is to be deferred.
SELLER_CODE	Must match PRIMARY_PROVIDER_CODE
SELLER_DUNS	Must match PRIMARY_PROVIDER_DUNS
PATH	Must represent the same corresponding service points in the reservation/request specified in RELATED_REF
POINT_OF_RECEIPT	
POINT_OF_DELIVERY	
SOURCE	
SINK	
SERVICE_INCREMENT	Must represent the same set of valid transmission service attributes recognized by the Primary Provider as a valid service designation specified in the reservation/request specified in RELATED_REF
TS_CLASS	
TS_TYPE	
TS_PERIOD	
TS_WINDOW	
TS_SUBCLASS	
START_TIME	Must specify the new requested time for the start of transmission service and must be greater than the START_TIME of the reservation/request specified in RELATED_REF
STOP_TIME	With START_TIME, must specify a valid interval of service based on the transmission service attributes
CAPACITY_REQUESTED	Must be equivalent to the amount of capacity originally reserved/requested
BID_PRICE	Must specify the price to be paid for the service requested

When submitted by the Transmission Customer and ultimately approved and confirmed, OASIS or the Primary Provider procedurally must set the status of the reservation specified in RELATED_REF to ANNULLED. The DEFERRAL

request becomes the new transmission service reservation reflecting the delay in start of service requested.

The Primary Provider shall evaluate pending DEFERRAL requests relative to other transmission requests based on the TIME_QUEUED of the Customer's ORIGINAL request for service.

013-2.6.5 REDIRECT Requests

The REDIRECT request is submitted by an existing firm point-to-point transmission customer to request the use of alternate points of receipt and/or delivery from the Primary Provider. By definition, the Seller in a REDIRECT request must be the Primary Provider even if those rights being redirected were acquired from another Transmission Customer via Resale or Transfer.

The following Standards set forth the requirements for submission of REDIRECT requests on either a Firm or Non-Firm basis.

013-2.6.5.1 REDIRECT on a Firm Basis

A Customer holding confirmed firm point-to-point transmission rights may request the use of those rights on alternate points of receipt and/or delivery on a firm basis by submission of a REDIRECT request to the Primary Provider as Seller. The following information must be submitted by the customer in the REDIRECT request via the ***transrequest*** template.

Data Element	Restriction/Requirement
REQUEST_TYPE	Must be REDIRECT
RELATED_REF	Must identify by ASSIGNMENT_REF a confirmed transmission service reservation for firm point-to-point service held by the submitting Customer
SELLER_CODE	Must match PRIMARY_PROVIDER_CODE
SELLER_DUNS	Must match PRIMARY_PROVIDER_DUNS
PATH	Must represent the new transmission service points being requested
POINT_OF_RECEIPT	
POINT_OF_DELIVERY	
SOURCE	
SINK	
SERVICE_INCREMENT	Must represent a set of valid transmission service attributes for firm point-to-point service offered by the Primary Provider and being requested on the new service points by the Customer
TS_CLASS	
TS_TYPE	
TS_PERIOD	
TS_WINDOW	
TS_SUBCLASS	
START_TIME	Must specify the requested start of transmission service and must be within the bounds of START_TIME specified in the reservation identified in RELATED_REF

Data Element	Restriction/Requirement
STOP_TIME	Must specify the requested stop/end of transmission service and must be within the bounds of STOP_TIME specified in the reservation identified in RELATED_REF, and with START_TIME must represent a valid interval of service for the firm point-to-point service being requested
CAPACITY_REQUESTED	Must specify the amount of transmission capacity being requested
BID_PRICE	Should specify the price for the service being requested; may be null

The Primary Provider shall evaluate each REDIRECT on a Firm basis as any other new request for firm point-to-point transmission service. Primary Provider business practices establish the requirements for service duration, submission time, evaluation time, confirmation time, etc.

OASIS or Primary Provider procedures should verify that the transmission reservation identified in RELATED_REF meets all the requirements to support the redirect of transmission rights to the new service points. This should include the validation that the current rights, the Capacity Available for Redirect, held on that reservation in the amount of the REDIRECT over time have not been encumbered by any other confirmed redirects, resales, schedules, etc. This capacity validation may occur at any point in the request process, but shall always be performed prior to setting the REDIRECT STATUS to CONFIRMED.

Once CONFIRMED, the transmission rights held on the RELATED_REF reservation in the amount of the REDIRECT shall be permanently released by the Primary Provider and conveyed to the REDIRECT reservation. The only mechanism for the Customer to return to the original points of receipt and/or delivery is to submit another REDIRECT request.

The impact on Available Transfer Capability (ATC) for the reservation identified by RELATED_REF shall be released and the impact of the REDIRECT transaction on ATC shall be accounted for in the amount and over time of the redirect simultaneously.

The impact of the REDIRECT transaction on the reservation(s) identified by RELATED_REF shall be posted and viewable using the ***reduction*** template.

If the REDIRECT is eligible for rollover/renewal rights, these rights shall be communicated through the ***transstatus*** template data elements RENEWAL_DUE_TIME, ROLLOVER_START_TIME, ROLLOVER_STOP_TIME, and ROLLOVER_CAPACITY. Conveyance of rollover rights to the REDIRECT request/reservation may have an impact on those rights held on the RELATED_REF reservation. These impacts on the RELATED_REF reservation shall be documented through an update to the ROLLOVER_START_TIME, ROLLOVER_STOP_TIME, and ROLLOVER_CAPACITY data elements associated with the RELATED_REF.

013-2.6.5.2 REDIRECT on a Non-Firm Basis

A Customer holding confirmed firm point-to-point transmission rights may request the use of those rights on alternate points of receipt and/or delivery on a non-firm basis by submission of a REDIRECT request to the Primary Provider as Seller. The following information must be submitted by the customer in the REDIRECT request via the ***transrequest*** template.

Data Element	Restriction/Requirement
REQUEST_TYPE	Must be REDIRECT
RELATED_REF	Must identify by ASSIGNMENT_REF a confirmed transmission service reservation for firm point-to-point service held by the submitting Customer
SELLER_CODE	Must match PRIMARY_PROVIDER_CODE
SELLER_DUNS	Must match PRIMARY_PROVIDER_DUNS
PATH	Must represent the new transmission service points being requested
POINT_OF_RECEIPT	
POINT_OF_DELIVERY	
SOURCE	
SINK	
SERVICE_INCREMENT	Must be HOURLY
TS_CLASS	Must be SECONDARY
TS_TYPE	Must be POINT_TO_POINT
TS_PERIOD	Must be FULL_PERIOD
TS_WINDOW	Must be FIXED
TS_SUBCLASS	Must be null
START_TIME	Must specify the requested start of transmission service and must be within the bounds of BID_START_TIME specified in the reservation identified in RELATED_REF
STOP_TIME	Must specify the requested stop/end of transmission service and must be within the bounds of BID_STOP_TIME specified in the reservation identified in RELATED_REF, and with BID_START_TIME must represent a valid interval of service for the firm point-to-point service being requested
CAPACITY_REQUESTED	Must specify the amount of transmission capacity being requested
BID_PRICE	Should specify the price of $0.00
PRECONFIRMED	Must be YES

Primary Provider business practices establish the requirements for service duration, submission time, evaluation time, confirmation time, etc.

OASIS or Primary Provider procedures should verify that the transmission reservation identified in RELATED_REF meets all the requirements to support the redirect of transmission rights to the new service points. This should include the validation that the current rights, the Capacity Available for Redirect, held on that reservation in the amount of the REDIRECT over time have not been encumbered by any other confirmed redirects, resales, schedules, etc. This capacity validation may occur at any point in the request process, but shall always be performed prior to setting the REDIRECT STATUS to CONFIRMED.

Once CONFIRMED, the transmission rights held on the RELATED_REF reservation in the amount of the REDIRECT shall be removed from the Capacity Available for Redirect on that reservation. Should the Customer wish to restore the rights to schedule (or redirect, resell, etc.) under the RELATED_REF reservation, they must submit a RELINQUISH request to the Primary Provider to release the capacity held under the REDIRECT request and reinstate that capacity on the original service points. The Primary Provider must accommodate this release of capacity back to the original service points, and shall through OASIS or Primary Provider procedures insure that honoring this release of capacity and subsequent scheduling under the Customer's original firm reservation will not unduly cause a reliability problem.

The impact on ATC for the reservation identified by RELATED_REF and the impact of the REDIRECT transaction on ATC shall be accounted for to both preserve the ability of the Customer to return to the original firm path and reflect the fact that the redirected capacity on the RELATED_REF and REDIRECT reservations cannot be scheduled simultaneously.

The impact of the REDIRECT transaction on the reservation(s) identified by RELATED_REF shall be posted and viewable using the ***reduction*** template.

013-2.6.6 RELINQUISH Requests

The RELINQUISH request is submitted in association with a REDIRECT request on a non-firm basis to indicate the Customer's desire to return the capacity rights held on the REDIRECT to the parent reservation specified in the RELATED_REF of that REDIRECT request. The following are the specific requirements for the RELINQUISH request submitted via the ***transrequest*** template.

Data Element	Restriction/Requirement
REQUEST_TYPE	Must be RELINQUISH
RELATED_REF	Must specify the ASSIGNMENT_REF of a confirmed REDIRECT on a non-firm basis held by the Customer
SELLER_CODE	Must match PRIMARY_PROVIDER_CODE
SELLER_DUNS	Must match PRIMARY_PROVIDER_DUNS
PATH	Must represent the same corresponding service points in the reservation/request specified in RELATED_REF
POINT_OF_RECEIPT	
POINT_OF_DELIVERY	
SOURCE	
SINK	
SERVICE_INCREMENT	Must represent the same set of valid transmission service attributes specified in RELATED_REF
TS_CLASS	
TS_TYPE	
TS_PERIOD	
TS_WINDOW	
TS_SUBCLASS	
START_TIME	Must specify start of the interval for the release of capacity from RELATED_REF

Data Element	Restriction/Requirement
STOP_TIME	Must specify stop/end of the interval for the release of capacity from RELATED_REF
CAPACITY_REQUESTED	Must specify the capacity to be released from RELATED_REF over BID_START_TIME to BID_STOP_TIME interval and restored to the parent reservation (i.e., RELATED_REF's RELATED_REF)
BID_PRICE	Should specify the price of $0.00
PRECONFIRMED	Must be YES

When accepted by the Primary Provider, OASIS or Primary Provider procedures must remove the capacity held on the REDIRECT reservation over the time interval specified, and reinstate that capacity to the Capacity Available for Redirect of the parent firm reservation.

The combined impact of the REDIRECT and RELATED_REF reservations on ATC shall be reinstated to reflect the impact of the capacity relinquished back to the RELATED_REF reservation.

Note that the RELINQUISH request does not in itself represent a reservation for transmission service, but merely documents an action taken against an existing transmission service reservation.

013-2.6.7 RESALE Requests

RESALE requests may be submitted by the Customer (Assignee) to arrange for the sale or assignment of scheduling rights from another Transmission Customer (Reseller). Resellers and Assignees are not required to use OASIS to arrange for such sale or assignment of scheduling rights. However, the Reseller is required to notify the Primary Provider and post information documenting the (re)sale on the Primary Provider's OASIS where the rights were originally acquired.

The following are specific requirements for OASIS service requests with REQUEST_TYPE of RESALE. If REQUEST_TYPE is not specified by the Customer and SELLER_CODE and SELLER_DUNS are not the same as PRIMARY_PROVIDER_CODE and PRIMARY_PROVIDER_DUNS, OASIS shall default REQUEST_TYPE to RESALE.

013-2.6.7.1 RESALE on OASIS

Resale transactions conducted on OASIS shall adhere to the Basic OASIS Request Processing requirements where the Reseller is identified as the Seller and the Assignee identified as the Customer.

The Assignee (Customer) initiates the resale of scheduling rights by submitting the following required information on OASIS via the ***transrequest*** template. Data elements not listed are optional. There shall be no requirement imposed by OASIS that the Reseller post any corresponding offer of service for sale on that OASIS.

Data Element	Restriction/Requirement
REQUEST_TYPE	Must be RESALE
SELLER_CODE	Must identify the Reseller (registered entity other than the Primary Provider)
SELLER_DUNS	Must identify the Reseller
PATH	Must represent the transmission service points being requested
POINT_OF_RECEIPT	
POINT_OF_DELIVERY	
SOURCE	
SINK	
SERVICE_INCREMENT	Must represent a set of valid transmission service attributes offered by the Primary Provider and being requested from the Reseller
TS_CLASS	
TS_TYPE	
TS_PERIOD	
TS_WINDOW	
TS_SUBCLASS	
START_TIME	Must specify the requested start of transmission service
STOP_TIME	Must specify the requested stop/end of transmission service
CAPACITY_REQUESTED	Must specify the amount of transmission capacity being requested
BID_PRICE	MustShould specify the price being requested in $/MW-Hour; ; may be null

If the RESALE meets all OASIS validation requirements, the RESALE request shall be posted on OASIS as a QUEUED transmission service request. It is the Reseller's obligation to respond to RESALE requests submitted to them on OASIS. Resellers may register for dynamic notification of these events if the Primary Provider's OASIS implementation provides for such functionality.

The Reseller may act on the RESALE request using any of the processes defined for Basic OASIS Request Processing, Offering of Partial Service, and/or Negotiation of Price. At some point in this process, the Reseller must identify those transmission service reservations whose scheduling rights are to be conferred to the Assignee as follows.

Data Element	Restriction/Requirement
REASSIGNED_REF	Collectively represent those confirmed transmission reservations held by the Reseller whose rights to schedule transmission capacity over time are to be conferred to the Assignee. Each reservation's service points and transmission service attributes must correspond with those specified in the RESALE request
REASSIGNED_CAPACITY	
REASSIGNED_START_TIME	
REASSIGNED_STOP_TIME	

Business practices may dictate that this information be supplied and validated at the time the RESALE request STATUS is set to either ACCEPTED or COUNTEROFFER. Business practices may also dictate the types of services that may be resold and/or aggregated in support of the resale as referenced by the REASSIGNED_REF data element.

Once the RESALE request is finally CONFIRMED by the Assignee, OASIS or Primary Provider procedures should (again) insure that every reservation

represented in the REASSIGNED_REF data element meet the following requirements:

- Represent valid confirmed transmission service reservations held by the Reseller
- There is sufficient unscheduled or otherwise encumbered (e.g., other RESALE, REDIRECT, etc., transactions) transmission capacity to meet REASSIGNED_CAPACITY over REASSIGNED_START_TIME to REASSIGNED_STOP_TIME
- Service points, e.g., PATH, etc., correspond correctly with those specified in the RESALE
- Transmission service attributes, e.g., TS_CLASS, etc., correspond correctly with those specified in the RESALE
- The sum of REASSIGNED_CAPACITY over time for all REASSIGNED_REF reservations satisfies the RESALE requirements as specified in CAPACITY_GRANTED, START_TIME and STOP_TIME.
- The Assignee has executed a service agreement with the Transmission Provider that covers the terms of the RESALE.

If all of these requirements are met, OASIS or Primary Provider procedures shall convey the specified transmission rights from the Reseller's reservation to the Assignee's reservation. The transmission capacity resold shall not be available to the Reseller to schedule, resell, redirect, or otherwise use.

The impact of the RESALE transaction on the reservation(s) identified by REASSIGNED_REF shall be posted and viewable using the ***reduction*** template.

If the Primary Provider determines the posted RESALE does not comply with their business practices for such transactions, they shall have the right to reset the RESALE STATUS to ANNULLED. OASIS or Primary Provider procedures shall then reinstate all reassignments of capacity over time that were designated by the Assignee to the parent (REASSIGNED_REF) reservation(s) as appropriate. The Reseller setting the RESALE STATUS to DISPLACED or ANNULLED shall also reinstate all reassignments of capacity over time that were designated by the Assignee to the parent (REASSIGNED_REF) reservation(s) as appropriate.

013-2.6.7.2 RESALE off OASIS

Resale transactions arranged between Reseller and Assignee off OASIS must be documented on OASIS by the Reseller using the ***transassign*** template. Transactions arranged off OASIS do not follow the basic request processing steps and shall be posted directly as CONFIRMED transactions.

The following information is required to be supplied by the Reseller.

Data Element	Restriction/Requirement
REQUEST_TYPE	Must be RESALE
CUSTOMER_CODE	Must identify the Assignee
CUSTOMER_DUNS	Must identify the Assignee
PATH	Must represent the same corresponding service points as contained in every one
POINT_OF_RECEIPT	

Data Element	Restriction/Requirement
POINT_OF_DELIVERY	of the reservation/request(s) specified by REASSIGNED_REF
SOURCE	
SINK	
SERVICE_INCREMENT	Must represent the same corresponding transmission service attributes as contained in every one of the reservation/request(s) specified by REASSIGNED_REF
TS_CLASS	
TS_TYPE	
TS_PERIOD	
TS_WINDOW	
TS_SUBCLASS	
START_TIME	Must specify the start of transmission service arranged between Reseller and Assignee
STOP_TIME	Must specify the stop/end of transmission service arranged between Reseller and Assignee
CAPACITY_REQUESTED	Must be equal to the amount of capacity ultimately resold to~~originally reserved/requested by~~ the Assignee
BID_PRICE~~CAPACITY_GRANTED~~	Must be the ultimate price arranged for service between Reseller and Assignee, specified in $/MW-Hour~~Must be equal to the amount of capacity ultimately resold to the Assignee~~
~~OFFER_START_TIME~~PRICE	~~Must specify~~be the ~~start of transmission service~~ ultimate price arranged for service between Reseller and Assignee
~~OFFER_STOP_TIME~~	~~Must specify the stop/end of transmission service arranged between Reseller and Assignee~~
~~OFFER_~~CAPACITY_GRANTED	Must be equal to the amount of capacity ultimately resold to the Assignee
OFFER_PRICE	Must be the ultimate price arranged for service between Reseller and Assignee, specified in $/MW-Hour
REASSIGNED_REF	Collectively represent those confirmed transmission reservations held by the Reseller whose rights to schedule transmission capacity over time are to be conferred to the Assignee
REASSIGNED_CAPACITY	
REASSIGNED_START_TIME	
REASSIGNED_STOP_TIME	

OASIS or Primary Provider procedures should insure that every reservation represented in the REASSIGNED_REF data element meet the following requirements:

- Represent valid confirmed transmission service reservations held by the Reseller
- There is sufficient unscheduled or otherwise encumbered (e.g., other RESALE, REDIRECT, etc., transactions) transmission capacity to meet REASSIGNED_CAPACITY over REASSIGNED_START_TIME to REASSIGNED_STOP_TIME
- Service points, e.g., PATH, etc., correspond correctly with those specified in the RESALE
- Transmission service attributes, e.g., TS_CLASS, etc., correspond correctly with those specified in the RESALE

- The sum of REASSIGNED_CAPACITY over time for all REASSIGNED_REF reservations satisfies the RESALE requirements as specified in CAPACITY_GRANTED, START_TIME and STOP_TIME.
- The Assignee has executed a service agreement with the Transmission Provider that covers the terms of the RESALE.

Business practices may dictate the types of services that may be resold and/or aggregated in support of the resale as referenced by the REASSIGNED_REF data element.

If all of these requirements are met, OASIS or Primary Provider procedures shall convey the specified transmission rights from the Reseller's reservation to the Assignee's reservation. The transmission capacity resold shall not be available to the Reseller to schedule, resell, redirect, or otherwise use.

The impact of the RESALE transaction on the reservation(s) identified by REASSIGNED_REF shall be posted and viewable using the ***reduction*** template.

If the Primary Provider determines the posted RESALE does not comply with their business practices for such transactions, they shall have the right to reset the RESALE STATUS to ANNULLED. OASIS or Primary Provider procedures shall then reinstate all reassignments of capacity over time that were designated by the Assignee to the parent (REASSIGNED_REF) reservation(s) if appropriate. The Reseller setting the RESALE STATUS to DISPLACED or ANNULLED shall also reinstate all reassignments of capacity over time that were designated by the Assignee to the parent (REASSIGNED_REF) reservation(s) as appropriate.

013-2.6.8 Transfer Requests

Transfer transactions conducted on OASIS shall adhere to the Basic OASIS Request Processing requirements where the Reseller is identified as the Seller and the Assignee identified as the Customer.

Transfer transactions shall use the same basic procedures, data elements and templates as specified for RESALE on OASIS (WEQ 013-2.6.6.1) or RESALE off OASIS (WEQ 013-2.6.6.2), with the exception of REQUEST_TYPE being either FULL_TRANSFER or PART_TRANSFER.

013-2.6.8.1 FULL_TRANSER - Transfers of All Capacity

A Transmission Customer (Reseller) may transfer all of their rights and obligations, including financial liability and encumbrances (e.g., resales), under the Primary Provider's Tariff to another Transmission Customer (Assignee). These requests must be initiated by the Assignee through submission of a transmission request with REQUEST_TYPE of FULL_TRANSFER and designation of the Reseller as SELLER. The transmission service attributes in the TRANSFER request must exactly match those in the transmission

reservation(s) held by the Reseller. TRANSFER requests are handled by the Reseller and the Assignee using the standard Transaction Process as specified for RESALE requests. OASIS may block submission of a TRANSFER request if the Assignee does not have an executed service agreement with the Primary Provider.

When approved by the Reseller, the Reseller must supply information as to the transmission service rights to convey to the Assignee via the REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME and REASSIGNED_STOP_TIME Data Elements. The transmission service rights being transferred must have been purchased from the Primary Provider (REQUEST_TYPE of ORIGINAL, RENEWAL, Firm REDIRECT or MATCHING with Primary Provider as SELLER) or transferred from another Transmission Customer. The aggregation of all REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME and REASSIGNED_STOP_TIME Data Elements must match the capacity and time frame of the TRANSFER request as specified in the ~~OFFER~~ CAPACITY GRANTED (and CAPACITY_REQUESTED~~/or BID_CAPACITY~~), START_TIME and STOP_TIME Data Elements of that transaction.

The Primary Provider must acknowledge and approve of the transfer of rights by setting PRIMARY_PROVIDER_APPROVAL to Y. If for any reason the Primary Provider disapproves of the TRANSFER, the Provider must set the request's PRIMARY_PROVIDER_APPROVAL to N, and all rights will remain with the Reseller.

The Primary Provider may post a FULL TRANSFER request directly on OASIS on behalf of the Original TC and Assignee after confirming the transaction with both parties using the ***transassign*** template The information required to be posted shall be identical to that posted for FULL TRANSFERs conducted on OASIS.

On confirmation of the FULL TRANSFER, the IMPACTED attributed will be incremented for each of the Reseller's reservations referenced by the REASSIGNED_REF Data Elements and the resulting impacts on each REASSIGNED_REF's reserved capacity will be viewable with the ***reduction*** template. OASIS must also update all subordinate RESALE, REDIRECT, etc., transactions impacting the REASSIGNED_REF transaction(s) to reflect the transfer of those obligations to the Assignee under the new FULL TRANSFER reservation.

013-2.6.8.2 PART_TRANSFER - Transfer of Partial Capacity

A Transmission Customer (Reseller) may transfer a portion of their rights and obligations, including financial liability, under the Primary Provider's Tariff to another Transmission Customer (Assignee). These requests must be initiated by the Assignee through submission of a transmission request with REQUEST_TYPE of PART_TRANSFER and designation of the Original Transmission Customer (Reseller) as SELLER. The transmission service attributes in the TRANSFER request must exactly match those in the transmission reservation(s) held by the Original Transmission Customer. TRANSFER requests are handled by the Original Transmission Customer

(SELLER) and the Assignee (CUSTOMER) using the standard Transaction Process as specified for RESALE requests. OASIS may block submission of a TRANSFER request if the Assignee does not have an executed service agreement with the Primary Provider.

When approved by the Reseller, the Reseller must supply information as to the transmission service rights to be conveyed to the Assignee via the REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME and REASSIGNED_STOP_TIME Data Elements. The transmission service rights being transferred must have been purchased from the Primary Provider (REQUEST_TYPE of ORIGINAL with Primary Provider as SELLER) or transferred from another Transmission Customer (REQUEST_TYPE of PART_TRANSFER or FULL_TRANSFER with that Transmission Customer as SELLER). The aggregation of all REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME and REASSIGNED_STOP_TIME Data Elements must match the capacity and time frame of the TRANSFER request as specified in the ~~BID_CAPACITY, BID_~~START_TIME, ~~and BID_S~~STOP_TIME, and CAPACITY_GRANTED~~—~~ Data Elements of ~~–~~that transaction. The ~~BID_~~CAPACITY_GRANTED must be less than or equal to the Capacity Available to Redirect on the REASSIGNED_REF.

The Primary Provider must acknowledge and approve of the transfer of rights by setting PRIMARY_PROVIDER_APPROVAL to Y. If for any reason the Primary Provider disapproves of the TRANSFER, the Provider must set the request's PRIMARY_PROVIDER_APPROVAL to N and all rights will remain with the Reseller.

The Transmission Provider may post a PART_TRANSFER request directly on OASIS on behalf of the Reseller and Assignee after confirming the transaction with both parties. The information required to be posted shall be identical to that posted for PART_TRANSFERs conducted on OASIS.

On confirmation of the FULL_TRANSFER, the IMPACTED attribute will be incremented for each of the Original Transmission Customer's reservations referenced by the REASSIGNED_REF Data Elements and the resulting impacts on each REASSIGNED_REF's reserved capacity will be viewable with the ***reduction*** template.

013-3 SPECIFIC TEMPLATE IMPLEMENTATION

013-3.1 Registered Template Data Elements

Certain OASIS defined templates contain data elements that are identified as taking on values registered by the Primary Provider, e.g., r***eduction***, ***systemdata***, ***security***, etc. These registered values shall be included in the Energy Industry Registry when this registry is made publicly available.

In addition to public registration (when supported), each Primary Provider using a registered value for any OASIS data element shall provide information in their posted business practices as to each of these data element values along with a

detailed description and example of how the data element will be used. This information shall be made available on OASIS.

013-3.2 *scheduledetail*

The ***scheduledetail*** template shall be used to querypost specific information posted by the Primary Provider related to the scheduled usage of reserved transmission service.

For (transmission) schedules derived from implemented electronic tags (e-Tag) submitted in accordance with the NERC electronic tagging specification, the following information must be providedposted on OASIS.

From the physical path segment of the e-Tag associated with the Primary Provider:

Data Element	Restriction/Requirement
TRANSACTION_ID	The full e-Tag transaction identifier, including the GCA, creating PSE and LCA codes
PATH_NAME	Optional; defined by the Primary Provider based on POR/POD and transmission services used to support the schedule.
POINT_OF_RECEIPT	POR as identified in the e-Tag physical path
POINT_OF_DELIVERY	POD as identified in the e-Tag physical path
GCA_CODE	Registered acronym for the generating control area (balancing authority)
LCA_CODE	Registered acronym for the load control area (balancing authority)
SOURCE	Registered value of the source from the e-Tag located within the GCA
SINK	Registered value of the sink from the e-Tag located within the LCA
SCHEDULE_PRIORITY	The effective curtailment priority that will be used by the Primary Provider in assessing any curtailment action that may be taken against the schedule.
START_TIME/STOP_TIME	The time interval associated with the information associated with this segment of the schedule.
SCHEDULE_REQUESTED	The value from the PSE Market Level profile information contained in the e-Tag
SCHEDULE_GRANTED	The actual MW level to which the e-Tag was scheduled; for block schedules, SCHEDULE_GRANTED should always be the lower of SCHEDULE_REQUESTED and SCHEDULE_LIMIT; for dynamic schedules SCHEDULE_GRANTED may be higher than SCHEDULE_REQUESTED.

For each start/stop segment of the posted schedule, the following information shall be provided for each transmission service reservation that is used to support that segment of the schedule. There may be one or more transmission service reservations used to support a given schedule segment. These "stacked" reservations shall be communicated through continuation records as defined in the OASIS S&CP (WEQ 002).

Data Element	Restriction/Requirement
ASSIGNMENT_REF	The unique OASIS identifier assigned to the reservation supporting the schedule
SELLER_CODE SELLER_DUNS	Identification of the seller as listed in the transmission service reservation
CUSTOMER_CODE CUSTOMER_DUNS	Identification of the seller as listed in the transmission service reservation
AFFILIATE_FLAG	Identification of the reservation as being made by an affiliate of the Primary Provider
SERVICE_INCREMENT TS_CLASS TS_TYPE TS_PERIOD TS_WINDOW TS_SUBCLASS NERC_CURTAILMENT_PRIORITY OTHER_CURTAILMENT_PRIORITY	The transmission service attributes and curtailment priority information as specified in the transmission service reservation
CAPACITY_USED	The actual MWs of reserved capacity used in support of the schedule derived from the transmission allocation information as specified in the e-Tag

If the tagged transaction has been subject to a Reliability Adjustment the following information shall be supplied. This is typically, but not necessarily, indicated by SCHEDULE_GRANTED being less than SCHEDULE_REQUESTED.

Data Element	Restriction/Requirement
PROVIDER_ACTION	As specified in the OASIS Data Dictionary, text descriptive of the action being taken by the Primary Provider, e.g., CURTAILMENT.
SCHEDULE_LIMIT	The value of the Reliability Limit set against the tagged transaction by any Reliability Entity over this segment of the schedule
CURTAILMENT_OPTIONS	Optional; Primary Provider supplied description of options that may be available to the customer, such as redispatch
SECURITY_REF	Optional; If the reliability adjustment was the result of a security event that is posted on OASIS via the ***security*** template, this shall be set to the OASIS unique identifier assigned to that posting

Data Element	Restriction/Requirement
INITIATING_PARTY RESPONSIBLE_PARTY PROCEDURE_NAME PROCEDURE_LEVEL FACILITY_LOCATION FACILITY_NAME FACILITY_CLASS FACILITY_LIMIT_TYPE ANNOTATION	Optional; If the reliability adjustment was the result of a security event that is posted on OASIS via the ***security*** template, these data elements will be reported as they appear in that associated security event posting

013-3.3 *systemdata*

The ***systemdata*** template is designed to present time series data in an efficient form. It is an extensible template as the data elements SYSTEM_ELEMENT_TYPE and SYSTEM_ATTRIBUTE may take on Provider specific registered values for posting of data that is not already defined in the OASIS Data Dictionary.

The SYSTEM_ELEMENT and SYSTEM_ELEMENT_TYPE data elements define the unique name and what type of system element that name represents. The SYSTEM_ATTRIBUTE data element identifies what type of data value is represented in the ATTRIBUTE_VALUE data element.

There must be only one unique ATTRIBUTE_VALUE at any given point/interval in time. The posting of a new value by the Primary Provider that overlaps all or any portion of ~~an existing posting~~existing data present in OASIS shall supersede that existing ~~posted~~ value for the interval specified.

The following subsections describe specific implementation for data that is required to be provided~~osted~~ using this template.

013-3.3.1 ATC Related ~~Posting~~Query/~~-Response~~ Requirements

Transmission Providers that compute Available Transfer Capability on a contract or rated path basis shall provide data associated with~~post~~ the following SYSTEM_ATTRIBUTE values:

- TTC – Total Transfer Capability
- CBM – Capacity Benefit Margin
- FTRM – Transmission Reliability Margin for use in FATC
- NFTRM – Transmission Reliability Margin for use in NFATC
- FATC –Firm Available Transfer Capability
- NFATC –Non-Firm Available Transfer Capability
- ATC_ANNOTATION – Annotation for a change in monthly or yearly posted ATC
- {registered} – Provider defined attributes necessary for posting required data

The SYSTEM_ELEMENT_TYPE and SYSTEM_ELEMENT shall be used as follows:

- SYSTEM_ELEMENT_TYPE = PATH

- SYSTEM_ELEMENT = Name of the path associated with the posted ATC component value

Posting of ATC component data and annotations via the ***systemdata*** template shall comply with all applicable regulations and business practices.

The following are the ***systemdata*** template Data Element requirements for providing~~osting of~~ ATC component data, i.e., TTC, CBM, FTRM, NFTRM, FATC or NFATC, to the user:

Data Element	Restriction/Requirement
POSTING_REF	The unique OASIS identifier assigned to the posting
SYSTEM_ELEMENT_TYPE	"PATH"
SYSTEM_ELEMENT	Name of the path associated with the posted ATC component value
SYSTEM_ATTRIBUTE	"TTC", "CBM", "FTRM", "NFTRM", "FATC", or "NFATC"
START_TIME	Beginning of interval associated with the posted value
STOP_TIME	End of interval associated with the posted value
ATTRIBUTE_VALUE	Value of the posted ATC component over the interval of START_TIME/STOP_TIME
ATTRIBUTE_UNITS	Units of ATTRIBUTE_VALUE; typically MW
ANNOTATION	Optional at discretion of the Provider; typically null

The following are the ***systemdata*** template Data Element requirements for providing information on~~posting of~~ ATC annotations for instances where changes in monthly or yearly ATC ~~resulting from~~are a result of a change in TTC greater than 10 %:

Data Element	Restriction/Requirement
POSTING_REF	The unique OASIS identifier assigned to the posting
SYSTEM_ELEMENT_TYPE	"PATH"
SYSTEM_ELEMENT	Name of the path associated with the posted ATC component value
SYSTEM_ATTRIBUTE	"ATC_ANNOTATION
START_TIME	Time stamp of when path TTC changed by more than 10 %
STOP_TIME	Set equal to START_TIME
ATTRIBUTE_VALUE	New value of TTC on the posted path at START_TIME
ATTRIBUTE_UNITS	Units of ATTRIBUTE_VALUE; typically MW
ANNOTATION	Annotation providing information related to a specific change in ATC that requires the Primary Provider to post a narrative related to that change.
TIME_OF_LAST_UPDATE	Time stamp of when this posted data was last updated

The following are the ***systemdata*** template Data Element requirements for providing information on ~~posting of~~ ATC annotations for instances where monthly or yearly ATC is posted at zero (0) for more than six (6) months:

Data Element	Restriction/Requirement
POSTING_REF	The unique OASIS identifier assigned to the posting
SYSTEM_ELEMENT_TYPE	"PATH"
SYSTEM_ELEMENT	Name of the path associated with the posted ATC component value
SYSTEM_ATTRIBUTE	"ATC_ANNOTATION
START_TIME	Start date/time of the interval where posted ATC is zero.
STOP_TIME	End of the interval where posted ATC is zero
ATTRIBUTE_VALUE	0
ATTRIBUTE_UNITS	Units of ATTRIBUTE_VALUE; typically MW
ANNOTATION	Annotation providing information related to a specific change in ATC that requires the Primary Provider to post a narrative related to that change.

013-3.3.2 System Load Related ~~Posting~~Query/Response Requirements

Transmission Providers shall ~~post~~provide data for the following SYSTEM_ATTRIBUTE values related to System load as required by all applicable regulations and business practices:

- ZONE_LOAD_FORECAST – Forecast of anticipated Load in a metered zone ~~(Only required for ISOs and RTOs)~~
- SYSTEM_LOAD_FORECAST – Forecast of total systemwide load within a Balancing Area
- NATIVE_LOAD_FORECAST – Forecast of portion of total system load forecast for native load Forecast of total system load within a Balancing Area
- ACTUAL_LOAD – Actual daily peak load values for the metered Balancing Area or metered Zone within the ~~BA~~Balancing Area posted after the fact

The SYSTEM_ELEMENT_TYPE and SYSTEM_ELEMENT shall be used as follows:

- SYSTEM_ELEMENT_TYPE = LOAD_ZONE
- SYSTEM_ELEMENT = name of the metered zone whose forecast and actual load data is being posted; for SYSTEM_LOAD_FORECAST and NATIVE_LOAD_FORECAST values this shall be the registered NERC acronym for the Balancing Area

~~Posting of load data via the ***systemdata*** template shall comply with all applicable regulations and business practices.~~

The following table shows an example of the ***systemdata*** template Data Element usage for ~~posting~~providing information on ~~of~~ load related data:

Data Element	Restriction/Requirement
POSTING_REF	The unique OASIS identifier assigned to the posting
SYSTEM_ELEMENT_TYPE	"LOAD_ZONE"
SYSTEM_ELEMENT	Name of the specific load or balancing area associated with the posted value
SYSTEM_ATTRIBUTE	"ACTUAL_LOAD"
START_TIME	Beginning of interval associated with the posted value
STOP_TIME	End of interval associated with the posted value
ATTRIBUTE_VALUE	Value of the zone's load or load forecast over the interval of START_TIME/STOP_TIME
ATTRIBUTE_UNITS	Units of ATTRIBUTE_VALUE; typically MW
ANNOTATION	Optional at discretion of the Provider; typically null

013-3.4 *security*

The ***security*** template is used to provide~~post~~ information related to changes in the transmission system that may impact reliability. The bulk of the data elements that comprise this template are identified as free-form text in the OASIS Data Dictionary to provide Transmission Providers with flexibility in posting different types of information in a structured fashion compatible with their operations and business practices. .Usage of the data elements within the ***security*** template for providing information~~postings~~ that may be made available by the Provider are provided as examples only.

013-3.4.1 Outage ~~Postings~~Query/Response Requirements

The following is an example of the suggested usage of the ***security*** template data elements for providing information related to~~the posting~~ Primary Provider posting of outages. Note that posting of transmission related outages on OASIS is at the discretion of the Transmission Provider.

Data Element	Restriction/Requirement
SECURITY_REF	The unique OASIS identifier assigned to the annotation posting
EVENT_ID	Optional at discretion of the Provider
SECURITY_TYPE	"OUTAGE"
INITIATING_PARTY	Identification of entity requesting the outage
RESPONSIBLE_PARTY	Identification of entity responsible for managing the outage
PROCEDURE_NAME	Optional at discretion of the Provider; may be used to document specific outage procedures
PROCEDURE_LEVEL	Optional at discretion of the Provider;
FACILITY_CLASS	"LINE" "TRANSFORMER" Etc.
FACILITY_LIMIT_TYPE	"PLANNED" "FORCED"
FACILITY_LOCATION	Optional at discretion of the Provider
FACILITY_NAME	Name of the transmission facility being outaged

Data Element	Restriction/Requirement
START_TIME	Beginning of outage
STOP_TIME	End of outage
ANNOTATION	Detailed information describing the nature of the outage and all related information of significance.

013-3.4.2 Curtailment Event ~~Postings~~Query/Response Requirements

The following is an example of the suggested usage of the ***security*** template data elements for providing information related to Primary Provider posting ~~the posting~~ of system conditions that may result in the curtailment or interruption of transmission service. The example shown illustrates the data provided for a ~~posting of a~~ NERC TLR related event. Note that the actual curtailment or impact of these events on schedules or transmission reservations will be posted on OASIS and made available via the ***scheduledetail*** or ***reduction*** templates.

Data Element	Restriction/Requirement
SECURITY_REF	The unique OASIS identifier assigned to the annotation posting
EVENT_ID	For NERC TLR, Reliability Coordinator assigned TLR event identifier
SECURITY_TYPE	"LIMIT"
INITIATING_PARTY	Entity that called for the TLR
RESPONSIBLE_PARTY	Reliability Coordinator managing the constrained flowgate
PROCEDURE_NAME	"NERC TLR"
PROCEDURE_LEVEL	"1", "2", etc.
FACILITY_CLASS	"FLOWGATE"
FACILITY_LIMIT_TYPE	"OSL"
FACILITY_LOCATION	"INTERNAL" if flowgate is within the Provider's system "EXTERNAL" if flowgate is outside the Provider's system
FACILITY_NAME	Name of the flowgate in TLR
START_TIME	Beginning of the TLR event
STOP_TIME	End of the TLR event
ANNOTATION	Detailed information describing the nature of the event and all related information of significance.

013-3.5 *transoffering*

The ***transoffering*** template allows the Customer to selectively query for transmission service offers posted by both the Provider and Resellers. Resellers control how their offerings are presented to the Customer through the specification of an OFFER_INCREMENT. Provider postings shall always have OFFER_INCREMENT set equal to SERVICE_INCREMENT.

Transmission rights sold by the Reseller must correspond with the original rights acquired from the Provider. There is, however, no restriction on the term/increment of service that may be resold. The OFFER_INCREMENT data

element controls when a Resellers capacity posted for resale will be presented to the Customer via the ***transoffering*** template.

For example, a Customer (Reseller) holding Monthly Firm transmission rights wishes to resell that capacity on either an hourly or daily basis. The Reseller may post this Monthly Firm capacity for resale on an hourly or daily basis by posting two offerings with OFFER INCREMENT of HOURLY and DAILY. Customers querying for HOURLY or DAILY service would be presented with the Provider's standard offer postings in addition to the Resellers offer of Monthly Firm capacity available on an HOURLY or DAILY basis.

Note that the basic transmission attributes, SERVICE INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_WINDOW, and TS_SBCLASS, in a posting for resale correspond to the original rights held by the Reseller and would not necessarily be similar to the transmission attributes posted by the Provider.

When queried by the Customer with a specified SERVICE_INCREMENT query parameter, OASIS shall return in the ***transoffering*** response all posted offers where SERVICE_INCREMENT or OFFER_INCREMENT matches any of the specified SERVICE_INCREMENT query values.

013-3.6 *transpost/transupdate*

The ***transpost/transupdate*** templates allows a Customer (Reseller) to post or modify an offer to resell their reserved capacity on OASIS in a manner comparable to the offerings posted by the Primary Provider. The service offered for resale is dictated by the service held by the customer as defined in the SERVICE INCREMENT, TS CLASS, TS TYPE, TS PERIOD, TS_WINDOW, and TS_SUBCLASS Data Elements. However, the Customer may offer that service in any arbitrary increment of whole hours from hourly, to daily, to monthly, etc.

The OFFER INCREMENT Data Element controls when the Reseller's transmission service offering will be returned to a user submitting the ***transoffering*** template. For example, to post Monthly Firm service reserved from the Primary Provider as an HOURLY offering, the SERVICE_INCREMENT Data Element will be MONTHLY to correspond to the reserved service being resold and the OFFER_INCREMENT would be submitted as HOURLY. When queried by a user with SERVICE_INCREMENT=HOURLY, the ***transoffering*** template would return all qualifying posted offerings from the Primary Provider where SERVICE_INCREMENT=HOURLY and any resale offerings posted by Resellers where the OFFER_INCREMENT=HOURLY. To post that Monthly capacity on a Daily basis, the reseller would submit another transmission service offering specifying the OFFER_INCREMENT=DAILY.

The following table shows the specific template Data Element usage for the ***transpost/transupdate*** template:

Data Element	Restriction/Requirement
POSTING_REF	The unique OASIS identifier assigned to the posting

Data Element	Restriction/Requirement
PATH_NAME POINT_OF_RECEIPT POINT_OF_DELIVERY INTERFACE_TYPE	Must correspond with the same data elements as represented in the Reseller's transmission service reservation(s) that is being offered for sale.
CAPACITY	Amount of service offered for sale
SERVICE_INCREMENT TS_CLASS TS_TYPE TS_PERIOD TS_WINDOW TS_SUBCLASS	Must correspond with the same data elements as represented in the Reseller's transmission service reservation(s) that is being offered for sale.
ANC_SVC_REQ	Associated ancillary service requirements, if any
START_TIME STOP_TIME	Interval for the transmission service being sold
OFFER_INCREMENT	Increment of service the Reseller is offering for sale
OFFER_START_TIME OFFER_STOP_TIME	The time interval during which the Reseller will accept/consider requests to purchase to capacity offered for sale
SALE_REF	Optional Reseller internal reference value
OFFER_PRICE	Price posted for the service offered for sale
SERVICE_DESCRIPTION	Optional description or other terms and conditions of the resale
SELLER_COMMENTS	Seller comments

013-3.7 *transstatus*

The ***transstatus*** template provides the Customer with a view of transactions submitted on OASIS. OASIS shall be responsible for merging any transaction profile data submitted by the Customer (START_TIME, STOP_TIME, CAPACITY REQUESTED, and BID PRICE) or the Seller (START_TIME, STOP_TIME, CAPACITY_GRANTED, and OFFER_PRICE) into a single set of time profile data records consisting of START_TIME, STOP_TIME, CAPACITY REQUESTED, BID PRICE, CAPACITY GRANTED, ~~and~~ OFFER PRICE, and CEILING PRICE to be returned in the ***transstatus*** template response.

013-3.~~7~~8 *reduction*

The ***reduction*** template provides the Customer with a view of transactions or Primary Provider actions which impact either the capacity available on a given transmission service reservation or the service curtailment priority in effect for the reservation. Capacity impacts are due to transactions such as redirects, resales, transfers, recalls, etc.; curtailment priority impacts are due to criteria established in granting long-term firm service where firm curtailment priority cannot be granted for all periods or under certain specific operating conditions as specified in the Customer's service agreement.

For a given transmission service request, there may never be two ***reduction*** template response records that overlap in time. For any given interval in time, all transactions or Primary Provider actions that impact the transmission

service request over that interval shall be returned in one or more continuation records.

The following are the specific values for REDUCTION_TYPE impacting the capacity available on a reservation that shall be supported:

- REDIRECT – impact is the result of a REDIRECT on a Firm basis
- RESALE – impact is the result of a sale of transmission scheduling rights on the secondary market
- TRANSFER – impact is the result of a transfer of all rights and obligations from one Customer to another Customer
- RECALL – impact is the result of the Primary Provider recalling reserved capacity for actions such as the partial displacement of service by higher priority request(s)
- {Registered} – Primary Provider specific value registered by the Provider

For each of these reductions, the magnitude of the reduction in capacity must be reported in the template response CAPACITY_REDUCED Data Element as a **negative** value. The sum of all reductions of this type should equal the difference in values reported in CAPACITY AVAILABLE and CAPACITY_GRANTED.

The following are the specific values for REDUCTION_TYPE used to document a change in reservation service curtailment priority. Posting of this information by the Primary Provider must be in accordance with the conditional curtailment option agreed to by the Provider and Customer in the governing transmission service agreement.

- ~~CONDITIONAL_TERM~~CONDITIONAL_HOURS – ~~service curtailment~~reduction in service curtailment priority related to a specific number of hours per year as ~~time period or term of service~~ specified in the service agreement
- CONDITIONAL_EVENT– reduction in service curtailment priority due to the occurrence of a specific change in system conditions
- {registered} – Primary Provider specific registered name for the type of reduction posted

In the template response records for reductions in service curtailment priority, CAPACITY_REDUCED shall specify the amount of reserved capacity whose curtailment priority is reduced as a **positive** valued MW number. NERC CURTAILMENT PRIORITY shall reflect the reduction in service curtailment priority.

If the Primary Provider uses a provider specific registered value for REDUCTION_TYPE, the registered value and a full description of how the value is used and the information returned in the ***reduction*** template response must be posted on the Provider's OASIS Home Page.

An example of the reduction template response is provided in WEQ 013-4.1.8.

013-4 EXAMPLE IMPLEMENTATION

013-4.1 File Request and File Download Examples

The following standards provide examples for the implementation of file request and download interactions that must be supported by OASIS. In these examples, the end-of-line (eol) character is represented by the character," ↵ ". This symbol may appear differently on displays or printouts. Note that any leading or trailing spaces within each data record shown were inserted to facilitate word-wrapping of long records and must not appear in the actual formatted data files returned by OASIS unless they are contained within double quotes.

013-4.1.1 File Example for Hourly Offering

Example of the request to Primary Provider, AAA~~aaa, and response for Seller, wxyz~~, for PATH_NAME "W/AAAA/PATH-ABC//" for April 10, 2007~~1996~~ from 8 a.m. to 3 p.m. (Note that the PATH_NAME consists of a REGION_CODE, PRIMARY_PROVIDER_CODE, PATH_CODE, and an OPTIONAL_CODE, separated with a slash, "/".)

The VERSION for this release is 1.5.~~4.~~ The request is in the form of a URL query string and the response is an ASCII delimited file. There is also one offer posted by the reseller “WXYZ” that has posted their WEEKLY scheduling rights for RESALE on an HOURLY basis.

1. **Query**

   http://(OASIS Node name)/OASIS/AAA~~aaa~~/data/transoffering?
   ver=1.5~~2~~&templ=transoffering& fmt=data&pprov=~~A~~AAA
   &pprovduns=123456789& path=W/AAA/ABC// & ~~seller=WXYZAA~~
   ~~&sellerduns=987654321& POR=aaa& POD=bbb&~~ servincre=hourly&
   TSCLASS1=firm &TSCLASS2=non-
   firm&tz=PD&stime=20070410080000PD~~19960410080000PD~~&sptime=
   20070410150000PD~~19960410150000PD~~

2. **Response Data**

   REQUEST-STATUS=200↵ (*Successful*)
   TIME_STAMP=20070409113526PD~~19960409113526PD~~ ↵
   VERSION=1.5~~4~~↵
   TEMPLATE=transoffering↵
   OUTPUT_FORMAT=DATA ↵

   PRIMARY_PROVIDER_CODE=AAA~~A~~↵
   PRIMARY_PROVIDER_DUNS=123456789↵
   DATA_ROWS=13~~14~~↵
   ~~COLUMN_HEADERS=TIME_OF_LAST_UPDATE,SELLER_CODE,~~
   ~~SELLER_DUNS,PATH_NAME,~~
   ~~POINT_OF_RECEIPT,POINT_OF_DELIVERY,INTERFACE_TYPE,~~
   ~~OFFER_INCREMENT,OFFER_START_TIME,OFFER_STOP_TIME,~~
   ~~START_TIME,STOP_TIME,CAPACITY,SERVICE_INCREMENT,~~
   ~~TS_CLASS,TS_TYPE,TS_PERIOD,TS_WINDOW,~~

TS_SUBCLASS, ANC_SVC_REQ, SALE_REF, POSTING_REF, CEILING_PRICE, OFFER_PRICE, PRICE_UNITS, SERVICE_DESCRIPTION, SELLER_NAME, SELLER_PHONE, SELLER_FAX, SELLER-EMAIL, SELLER_COMMENTS ↵
20070406170000PD, WXYZ,987654321, W/AAA/AAA-ABC//, AAA, ABC, E, HOURLY,,,, 20070410000000PD, 20070411000000PD,15, WEEKLY, NON-FIRM, POINT_TO_POINT,FULL_PERIOD,FIXED, ,SD:M;RV:M;LC:O, ,5673,1.5,1.43,$/MW-H, ,WXYZ Marketer,888-789-4321, , ,Reselling WEEKLY priority rights.↵
20070409030000PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC, E, HOURLY, 20070402080000PD, 20070410080000PD, 20070410080000PD, 20070410090000PD,50, HOURLY, FIRM, POINT_TO_POINT,FULL_PERIOD,FIXED, ,SD:M;RV:M;LC:O, ,5673,1.5,1.35,$/MW-H, ,AAA Provider,888-321-7654, , ,10% DISCOUNT ↵
20070409030002PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC, E, HOURLY, 20070402080000PD, 20070410080000PD, 20070410090000PD, 20070410100000PD,300, HOURLY, NON-FIRM, POINT_TO_POINT,FULL_PERIOD,FIXED, ,SD:M;RV:M;LC:O, ,5682,1.5,1.35,$/MW-H, ,AAA Provider,888-321-7654, , ,10% DISCOUNT ↵
20070409030000PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC, E, HOURLY, 20070402080000PD, 20070410080000PD, 20070410090000PD, 20070410100000PD,50, HOURLY, FIRM, POINT_TO_POINT,FULL_PERIOD,FIXED, ,SD:M;RV:M;LC:O, ,5673,1.5,1.35,$/MW-H, ,AAA Provider,888-321-7654, , ,10% DISCOUNT ↵
20070409030002PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC, E, HOURLY, 20070402080000PD, 20070410080000PD, 20070410090000PD, 20070410100000PD,300, HOURLY, NON-FIRM, POINT_TO_POINT,FULL_PERIOD,FIXED, ,SD:M;RV:M;LC:O, ,5682,1.5,1.35,$/MW-H, ,AAA Provider,888-321-7654, , ,10% DISCOUNT ↵
20070409030000PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC, E, HOURLY, 20070402080000PD, 20070410080000PD, 20070410100000PD, 20070410110000PD,0, HOURLY, FIRM, POINT_TO_POINT,FULL_PERIOD,FIXED, ,SD:M;RV:M;LC:O, ,5673,1.5,1.35,$/MW-H, ,AAA Provider,888-321-7654, , ,10% DISCOUNT ↵
20070409030002PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC, E, HOURLY, 20070402080000PD, 20070410080000PD, 20070410100000PD, 20070410110000PD,275, HOURLY, NON-FIRM, POINT_TO_POINT,FULL_PERIOD,FIXED, ,SD:M;RV:M;LC:O, ,5682,1.5,1.35,$/MW-H, ,AAA Provider,888-321-7654, , ,10% DISCOUNT ↵
20070409030000PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC, E, HOURLY, 20070402080000PD, 20070410080000PD, 20070410110000PD, 20070410130000PD,0, HOURLY, FIRM, POINT_TO_POINT,FULL_PERIOD,FIXED, ,SD:M;RV:M;LC:O, ,5673,1.5,1.35,$/MW-H, ,AAA Provider,888-321-7654, , ,10% DISCOUNT.↵

20070409030002PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC, E, HOURLY, 20070402080000PD, 20070410080000PD, 20070410110000PD, 20070410130000PD,150, HOURLY, NON-FIRM, POINT_TO_POINT,FULL_PERIOD,FIXED, ,SD:M;RV:M;LC:O, ,5682,1.5,1.35,$/MW-H, ,AAA Provider,888-321-7654, , ,10% DISCOUNT ↵
20070409030000PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC, E, HOURLY, 20070402080000PD, 20070410080000PD, 20070410130000PD, 20070410140000PD,25, HOURLY, FIRM, POINT_TO_POINT,FULL_PERIOD,FIXED, ,SD:M;RV:M;LC:O, ,5673,1.5,1.35,$/MW-H, ,AAA Provider,888-321-7654, , ,10% DISCOUNT ↵
20070409030002PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC, E, HOURLY, 20070402080000PD, 20070410080000PD, 20070410130000PD, 20070410140000PD,300, HOURLY, NON-FIRM, POINT_TO_POINT,FULL_PERIOD,FIXED, ,SD:M;RV:M;LC:O, ,5682,1.5,1.35,$/MW-H, ,AAA Provider,888-321-7654, , ,10% DISCOUNT ↵
20070409030000PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC, E, HOURLY, 20070402080000PD, 20070410080000PD, 20070410140000PD, 20070410150000PD,25, HOURLY, FIRM, POINT_TO_POINT,FULL_PERIOD,FIXED, ,SD:M;RV:M;LC:O, ,5673,1.5,1.35,$/MW-H, ,AAA Provider,888-321-7654, , ,10% DISCOUNT ↵
20070409030002PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC, E, HOURLY, 20070402080000PD, 20070410080000PD, 20070410140000PD, 20070410150000PD,300, HOURLY, NON-FIRM, POINT_TO_POINT,FULL_PERIOD,FIXED, ,SD:M;RV:M;LC:O, ,5682,1.5,1.35,$/MW-H, ,AAA Provider,888-321-7654, , ,10% DISCOUNT ↵COLUMN_HEADERS=TIME_OF_LAST_UPDATE, SELLER_CODE, SELLER_DUNS, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, INTERFACE_TYPE, OFFER_START_TIME, OFFER_STOP_TIME, START_TIME, STOP_TIME, CAPACITY, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS, ANC_SVC_REQ, SALE_REF, POSTING_REF, CEILING_PRICE, OFFER_PRICE, PRICE_UNITS, SERVICE_DESCRIPTION, NERC_CURTAILMENT_PRIORITY, OTHER_CURTAILMENT_PRIORITY, SELLER_NAME, SELLER_PHONE, SELLER_FAX, SELLER_EMAIL, SELLER_COMMENTS, OFFER_INCREMENT↵
20070406170000PD, WXYZ,543219876, W/AAA/AAA-ABC//, AAA, ABC, E,,, 20070410000000PD, 20070411000000PD,15, WEEKLY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, SC:M;RV:M;LC:O, ,5673,1.5,1.43, $/MW-H,,4,, WXYZ Marketer, 888-789-4321,,, Reselling WEEKLY priority rights, HOURLY↵
20070409030000PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC, E, 20070402080000PD, 20070410080000PD, 20070410080000PD, 20070410090000PD,50, HOURLY, FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, SC:M;RV:M;LC:O, ,5675,1.5,1.35, $/MW-H,,7,, AAA Provider, 888-321-7654,,, 10% DISCOUNT , HOURLY↵
20070409030002PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC, E, 20070402080000PD, 20070410080000PD, 20070410080000PD,

20070410090000PD,300, HOURLY, NON-FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED,, SC:M;RV:M;LC:O, ,5676,1.5,1.35, $/MW-H,,2,,
AAA Provider, 888-321-7654,,, 10% DISCOUNT , HOURLY↵
20070409030000PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC,
E, 20070402080000PD, 20070410080000PD, 20070410090000PD,
20070410100000PD,50, HOURLY, FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED,, SC:M;RV:M;LC:O, ,5682,1.5,1.35, $/MW-H,,7,,
AAA Provider, 888-321-7654,,, 10% DISCOUNT , HOURLY↵
20070409030002PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC,
E, 20070402080000PD, 20070410080000PD, 20070410090000PD,
20070410100000PD,300, HOURLY, NON-FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED,, SC:M;RV:M;LC:O, ,5688,1.5,1.35, $/MW-H,,2,,
AAA Provider, 888-321-7654,,, 10% DISCOUNT , HOURLY↵
20070409030000PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC,
E, 20070402080000PD, 20070410080000PD, 20070410100000PD,
20070410110000PD,0, HOURLY, FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED,, SC:M;RV:M;LC:O, ,5689,1.5,1.35, $/MW-H,,7,,
AAA Provider, 888-321-7654,,, 10% DISCOUNT , HOURLY↵
20070409030002PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC,
E, 20070402080000PD, 20070410080000PD, 20070410100000PD,
20070410110000PD,275, HOURLY, NON-FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED,, SC:M;RV:M;LC:O, ,5693,1.5,1.35, $/MW-H,,2,,
AAA Provider, 888-321-7654,,, 10% DISCOUNT , HOURLY↵
20070409030000PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC,
E, 20070402080000PD, 20070410080000PD, 20070410110000PD,
20070410130000PD,0, HOURLY, FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED,, SC:M;RV:M;LC:O, ,5694,1.5,1.35, $/MW-H,,7,,
AAA Provider, 888-321-7654,,, 10% DISCOUNT , HOURLY↵
20070409030002PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC,
E, 20070402080000PD, 20070410080000PD, 20070410110000PD,
20070410130000PD,150, HOURLY, NON-FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED,, SC:M;RV:M;LC:O, ,5699,1.5,1.35, $/MW-H,,2,,
AAA Provider, 888-321-7654,,, 10% DISCOUNT , HOURLY↵
20070409030000PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC,
E, 20070402080000PD, 20070410080000PD, 20070410130000PD,
20070410140000PD,25, HOURLY, FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED,, SC:M;RV:M;LC:O, ,5702,1.5,1.35, $/MW-H,,7,,
AAA Provider, 888-321-7654,,, 10% DISCOUNT , HOURLY↵
20070409030002PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC,
E, 20070402080000PD, 20070410080000PD, 20070410130000PD,
20070410140000PD,300, HOURLY, NON-FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED,, SC:M;RV:M;LC:O, ,5703,1.5,1.35, $/MW-H,,2,,
AAA Provider, 888-321-7654,,, 10% DISCOUNT , HOURLY↵
20070409030000PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC,
E, 20070402080000PD, 20070410080000PD, 20070410140000PD,
20070410150000PD,25, HOURLY, FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED,, SC:M;RV:M;LC:O, ,5706,1.5,1.35, $/MW-H,,7,,
AAA Provider, 888-321-7654,,, 10% DISCOUNT , HOURLY↵
20070409030002PD, AAA,987654321, W/AAA/AAA-ABC//, AAA, ABC,
E, 20070402080000PD, 20070410080000PD, 20070410140000PD,
20070410150000PD,300, HOURLY, NON-FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED,, SC:M;RV:M;LC:O, ,5707,1.5,1.35, $/MW-H,,2,,
AAA Provider, 888-321-7654,,, 10% DISCOUNT , HOURLY↵

~~19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960~~
~~402080000PD,19960410080000PD,19960410~~
~~080000PD,19960410090000PD,300, HOURLY, FIRM,~~
~~POINT_TO_POINT, OFF_PEAK, N/A, N/A, A001,~~
~~1.50,1.35,MW,N/A,N/A,N/A,N/A,N/A,10% DISCOUNT ↵~~
~~19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960~~
~~402080000PD,19960410080000PD,19960410~~
~~080000PD,19960410090000PD,300, HOURLY, NON-FIRM,~~
~~POINT_TO_POINT, OFF_PEAK, N/A, N/A,A001,1.50,~~
~~1.35,MW,N/A,N/A,N/A,N/A,N/A, 10% DISCOUNT ↵~~
~~19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960~~
~~402080000PD,19960410080000PD,19960410~~
~~090000PD,19960410100000PD,300, HOURLY, FIRM,~~
~~POINT_TO_POINT, OFF_PEAK, N/A,~~
~~N/A,A001,1.50,1.35,MW,N/A,N/A,N/A,N/A,N/A,10% DISCOUNT ↵~~
~~19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960~~
~~402080000PD,19960410080000PD,19960410~~
~~090000PD,19960410100000PD,300, HOURLY, NON-FIRM,~~
~~POINT_TO_POINT, OFF_PEAK, N/A, N/A,A001,1.50,~~
~~1.35,MW,N/A,N/A,N/A,N/A,N/A, 10% DISCOUNT ↵~~
~~19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960~~
~~402080000PD,19960410080000PD,19960410~~
~~100000PD,19960410110000PD,300, HOURLY, FIRM,~~
~~POINT_TO_POINT, OFF_PEAK, N/A,~~
~~N/A,A001,1.50,1.35,MW,N/A,N/A,N/A,N/A,N/A,10% DISCOUNT ↵~~
~~19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960~~
~~402080000PD,19960410080000PD,19960410~~
~~100000PD,19960410110000PD,300, HOURLY, NON-FIRM,~~
~~POINT_TO_POINT, OFF_PEAK, N/A, N/A,A001,1.50,~~
~~1.35,MW,N/A,N/A,N/A,N/A,N/A, 10% DISCOUNT ↵~~
~~19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960~~
~~402080000PD,19960410080000PD,19960410~~
~~110000PD,19960410120000PD,300, HOURLY, FIRM,~~
~~POINT_TO_POINT, OFF_PEAK, N/A,~~
~~N/A,A001,1.50,1.35,MW,N/A,N/A,N/A,N/A,N/A,10% DISCOUNT ↵~~
~~19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960~~
~~402080000PD,19960410080000PD,19960410~~
~~110000PD,19960410120000PD,300, HOURLY, NON-FIRM,~~
~~POINT_TO_POINT, OFF_PEAK, N/A, N/A,A001,1.50,~~
~~1.35,MW,N/A,N/A,N/A,N/A,N/A, 10% DISCOUNT ↵~~
~~. . .~~
~~. . .~~
~~. . .~~
~~19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960~~
~~402080000PD,19960410080000PD,19960410~~
~~140000PD,19960410150000PD,300, HOURLY, FIRM,~~
~~POINT_TO_POINT, OFF_PEAK, N/A,~~
~~N/A,A001,1.50,1.35,MW,N/A,N/A,N/A,N/A,N/A,10% DISCOUNT ↵~~
~~19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960~~
~~402080000PD,19960410080000PD,19960410~~
~~140000PD,19960410150000PD,300, HOURLY, NON-FIRM,~~
~~POINT_TO_POINT, OFF_PEAK, N/A, N/A,A001,1.50,~~

1.35,MW,N/A,N/A,N/A,N/A,N/A, 10% DISCOUNT ↵

013-4.1.2 File Example for Hourly Schedule Data

This example shows a request for the hourly schedule data from Primary Provider, AAAA, related to the seller, WXYZ, for the period 10 a.m. to 3 p.m. on April 10, 20072000.

There are two identical requests examples using two slightly different methods. The first request is using a HTTP URL request string through an HTML GET method. The second request is a similar example using fetch_http from a file using a POST method.

1. **Query**

   URL Request (HTTP method=GET):

   http://(OASIS Node name)/OASIS/AAAaaaa/data/scheduledetail?
   ver=1.4& pprov=AAAA& templ=scheduledetail& fmt=data
   &pprovduns=123456789 &path=W/AAA/ABC//& seller=WXYZ
   &por=BBB &pod=CCC& tz=PD&
   stime=20070410100000PD20000410100000PD&
   sptime=20070410150000PD20000410150000PD

   URL Request (HTTP method=POST):
   $ fetch_http http://(OASIS Node name)/OASIS/aaaa/data/OASISdata -f
   c:/OASIS/wxyz/upload/infile. txt

   Where *in-file.txt* contains the following:

   ver=1.54& pprov=AAAA& templ=scheduledetail& fmt=data
   &pprovduns=123456789 &path=W/AAA/ABC//& seller=WXYZ
   &por=BBB &pod=CCC& tz=PD&
   stime=20070410100000PD20000410100000PD&
   sptime=20070410150000PD20000410150000PD

2. **Response Data**

   REQUEST_STATUS=200↵
   ERROR_MESSAGE=No error. ↵
   TIME_STAMP=20070410160523ES20000410160523ES↵
   VERSION=1.54↵
   TEMPLATE=scheduledetail↵
   OUTPUT_FORMAT=DATA↵
   PRIMARY_PROVIDER_CODE=AAAA↵
   PRIMARY_PROVIDER_DUNS=123456789↵
   RETURN_TZ=PD↵
   DATA_ROWS=3↵
   COLUMN_HEADERS=CONTINUATION_FLAG,
   TIME_OF_LAST_UPDATE, SCHEDULE_REF, TRANSACTION_ID,
   PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY,
   GCA_CODE, LCA_CODE, SOURCE, SINK, SCHEDULE_PRIORITY,
   START_TIME, STOP_TIME, SCHEDULE_REQUESTED,

SCHEDULE_GRANTED, ASSIGNMENT_REF, SELLER_CODE,
SELLER_DUNS, CUSTOMER_CODE, CUSTOMER_DUNS,
AFFILIATE_FLAG, SERVICE_INCREMENT, TS_CLASS, TS_TYPE,
TS_PERIOD, TS_WINDOW, TS_SUBCLASS,
NERC_CURTAILMENT_PRIORITY,
OTHER_CURTAILMENT_PRIORITY, CAPACITY_USED,
PROVIDER_ACTION, SCHEDULE_LIMIT, CURTAILMENT_OPTIONS,
SECURITY_REF, INITIATING_PARTY, RESPONSIBLE_PARTY,
PROCEDURE_NAME, PROCEDURE_LEVEL, FACILITY_LOCATION,
FACILITY_NAME, FACILITY_CLASS,
FACILITY_LIMIT_TYPE,ANNOTATION.↵
N, 20070409030000PD20000409030000PD,12345,
BBB_MKTATAGCODE_CCC2233, W/AAA/ABC//, BBB, CCC,
BBB,CCC,GENX,LOADY,2, 20070410100000PD,
20070410110000PD,280,280,,,,,,1, 20000410100000PD,
20000410110000PD,300,300,856743, WXYZwxyz,987654321,
MKTAWXYZAA,987654322, NY, HOURLY, NON_FIRM,
POINT_TO_POINT, ONOFF_PEAK, FIXED,,2, 1,1,300,,,,,,,,,,,, ↵
N, 20070409030000PDN, 20000409030000PD,12346,
BBB_MKTATAGCODE_CCC, W/AAA/ABC//, BBB, CCC,
BBB,CCC,GENX,LOADY,2, 20070410110000PD,
20070410140000PD,295,295,2233, W/AAA/ABC//, BBB, CCC,,,,,1,
20000410130000PD, 20000410140000PD,300,300,856743,
WXYZwxyz,987654321, MKTAWXYZAA,987654322, NY, HOURLY,
NON_FIRM, POINT_TO_POINT, ONOFF_PEAK, FIXED,,2,
1,1,300,,,,,,,,,,,, ↵
N, 20070409030000PDN, 20000409030000PD,12347,
BBB_MKTATAGCODE_CCC2233, W/AAA/ABC//, BBB, CCC,
BBB,CCC,GENX,LOADY,2, 20070410140000PD,
20070410150000PD,,,,,1, 20000410140000PD,
20000410150000PD,300,300,856743, WXYZwxyz,987654321,
MKTAWXYZAA,987654322, NY, HOURLY, NON_FIRM,
POINT_TO_POINT, ONOFF_PEAK, FIXED,,2, 1,1,300,,,,,,,,,,,,
COLUMN_HEADERS=CONTINUATION_FLAG,
TIME_OF_LAST_UPDATE, SCHEDULE_REF, TRANSACTION_ID,
PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY,
GCA_CODE, LCA_CODE, SOURCE, SINK, SCHEDULE_PRIORITY,
START_TIME, STOP_TIME, SCHEDULE_REQUESTED,
SCHEDULE_GRANTED, ASSIGNMENT_REF, SELLER_CODE,
SELLER_DUNS, CUSTOMER_CODE, CUSTOMER_DUNS,
AFFILIATE_FLAG, SERVICE_INCREMENT, TS_CLASS, TS_TYPE,
TS_PERIOD, TS_WINDOW, TS_SUBCLASS,
NERC_CURTAILMENT_PRIORITY,
OTHER_CURTAILMENT_PRIORITY, CAPACITY_USED,
PROVIDER_ACTION, SCHEDULE_LIMIT, CURTAILMENT_OPTIONS,
SECURITY_REF, INITIATING_PARTY, RESPONSIBLE_PARTY,
PROCEDURE_NAME, PROCEDURE_LEVEL, FACILITY_LOCATION,
FACILITY_NAME, FACILITY_CLASS,
FACILITY_LIMIT_TYPE,ANNOTATION.↵
N, 20070409030000PD,12345, BBB_MKTATAGCODE_CCC,
W/AAA/ABC//, BBB, CCC, BBB,CCC,GENX,LOADY,2,
20070410100000PD, 20070410110000PD,280,280,856743,

WXYZ,987654321, MKTA,987654322, N, HOURLY, NON_FIRM,
POINT_TO_POINT, ON_PEAK, FIXED,,2, ,300,,,,,,,,,,,, ↵
N, 20070409030000PD,12346, BBB_MKTATAGCODE_CCC,
W/AAA/ABC//, BBB, CCC, BBB,CCC,GENX,LOADY,2,
20070410110000PD, 20070410140000PD,295,295,856743,
WXYZ,987654321, MKTA,987654322, N, HOURLY, NON_FIRM,
POINT_TO_POINT, ON_PEAK, FIXED,,2, ,300,,,,,,,,,,,, ↵
N, 20070409030000PD,12347, BBB_MKTATAGCODE_CCC,
W/AAA/ABC//, BBB, CCC, BBB,CCC,GENX,LOADY,2,
20070410140000PD, 20070410150000PD,300,300,856743,
WXYZ,987654321, MKTA,987654322, N, HOURLY, NON_FIRM,
POINT_TO_POINT, ON_PEAK, FIXED,,2, ,300,,,,,,,,,,,, ↵

013-4.1.3 Customer Posting a Transmission Service Offering

This example shows how a Customer would post for sale the transmission service that was purchased previously. The Seller would create a file and upload the file using the FETCH_HTTP program to send a file to the OASIS Node of the Primary Provider. This example shows the posting of MONTHLY service offered for resale on a DAILY increment basis.

1. **Input:**
   FETCH_HTTP Command to send posting:
   $ fetch_http http://(OASIS Node name)/OASIS/abcd/data/transrequest -f c:/OASIS/abcd/upload/*post.txt*

   Where the file *post.txt* contains:

   VERSION=1.54.↵
   TEMPLATE=transpost.↵
   OUTPUT_FORMAT=DATA ↵
   PRIMARY_PROVIDER_CODE=AAAA.↵
   PRIMARY_PROVIDER_DUNS=123456789.↵
   DATA_ROWS=1.↵
   COLUMN_HEADERS=PATH_NAME, POINT_OF_RECEIPT,
   POINT_OF_DELIVERY, INTERFACE_TYPE, CAPACITY,
   SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD,
   TS_WINDOW, TS_SUBCLASS, ANC_SVC_REQ, START_TIME,
   STOP_TIME, OFFER_START_TIME, OFFER_STOP_TIME,
   SALE_REF, OFFER_PRICE, SERVICE_DESCRIPTION,
   SELLER_COMMENTS, OFFER_INCREMENT
   W/AAA/ABC-DEF//,,, E,150, MONTHLY, NON-FIRM,
   POINT_TO_POINT, FULL_PERIOD, FIXED,,, 200070410000000PD,
   20070414000000PD, 20070402080000PD, 20070410070000PD,
   A123,0.9,,"As Joe said, ""It is a good buy""",
   DAILY.↵COLUMN_HEADERS=PATH_NAME, POINT_OF_RECEIPT,
   POINT_OF_DELIVERY, INTERFACE_TYPE, CAPACITY,
   SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD,
   TS_WINDOW, TS_SUBCLASS, ANC_SVC_REQ, START_TIME,
   STOP_TIME, OFFER_INCREMENT, OFFER_START_TIME,
   OFFER_STOP_TIME, SALE_REF, OFFER_PRICE,
   SERVICE_DESCRIPTION, SELLER_COMMENTSCOMMENTPF.↵

~~WXYZ,987654321,W/AAA/ABC-DEF//,,, //,N/A,N/A,E,150, MONTHLY, NON-HOURLY, FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,,, 20070410000000PD, 20070414000000PD, DAILY, 20070402080000PD, 20070410070000PDOFF_PEAK, N/A,, 19960402080000PD,19960410080000PD, 19960410080000PD,19960410150000PD, A123,0.9,.90,N/A,"As Joe said, ""It is a good buy""",↵~~
~~FETCH_HTTP Command to send posting $ fetch_http http://(OASIS Node name)/OASIS/abcd/data/transrequest -f c:/OASIS/abcd/upload/*post.txt*~~

2. Response Data

REQUEST-STATUS=200 ↵ (*Successful*)
TIME_STAMP=20070409113526PD~~19960409113526PD~~ ↵
VERSION=1.54↵
TEMPLATE=transpost↵
OUTPUT_FORMAT=DATA ↵
PRIMARY_PROVIDER_CODE=AAA~~A~~↵
PRIMARY_PROVIDER_DUNS=123456789↵
DATA_ROWS=1↵
COLUMN_HEADERS=RECORD_STATUS, POSTING_REF, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, INTERFACE_TYPE, CAPACITY, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS, ANC_SVC_REQ, START_TIME, STOP_TIME, OFFER_START_TIME, OFFER_STOP_TIME, SALE_REF, OFFER_PRICE, SERVICE_DESCRIPTION, SELLER_COMMENTS, OFFER_INCREMENT, ERROR_MESSAGE↵
200,7453255, W/AAA/ABC-DEF//,,, E,150, MONTHLY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,,, 200070410000000PD, 20070414000000PD, 20070402080000PD, 20070410070000PD, A123,0.9,," As Joe said, ""It is a good buy""", DAILY, No Error~~COLUMN_HEADERS=RECORD_STATUS, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, INTERFACE_TYPE, CAPACITY, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS, ANC_SVC_REQ, START_TIME, STOP_TIME, OFFER_INCREMENT, OFFER_START_TIME, OFFER_STOP_TIME, SALE_REF, OFFER_PRICE, SERVICE_DESCRIPTION, SELLER_COMMENTS, ERROR_MESSAGE↵~~
~~200, WXYZ,987654321,W/AAA/ABC-DEF//,,, //,N/A,N/A,E,150, MONTHLY, NON-HOURLY, FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,,, 200070410000000PD, 20070414000000PD, DAILY, 20070402080000PD, 20070410070000PDOFF_PEAK, N/A, 19960402080000PD,19960410080000PD, 19960410080000PD,19960410150000PD, A123,0.9,,.90,N/A, "As Joe said, ""It is a good buy""", No Error.↵~~

013-4.1.4 Example of Aggregating PurchasedRe-aggregating Purchasing Services for Resale using Reassignment

The following examples do not show the complete Template information, but only show the values assigned to those Data Elements in ~~elements of~~ the Template that are important~~of interest~~ to the example.

a. Customer #1, "BestE", requests the purchase of 20~~150~~ MW Daily Firm service~~ATC~~ for May 7th and 8th.~~8 a.m. to 5 p.m.~~ for $1.00 from ~~a~~ Primary Provider AAA (*transrequest*).

TEMPLATE=”transrequest”↵
CUSTOMER_CODE=”BestE” (Implied by the registered entity submitting the template)↵
SELLER_CODE=”AAA”
PATH_NAME=” W/AAA/AAA-ABC//”
SERVICE_INCREMENT=”DAILY”
~~CAPACITY=150.~~↵
TS_CLASS="FIRM"↵
~~BID~~_START_TIME="2007050700000000PD"~~19960507080000000PD".~~↵
~~BID~~_STOP_TIME="20070509000000PD"
~~BID~~_CAPACITY_REQUESTED=”20”
~~STOP_TIME="19960507170000000PD".~~↵
BID_PRICE="~~$~~1.00"↵
REQUEST_TYPE=”ORIGINAL”

The Information Provider assigns ASSIGNMENT_REF = 5000 on acknowledgment.

b. Customer #1 purchases an additional 70~~120~~ MW of Daily Firm service on the same path~~ATC Non-firm~~ for May 8th~~3 p.m. to 9 p.m.~~ for $1.05~~.90~~ (*transrequest*). ~~The Information Provider assigns the ASSIGNMENT_REF=5001 when the request for purchase is made and is shown in the acknowledgment.~~

TEMPLATE="transrequest"↵
CUSTOMER_CODE~~=”=”~~BestE” (Implied by the registered entity submitting the template)".↵
SELLER_CODE=”AAA”
PATH_NAME=” W/AAA/AAA-ABC//”
SERVICE_INCREMENT=”DAILY”
~~CAPACITY=120.~~↵
TS_CLASS="~~NON-~~FIRM"↵
~~BID~~_START_TIME="2007050800000000PD"~~19960507150000000PD".~~↵
~~BID~~_STOP_TIME="20070509000000000PD"
~~BID~~_CAPACITY_REQUESTED=”70”
~~STOP_TIME="19960507210000000PD".~~↵
BID_PRICE="~~$~~1.05"↵
REQUEST_TYPE=”ORIGINAL”

The Information Provider assigns ASSIGNMENT_REF = 5006 on acknowledgment.

c. Customer #1 becomes Reseller #1 and posts an offer of ~~Seller #1 and post the~~ Transmission service of 50~~100~~ MW of their Daily Firm rights purchased

aboveATC Non-firm capacity from 8 a.m. to 9 p.m. for resale on an Hourly basis on May 8th from 7 a.m. to 11 p.m. at $.90/MW-hour.

TEMPLATE="transpost"↵
SELLER_CODE="BestE" (Implied by the registered entity submitting the template)"↵
PATH_NAME=" W/AAA/AAA-ABC//"
CAPACITY="50"100.↵
SERVICE_INCREMENT="DAILY"
TS_CLASS="NON-FIRM"↵
START_TIME="2007050807000000PD"1996050708000000PD"↵
STOP_TIME="20070508230000PD"
OFFER_INCREMENT="HOURLY"
STOP_TIME="1996050721000000PD"↵
SALE_REF="BEST 50"BEST100"↵
OFFER_PRICE=".=.90"↵
SELLER_COMMENTS="aggregating two previous purchases"↵

d. Customer #2, "Whlsle", then requests purchase of 35100 MW Non-firm from Reseller #1 from 8 a.m. to 56 p.m. for $0.90/MW-hour (*transrequest*).

TEMPLATE="transrequest"↵
CUSTOMER_CODE="Whlsle"(Implied by the registered entity submitting the template)"↵
SELLER_CODE="BestE"↵
PATH_NAME=" W/AAA/AAA-ABC//"
SERVICE_INCREMENT="DAILY"
CAPACITY=100.↵
TS_CLASS="NON-FIRM"↵
BID_START_TIME="20070508080000PD"1996050708000000PD"↵
BID_STOP_TIME="20070508170000PD"
BID_CAPACITY_REQUESTED="35"
STOP_TIME="1996050721000000PD"↵
SALE_REF="BEST100".↵
DEAL_REF="WPC100"↵
BID_PRICE="0.90"↵
CUSTOMER_COMMENTS="Only need service until 56 p.m."↵
REQUEST_TYPE="RESALE"

The Information Provider provides the ASSIGNMENT_REF=503350002 for this transaction.

e. Seller (Reseller #1) informs the Information Provider of the reassignment of the previous transmission rights when the seller accepts the customer purchase request (*transsell*).

TEMPLATE="transsell"↵
CUSTOMER_CODE="Whlsle".↵
SELLER_CODE="BestE" (Implied by the registered entity submitting the template)"↵
ASSIGNMENT_REF=503350002.↵
OFFER_START_TIME="20070508080000PD"
OFFER_STOP_TIME="20070508170000PD"

OFFER_CAPACITY_GRANTED="35"
OFFER_PRICE="0.90"
STATUS="ACCEPTED"Accepted".↵
REASSIGNED_REF1=5000↵
REASSIGNED_CAPACITY1= 20100.↵
REASSIGNED_START_TIME1="20070508080000PD"199605070800PD".↵
REASSIGNED_STOP_TIME1="20070508170000PD"199605071700PD".↵
REASSIGNED_REF2=50065001.↵
REASSIGNED_CAPACITY2=15100.↵
REASSIGNED_START_TIME2="20070508080000PD"199605071700PD".↵
REASSIGNED_STOP_TIME2="20070508170000PD"199605071800PD".↵

Resale Business Practice Standards govern what services may be aggregated and offered for resale. The sum of all REASSIGNED_CAPACITY over time must be sufficient to satisfy the capacity granted in OFFER_CAPACITY over the interval of OFFER_START_TIME to OFFER_STOP_TIME.

013-4.1.5 File Examples of the Use of Continuation Records

a. Basic Continuation Records

The first example of the use of Continuation Records is for the *transrequest* Template submitted by a Customer, "MOP",Seller for purchase of a transmission reservation spanning 16 hours from 06:00 to 22:00 with "ramped" demand at beginning and end of time period. Two additional reservation requests are also submitted in this request reservations appear prior to and following the profile to demonstrate the handling of ASSIGNMENT_REF by the OASIS Node. The last request is for

Only the following fields may be redefined in a purchase from a Reseller, "EFG".

The OASIS S&CP identifies which Data Elements may appear in continuation records. For profiled request of capacity, the Data Elements BID continuation record for the *transrequest* Template: CAPACITY_GRANTED, START_TIME, BID STOP_TIME, BID . Specification of any values corresponding to COLUMN_HEADERs other than CAPACITY_REQUESTED-GRANTED, START_TIME, and BID_PRICE are repeated in continuation records to define each segment of the profiled requests. Specification of any values corresponding to COLUMN_HEADERs that are not specified as being allowed in continuation recordsSTOP_TIME will be ignored, however commas must be included to properly align the Data Elements associated with each continuation recordCAPACITY_GRANTED, START_TIME and STOP_TIME fields.

Input:

VERSION=1.54.↵
TEMPLATE=transrequest.↵
OUTPUT_FORMAT=DATA.↵
PRIMARY_PROVIDER_CODE=AAAAEP.↵
PRIMARY_PROVIDER_DUNS=123456789.↵

RETURN_TZ=ES↵
DATA_ROWS=7↵
COLUMN_HEADERS=CONTINUATION_FLAG, SELLER_CODE,
SELLER_DUNS, PATH_NAME, POINT_OF_RECEIPT,
POINT_OF_DELIVERY, SOURCE, SINK,CAPACITY_REQUESTED,
SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD,
TS_WINDOW, TS_SUBCLASS, STATUS_NOTIFICATION, START_TIME,
STOP_TIME, BID_PRICE, PRECONFIRMED, ANC_SVC_LINK,
POSTING_REF, SALE_REF, REQUEST_REF, DEAL_REF,
CUSTOMER_COMMENTS,REQUEST_TYPE,RELATED_REF↵
N, AAA,123456789, X/AEF/CEF-ECS//, CEF, ECS,,,35, DAILY, FIRM,
POINT_TO_POINT, OFF_PEAK, FIXED,, /AAA/incoming?ref=R765,
20070423000000ES, 20070424000000ES,24.5, NO,,,, R765, D123,
Standard daily reservation, ORIGINAL, ↵
N, AAA,123456789,, AEF, MPO,,,5, HOURLY, NON-FIRM,
POINT_TO_POINT, FULL_PERIOD, FIXED,, /AAA/incoming?ref=R766,
20070423060000ES, 20070423070000ES,2.5, YES,,,, R766, D123, First
piece of profile spanning 5 records, ORIGINAL, ↵
Y,,,,,,,,10,,,,,,,, 20070423070000ES, 20070423080000ES,2.5,,,,,,,,, ↵
Y,,,,,,,,15,,,,,,,, 20070423080000ES, 20070423200000ES,2.5,,,,,,,,, ↵
Y,,,,,,,,10,,,,,,,, 20070423200000ES, 20070423210000ES,2.5,,,,,,,,, ↵
Y,,,,,,,,5,,,,,,,, 20070423210000ES, 20070423220000ES,2.5,,,,,,,,, ↵
N, EFG,678912345, X/AEF/CEF-ECS//, CEF, ECS,,,20,DAILY, FIRM,
POINT_TO_POINT,FULL_PERIOD, FIXED,, /AAA/incoming?ref=R767,
20070423040000ES, 20070423160000ES,2, YES,,,, R767, D123, Resale
hourly reservation after profiled reservation, RESALE,
COLUMN_HEADERS=CONTINUATIONCONTINUTATION_FLAG,
SELLER_CODE,_SELLER_DUNS, PATH_NAME, POINT_OF_RECEIPT,
POINT_OF_DELIVERY, SOURCE, SINK,CAPACITY_REQUESTED,
SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD,
TS_WINDOW, TS_SUBCLASS, STATUS_NOTIFICATION,
BID_START_TIME, BID_STOP_TIME, BID_CAPACITY, BID_PRICE,
PRECONFIRMED, ANC_SVC_LINKLNK, POSTING_REF, SALE_REF,
REQUEST_REF, DEAL_REF, CUSTOMER_COMMENTS,
REQUEST_TYPE,RELATEDREASSIGNED_REF↵
N, AAAAEP,123456789, X/AEF/CEF-ECS//, CEF, ECS,,,ABC/XY, CE,
MECS,,,35, DAILY, FIRM, POINT_TO_POINT, OFF_PEAKFULL_PERIOD,
FIXED,, /AAApub/AEP/incoming?ref=R765, 20070423000000ES,
20070424000000ES,35,,20000423000000ES,20000424000000ES,24.5,
N,,,Y, SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);,
P0123 , S123, R765, D123, Standard daily reservation, ORIGINAL, ↵
N, AAAAEP,123456789,, AEF, MPO,,,, ABC/XY, CE, AMPO,,,5, HOURLY,
NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,,
/AAApub/AEP/incoming?ref=R766, 20070423060000ES,
20070423070000ES,5,,20000423060000ES,20000423070000ES,2.5, Y,,,,
R766, SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);,
P0123 , S123, R765, D123, First piece of profile spanning 5 records,
ORIGINAL, ↵
Y,,,,,,,,,,,,,,, 20070423070000ES, 20070423080000ES,10,,,,,,,
,20000423070000ES,20000423080000ES,,,,,,,, Second piece,, ↵
Y,,,,,,,,,,,,,,, 20070423080000ES, 20070423200000ES,15,,,,,,,
,20000423080000ES,20000423200000ES,,,,,,,, Third piece,,,, ↵

Y,,,,,,,,,,,,,,,, 20070423200000ES, 20070423210000ES,10,,,,,,,
,20000423200000ES,20000423210000ES,,,,,,,, Fourth piece,, ↵
Y,,,,,,,,,,,,,,,, 20070423210000ES, 20070423220000ES,5,,,,,,,
,20000423210000ES,20000423220000ES,,,,,,,, Fifth piece,, ↵
N, EFGAEP,123456789, X/AEF/CEF-ECS//, CEF, ECS,,,DAILY, ABC/XY,
CE, MECS, , ,20, HOURLY, NON-FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED,, /AAApub/AEP/incoming?ref=R767,
20070423040000ES,
20070423160000ES,20,,20000423040000ES,20000423160000ES,2, Y,,,,
R767, SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);,
P0123 , S123, R765, D123, ResaleStandard hourly reservation after
profiled reservation, RESALEORIGINAL, ↵

Response:

REQUEST_STATUS=200↵
ERROR_MESSAGE=SuccessSuccessfully updated. ↵
TIME_STAMP=20070422160523ES20000422160523ES↵
VERSION=1.54↵
TEMPLATE=transrequest↵
OUTPUT_FORMAT=DATA↵
PRIMARY_PROVIDER_CODE=AAAAEP↵
PRIMARY_PROVIDER_DUNS=123456789↵
RETURN_TZ=ES↵
DATA_ROWS=7↵
COLUMN_HEADERS=RECORD_STATUS, CONTINUATION_FLAG,
ASSIGNMENT_REF, SELLER_CODE, SELLER_DUNS, PATH_NAME,
POINT_OF_RECEIPT, POINT_OF_DELIVERY, SOURCE, SINK,
CAPACITY_REQUESTED, SERVICE_INCREMENT, TS_CLASS,
TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS,
STATUS_NOTIFICATION, START_TIME, STOP_TIME, BID_PRICE,
PRECONFIRMED, ANC_SVC_LINK, POSTING_REF, SALE_REF,
REQUEST_REF, DEAL_REF, CUSTOMER_COMMENTS,
REQUEST_TYPE, RELATED_REF, ERROR_MESSAGE↵
200,N,23879032, AAA,123456789, X/AEF/CEF-ECS//, CEF, ECS,,,35,
DAILY, FIRM, POINT_TO_POINT, OFF_PEAK, FIXED,,
/AAA/incoming?ref=R765, 20070423000000ES, 20070424000000ES,24.5,
NO,,,, R765, D123, Standard daily reservation, ORIGINAL, , No Error↵
200,N,23879037, AAA,123456789,, AEF, MPO,,,5, HOURLY, NON-FIRM,
POINT_TO_POINT, FULL_PERIOD, FIXED,, /AAA/incoming?ref=R766,
20070423060000ES, 20070423070000ES,2.5, YES,,,, R766, D123, First
piece of profile spanning 5 records, ORIGINAL, , No Error↵
200,Y,23879037,,,,,,,,10,,,,,,,, 20070423070000ES,
20070423080000ES,2.5,,,,,,,,, , No Error↵
200,Y,23879037,,,,,,,,15,,,,,,,, 20070423080000ES,
20070423200000ES,2.5,,,,,,,,, , No Error↵
200,Y,23879037,,,,,,,,10,,,,,,,, 20070423200000ES,
20070423210000ES,2.5,,,,,,,,, , No Error↵
200,Y,23879037,,,,,,,,5,,,,,,,, 20070423210000ES,
20070423220000ES,2.5,,,,,,,,, No Error↵
200,N,23879040, EFG,678912345, X/AEF/CEF-ECS//, CEF,
ECS,,,20,DAILY, FIRM, POINT_TO_POINT,FULL_PERIOD, FIXED,,
/AAA/incoming?ref=R767, 20070423040000ES, 20070423160000ES,2,

YES,,,, R767, D123, Resale hourly reservation after profiled reservation, RESALE, , No ErrorCOLUMN_HEADERS=RECORD_STATUS, CONTINUTATION_FLAG, ASSIGNMENT_REF, CONTINUATION_FLAG, SELLER_CODE, SELLER_DUNS, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, SOURCE, SINK,CAPACITY_REQUESTED, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS, STATUS_NOTIFICATION, BID_START_TIME, BID_STOP_TIME, BID_CAPACITY, BID_PRICE, PRECONFIRMED, ANC_SVC_LINKLNK, POSTING_REF, SALE_REF, REQUEST_REF, DEAL_REF, CUSTOMER_COMMENTS, REQUEST_TYPE,RELATEDREASSIGNED_REF, ERROR_MESSAGE.↵
200,23879032,N, AAA8234, AEP,123456789, X/AEF/CEF-ECS//, CEF, ECS,,,ABC/XY, CE, MECS,,,35, DAILY, FIRM, POINT_TO_POINT, OFF_PEAKFULL_PERIOD, FIXED,, /AAApub/AEP/incoming?ref=R765, 20070423000000ES, 20070424000000ES,35,,20000423000000ES,20000424000000ES,24.5, N,,,Y, SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, P0123 , S123, R765, D123, Standard daily reservation, ORIGINAL,, No Errorerror.↵
200,23879037,N, AAAN,8235, AEP,123456789,, AEF, MPO,,,, ABC/XY, CE, AMPO,,,5, HOURLY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, /AAApub/AEP/incoming?ref=R766, 20070423060000ES, 20070423070000ES,5,,20000423060000ES,20000423070000ES,2.5, Y,,,, R766, SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, P0123 , S123, R765, D123, First piece of profile spanning 5 records, ORIGINAL,, No Errorerror.↵
200,,Y,,,,,,,,,,,,,,, 20070423070000ES, 20070423080000ES,10,,,,,,,, Second piece,, , No Error.↵
200,,Y,,,,,,,,,,,,,,, 20070423080000ES, 20070423200000ES,15,,,,,,,, Third piece,, , No Error.↵
200,Y,8235,,,,,,,,10,,,,,,,,20000423070000ES,20000423080000ES,,,,,,,, Second piece,,, No error.↵
200,Y,8235,,,,,,,,15,,,,,,,,20000423080000ES,20000423200000ES,,,,,,,, Third piece,,, No error.↵
200,,Y,,,,,,,,,,,,,,, 20070423200000ES, 20070423210000ES8235,,,,,,,,10,,,,,,,,20000423200000ES,200004232100000ES,,,,,,,, Fourth piece,,, No Errorerror.↵
200,,Y,,,,,,,,,,,,,,, 20070423210000ES, 20070423220000ES8235,,,,,,,,5,,,,,,,,20000423210000ES,20000423220000ES,,,,,,,, Fifth piece,,, No Errorerror.↵
200,23879040,N, EFGN,8236, AEP,123456789, X/AEF/CEF-ECS//, CEF, ECS,,,DAILY, ABC/XY, CE, MECS,,,20, HOURLY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, /AAApub/AEP/incoming?ref=R767, 20070423040000ES, 20070423160000ES,20,,20000423040000ES,20000423160000ES,2, Y,,,, R767, SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, P0123 , S123, R765, D123, ResaleStandard hourly reservation after profiled reservation, RESALE, ORIGINAL,, No Errorerror.↵

b. Submission of Reassignment Information - Case 1:

In the prior example (last data record in ***transrequest***), a RESALE reservation request was submitted to "Reseller "EFG"" for 20MW of DAILY

FIRM scheduling rights ~~Hourly Non-firm service~~ from 04:00 to 16:00. Assume that the Reseller has previously reserved service for the CEF-ECS ~~VP~~ path for Daily Firm in amount of 50 MW on 4/23 under ASSIGNMENT_REF=23877019, and another ~~Hourly Non-Firm in amount of~~ 10 MW ~~from 08:00 to 20:00~~ on 4/23 under ASSIGNMENT_REF=23877880. Reseller must designate which transmission service rights are to be reassigned to the Customer~~Cust~~ to satisfy the 20MW from 04:00 to 16:00. This reassignment information is conveyed by Reseller using the *transsell* Template when the reservation request is ACCEPTED. At the SELLER's discretion, rights are assigned for~~from~~ the ~~Non-firm reservation~~ first four hours of the resale from the first reservation (ASSIGNMENT_REF=23877019). ~~7880) with the balance taken up by the Firm reservation (ASSIGNMENT_REF=7019).~~

The balance of the resale is supported by 10 MWs from the second reservation first (ASSIGNMENT_REF=23877880) with the balance taken up by the first reservation (ASSIGNMENT_REF=23877019). This split of reassignment information is conveyed~~only fields allowed~~ in "continuation" records via the ~~for~~ *transsell* Template Data Elements~~are~~ REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME. ~~Price may not be negotiated for each "segment" in a capacity profile.~~

Input:

VERSION=1.5~~4~~↵
TEMPLATE=transsell↵
OUTPUT_FORMAT=DATA↵
PRIMARY_PROVIDER_CODE=AAA~~AEP~~↵
PRIMARY_PROVIDER_DUNS=123456789↵
RETURN_TZ=ES↵
DATA_ROWS=3↵
COLUMN_HEADERS=CONTINUATION_FLAG, ASSIGNMENT_REF, START_TIME, STOP_TIME, OFFER_PRICE, CAPACITY_GRANTED, STATUS, STATUS_COMMENTS, ANC_SVC_LINK, ANC_SVC_REQ,COMPETING_REQUEST_FLAG, NEGOTIATED_PRICE_FLAG, SELLER_REF, SELLER_COMMENTS, RESPONSE_TIME_LIMIT, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME , REASSIGNED_STOP_TIME , PRIMARY_PROVIDER_APPROVAL, PRIMARY_PROVIDER_COMMENTS, PRIMARY_PROVIDER_CONDITIONS, REASSESSMENT_DUE_TIME, RENEWAL_DUE_TIME, ROLLOVER_START_TIME, ROLLOVER_STOP_TIME, ROLLOVER_CAPACITY↵
N,23879040, 20070423040000ES, 20070423160000ES,2,20, ACCEPTED, Status comments here, , , N, , S78234, Seller comments here, 20070421153720ES,23877019,20, 20070423040000ES, 20070423080000ES,,,,,,, ↵
Y,23879040,,,,,,,,,,,,,23877880,10, 20070423080000ES, 20070423160000ES,,,,,,, ↵
Y,23879040,,,,,,,,,,,,,23877019,10, 20070423080000ES, 20070423160000ES,,,,,,, ~~COLUMN_HEADERS=CONTINUATION_FLAG, ASSIGNMENT_REF, OFFER_START_TIME, OFFER_STOP_TIME, OFFER_CAPACITY, OFFER_PRICE,CAPACITY_GRANTED, STATUS,~~

STATUS_COMMENTS, ANC_SVC_LINK, ANC_SVC_REQ, NEGOTIATED_PRICE_FLAG, SELLER_REF, SELLER_COMMENTS, RESPONSE_TIME_LIMIT, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME , REASSIGNED_STOP_TIME , PRIMARY_PROVIDER_APPROVAL, PRIMARY_PROVIDER_COMMENTS, PRIMARY_PROVIDER_CONDITIONS, REASSESSMENT_DUE_TIME, RENEWAL_DUE_TIME, ROLLOVER_START_TIME, ROLLOVER_STOP_TIME, ROLLOVER_CAPACITY.↵
N,23879040, 20070423040000ES, 20070423160000ES8236, 20000423040000ES, 20000423160000ES,2.5,20,2, ACCEPTED, Status comments here,
SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);;
SC:M;RV:M, N;RF:U;EI:U;SP:U;SU:U;;, S123, Seller comments here,,23877019,20, 20070423040000ES, 20070423080000ES,,,,,,,, 20000423040000ES, 20000423080000ES.↵
Y,,,,,,,,,,,23877880,10, 20070423080000ES, 20070423160000ES,,,,,,,, ↵
Y,,,,,,,,,,,23877019,10, 20070423080000ES, 20070423160000ES,,,,,,,, ↵
Y,8236,,, ,, , , ,,,, ,,7880,10, 20000423080000ES, 20000423160000ES.↵
Y,8236,,, ,, , , ,,,, ,,7019,10, 20000423080000ES, 20000423160000ES.↵

Response:

REQUEST_STATUS=200.↵
ERROR_MESSAGE=Successfully updated. ↵
TIME_STAMP=20070422160523ES20000422160523ES.↵
VERSION=1.54.↵
TEMPLATE=transsell.↵
OUTPUT_FORMAT=DATA.↵
PRIMARY_PROVIDER_CODE=AAAAEP.↵
PRIMARY_PROVIDER_DUNS=123456789.↵
RETURN_TZ=ES.↵
DATA_ROWS=3.↵
COLUMN_HEADERS=RECORD_STATUS, CONTINUATION_FLAG, ASSIGNMENT_REF, START_TIME, STOP_TIME, OFFER_PRICE,CAPACITY_GRANTED, STATUS, STATUS_COMMENTS, ANC_SVC_LINK, ANC_SVC_REQ, COMPETING_REQUEST_FLAG, NEGOTIATED_PRICE_FLAG, SELLER_REF, SELLER_COMMENTS, RESPONSE_TIME_LIMIT, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME , REASSIGNED_STOP_TIME , PRIMARY_PROVIDER_APPROVAL, PRIMARY_PROVIDER_COMMENTS, PRIMARY_PROVIDER_CONDITIONS, REASSESSMENT_DUE_TIME, RENEWAL_DUE_TIME, ROLLOVER_START_TIME, ROLLOVER_STOP_TIME, ROLLOVER_CAPACITY, ERROR_MESSAGE↵
200,N,23879040, 20070423040000ES, 20070423160000ES,2,20, ACCEPTED, Status comments here, , , N, , S78234, Seller comments here, 20070421153720ES,23877019,20, 20070423040000ES, 20070423080000ES,,,,,,,, , No Error.↵
200,Y,23879040,,,,,,,,,,,,,23877880,10, 20070423080000ES, 20070423160000ES,,,,,,,, , No Error.↵
200,Y,23879040,,,,,,,,,,,,,23877019,10, 20070423080000ES, 20070423160000ES,,,,,,,, , No

ErrorCOLUMN_HEADERS=RECORD_STATUS,_CONTINUATION_FLAG, ASSIGNMENT_REF, OFFER_START_TIME, OFFER_STOP_TIME, OFFER_CAPACITY, OFFER_PRICE,CAPACITY_GRANTED, STATUS, STATUS_COMMENTS, ANC_SVC_LINK, ANC_SVC_REQ, NEGOTIATED_PRICE_FLAG, SELLER_REF, SELLER_COMMENTS, RESPONSE_TIME_LIMIT, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME , REASSIGNED_STOP_TIME , PRIMARY_PROVIDER_APPROVAL, PRIMARY_PROVIDER_COMMENTS, PRIMARY_PROVIDER_CONDITIONS, REASSESSMENT_DUE_TIME, RENEWAL_DUE_TIME, ROLLOVER_START_TIME, ROLLOVER_STOP_TIME, ROLLOVER_CAPACITY, ERROR_MESSAGE.↵
200,N,23879040, 20070423040000ES, 20070423160000ES,8236, 20000423040000ES, 20000423160000ES,2.5,20,2, ACCEPTED, Status comments here,
SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);,
SC:M;RV:M, N;RF:U;EI:U;SP:U;SU:U;,, S123, Seller comments here,,23877019,20, 20070423040000ES, 20070423080000ES,,,,,,,, 20000423040000ES, 20000423080000ES, No Errorerror.↵
200,Y,,,,,,,,,,,23877880,10, 20070423080000ES, 20070423160000ES,,,,,,,, , No Error.↵
200,Y,,,,,,,,,,,23877019,10, 20070423080000ES, 20070423160000ES,,,,,,,, , No Error.↵
Y,,8236,,, ,, , , ,,,, ,,7880,10, 20000423080000ES, 20000423160000ES, No error.↵
Y,,8236,,, ,, , , ,,,, ,,7019,10, 20000423080000ES, 20000423160000ES, No error.↵

c. Submission of Reassignment Information - Case 2:

If the resale transaction from the previous example were conducted off-OASIS, the SELLER, “EFG”, would use the ***transassign*** template to post the transaction to OASIS.
Primary Provider, AEP, is notified of a sale/assignment of transmission service rights from "Resell" to "cust". The parameters of the new reservation are for 10MW on 4/23 for "off-peak" hours (00:00- 06:00 and 22:00-24:00) on POR/POD CE-VP. Reseller is assigning rights to 10MW from a prior reservation for the CE-VP path for Daily Firm in amount of 50 MW on 4/23 under ASSIGNMENT_REF=7019 to Cust. AEP would submit the following information using the *transassign* Template to post this (re)sale. The only fields allowed in "continuation" records for the *transassign* Template are CAPACITY, START_TIME , STOP_TIME, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME. Even though there is a one-to-one correspondence between the segments of the new reservations and the reassignment of service from a prior reservation, it is entirely possible that a reservation spanning a single contiguous period would require multiple continuation records to convey reassignment information, and vice versa.

Fields for CUSTOMER_NAME and SELLER_NAME were used to convey user names for subsequent resolution of contact information from user registration.

Input:
VERSION=1.54↵
TEMPLATE=transassign↵
OUTPUT_FORMAT=DATA↵
PRIMARY_PROVIDER_CODE=AAAAEP↵
PRIMARY_PROVIDER_DUNS=123456789↵
RETURN_TZ=ES↵
DATA_ROWS=32↵
COLUMN_HEADERS=CONTINUATION_FLAG, CUSTOMER_CODE, CUSTOMER_DUNS, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, SOURCE, SINK, CAPACITY_REQUESTED, CAPACITY_GRANTED, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS, START_TIME, STOP_TIME, OFFER_PRICE, ANC_SVC_LINK, POSTING_NAME, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME , REASSIGNED_STOP_TIME , SELLER_COMMENTS, SELLER_REF, REQUEST_TYPE, RELATED_REF↵
N, MOP,562791881, X/AEF/CEF-ECS//, CEF, ECS,,,20,20, DAILY, FIRM, POINT_TO_POINT,FULL_PERIOD, FIXED,, 20070423040000ES, 20070423160000ES,2,, John Doe,23877019,20, 20070423040000ES, 20070423080000ES, Seller comments here, S78234, RESALE, ↵
Y,,,,,,,,,,,,,,,,,,,,23877880,10, 20070423080000ES, 20070423160000ES,, ,, ↵
Y,,,,,,,,,,,,,,,,,,,,23877019,10, 20070423080000ES, 20070423160000ES,, ,COLUMN_HEADERS=CONTINUATION_FLAG, CUSTOMER_CODE, CUSTOMER_DUNS, REQUEST_TYPE, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, SOURCE, SINK, CAPACITY_REQUESTED, CAPACITY_GRANTED, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS, BID_START_TIME, BID_STOP_TIME, BID_CAPACITY, BID_PRICE, OFFER_START_TIME, OFFER_STOP_TIME, OFFER_CAPACITY, OFFER_PRICE, ANC_SVC_LINKLNK, POSTING_NAME, RELATED_REF, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME , REASSIGNED_STOP_TIME , SELLER_COMMENTS, SELLER_REF↵
N, MOP,562791881, RESALE, X/AEF/CEF-ECS//, CEF, ECS,,,DAILY, FIRM, POINT_TO_POINT,FULL_PERIOD, FIXED,, 20070423040000ES, 20070423160000ES,20,2, 20070423040000ES, 20070423160000ES,20,2,, John Doe,,23877019,20, 20070423040000ES, 20070423080000ES, Seller comments here, S78234↵
Y,,,,,,,,,,,,,,,,,,,,23877880,10, 20070423080000ES, 20070423160000ES,, ↵
Y,,,,,,,,,,,,,,,,,,,,23877019,10, 20070423080000ES, 20070423160000ES,, ↵
N, ACSTMR,987654321, , CE, VP,,,10,10, HOURLY, NON-FIRM, POINT_TO_POINT, OFF_PEAK,FIXED,, 20000423000000ES, 20000423060000ES,2, SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, Jane Doe ,7019,10, 20000423000000ES, 20000423060000ES, Seller comments go here, S123↵

~~Y,,,,,,,,10,10,,,,,,, 20000423220000ES, 20000424000000ES,,,,7019,10, 20000423220000ES, 20000424000000ES,,~~

Response:

REQUEST_STATUS=200
ERROR_MESSAGE=Successfully updated.
TIME_STAMP=20070422160523ES~~20000422160523ES~~
VERSION=1.5~~4~~
TEMPLATE=transassign
OUTPUT_FORMAT=DATA
PRIMARY_PROVIDER_CODE=AAA~~AEP~~
PRIMARY_PROVIDER_DUNS=123456789
RETURN_TZ=ES
DATA_ROWS=3~~2~~
COLUMN_HEADERS=RECORD_STATUS, CONTINUATION_FLAG,ASSIGNMENT_REF, CUSTOMER_CODE, CUSTOMER_DUNS, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, SOURCE, SINK, CAPACITY_REQUESTED, CAPACITY_GRANTED, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS, START_TIME, STOP_TIME, OFFER_PRICE, ANC_SVC_LINK, POSTING_NAME, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME , REASSIGNED_STOP_TIME , SELLER_COMMENTS, SELLER_REF, REQUEST_TYPE, RELATED_REF,ERROR_MESSAGE
200,N,3377280, MOP,562791881, X/AEF/CEF-ECS//, CEF, ECS,,,20,20, DAILY, FIRM, POINT_TO_POINT,FULL_PERIOD, FIXED,, 20070423040000ES, 20070423160000ES,2,, John Doe,23877019,20, 20070423040000ES, 20070423080000ES, Seller comments here, S78234, RESALE,,No Error.
200,Y,3377280,,,,,,,,,,,,,,,,,,,,,23877880,10, 20070423080000ES, 20070423160000ES,, ,,,No Error.
200,Y,3377280,,,,,,,,,,,,,,,,,,,,,23877019,10, 20070423080000ES, 20070423160000ES,, ,,,No Error~~COLUMN_HEADERS=RECORD_STATUS, CONTINUATION_FLAG,ASSIGNMENT_REF, CUSTOMER_CODE, CUSTOMER_DUNS, REQUEST_TYPE, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, SOURCE, SINK, CAPACITY_REQUESTED, CAPACITY_GRANTED, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS, BID_START_TIME, BID_STOP_TIME, BID_CAPACITY, BID_PRICE, OFFER_START_TIME, OFFER_STOP_TIME, OFFER_CAPACITY, OFFER_PRICE, ANC_SVC_LINKLNK, POSTING_NAME, RELATED_REF, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME , REASSIGNED_STOP_TIME , SELLER_COMMENTS, SELLER_REF5, ERROR_MESSAGE.~~
~~200,N, MOP,562791881, RESALE, X/AEF/CEF-ECS//, CEF, ECS,,,DAILY, FIRM, POINT_TO_POINT,FULL_PERIOD, FIXED,, 20070423040000ES, 20070423160000ES,20,2, 20070423040000ES, 20070423160000ES,20,2,, John Doe,,23877019,20, 20070423040000ES, 20070423080000ES, Seller comments here, S78234, No Error.~~

200,Y,,,,,,,,,,,,,,,,,,,,,,,,,,,23877880,10, 20070423080000ES, 20070423160000ES,, , No Error.↵
200,Y,,,,,,,,,,,,,,,,,,,,,,,,,,,23877019,10, 20070423080000ES, 20070423160000ES,, , No Error.↵

200,N,8207, ACSTMR,987654321, , CE, VP,,,10,10, HOURLY, NON-FIRM, POINT_TO_POINT, OFF_PEAK,FIXED,, 20000423000000ES, 20000423060000ES,2, SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, Jane Doe ,7019,10, 20000423000000ES, 20000423060000ES, Seller comments go here, S1235, No error.↵
200,Y,8207,,,,,,,,10,10,,,,,,, 20000423220000ES, 20000424000000ES,,,,7019,10, 20000423220000ES, 20000424000000ES,,5, No error.↵

d. Query of Transmission Reservation Status:

The following is a hypotheticaltypical response to a *transstatus* query that might be delivered for reservations starting4/23 based on April 23prior examples. Note that the only fields returned in "continuation" records are, ASSIGNMENT_REF, CAPACITY_REQUESTED, CAPACITY_GRANTED, START_TIME, STOP_TIME, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME (price fields are debatable).

Input:

<appropriate query name/value pairs to return reservations for 4/23>

Response:

REQUEST_STATUS=200.↵
ERROR_MESSAGE=No error. ↵
TIME_STAMP=20000423160523ES.↵
VERSION=1.54.↵
TEMPLATE=transstatus.↵
OUTPUT_FORMAT=DATA.↵
PRIMARY_PROVIDER_CODE=AAAAEP.↵
PRIMARY_PROVIDER_DUNS=123456789.↵
RETURN_TZ=ES.↵
DATA_ROWS=1011.↵
COLUMN_HEADERS=CONTINUATION_FLAG, ASSIGNMENT_REF, SELLER_CODE, SELLER_DUNS, CUSTOMER_CODE, CUSTOMER_DUNS, AFFILIATE_FLAG, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, SOURCE, SINK,CAPACITY_REQUESTED,CAPACITY_GRANTED, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD,TS_WINDOW, TS_SUBCLASS, NERC_CURTAILMENT_PRIORITY, OTHER_CURTAILMENT_PRIORITY, START_TIME, STOP_TIME, CEILING_PRICE, OFFER_PRICE, BID_PRICE, PRICE_UNITS, PRECONFIRMED, ANC_SVC_LINK, ANC_SVC_REQ, POSTING_REF, SALE_REF, REQUEST_REF, DEAL_REF, IMPACTED, COMPETING_REQUEST_FLAG,

REQUEST_TYPE, RELATED_REF, NEGOTIATED_PRICE_FLAG,
STATUS, STATUS_NOTIFICATION, STATUS_COMMENTS,
TIME_QUEUED, RESPONSE_TIME_LIMIT, TIME_OF_LAST_UPDATE,
PRIMARY_PROVIDER_COMMENTS, SELLER_REF,
SELLER_COMMENTS, CUSTOMER_COMMENTS, SELLER_NAME,
SELLER_PHONE, SELLER_FAX, SELLER_EMAIL, CUSTOMER_NAME,
CUSTOMER_PHONE, CUSTOMER_FAX, CUSTOMER_EMAIL,
REASSIGNED_REF, REASSIGNED_CAPACITY,
REASSIGNED_START_TIME , REASSIGNED_STOP_TIME,
PRIMARY_PROVIDER_APPROVAL,
PRIMARY_PROVIDER_CONDITIONS, REASSESSMENT_DUE_TIME,
RENEWAL_DUE_TIME, ROLLOVER_START_TIME,
ROLLOVER_STOP_TIME, ROLLOVER_CAPACITY↵
N,8207, RSELLR,234567890, ACSTMR,987654321, N, , CE, VP, ,,10,10,
HOURLY, FIRM, POINT_TO_POINT, OFF_PEAK, FIXED,,7,,
20070423000000ES, 20070423060000ES,,2,2, $/MW-Hour, NO,
SC:(AEP:AR:121);RV:(AEP:AR:122);RF:(FT);EI:(FT);SP:(FT);SU:(FT);,
SC:M;RV:M;RF:U;EI:U;SP:U;SU:U;, , S1235, , ,0,, RESALE,, L,
CONFIRMED,, , 20070422121354ES,, 20070422123054ES, TP
Comments,, Seller comments go here, Customer comments, Joe Smith,
(777)-312-7456, (777)-312-7450, jsmith@xyz.com, John Dealer, (534)-223-
4567,,,7019,10, 20070423000000ES, 20070423060000ES,,,,,, ↵
Y,8207,,,,,,,,,,10,10,,,,,,,,, 20070423220070ES,
20070424000000ES,,2,2,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,7019,10, 20070423220070ES,
20070424000000ES,,,,,,, ↵
N,8234, AAA,123456789, CUSTMR,345678912, N, , CE, MECS, ,,35,35,
DAILY, FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,,7,,
20070423000000ES, 20070424000000ES,42,24.5,24.5, $/MW-Day, NO,
SC:(AEP:AR:123);RV:(AEP:AR:124);RF:(FT);EI:(FT);SP:(FT);SU:(FT);,
SC:M;RV:M;RF:U;EI:U;SP:U;SU:U;, P0123 , S123, R765, D123,0,,
ORIGINAL,, L, CONFIRMED, pub/AAA/incoming,, 20070422131354ES,
20070422173354ES, 20070422133354ES, Standard daily reservation,,
System Operator, Customer comments, Frank Orth, (999)-123-4567, (888)-
123-1231, jsmith@xyz.com, Jane Doe, (999)-123-4567, (999)-123-
8823,,,,,,,,,,, ↵
N,8235, AAA,123456789, CUSTMR,345678912, N, , CE, AMPO, ,,5,5,
HOURLY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,,2,,
20070423060000ES, 20070423070000ES,2.5,2,2, $/MW-Hour, NO,
SC:(AEP:AR:125);RV:(AEP:AR:126);RF:(FT);EI:(FT);SP:(FT);SU:(FT);,
SC:M;RV:M;RF:U;EI:U;SP:U;SU:U;, P0123 , S123, R765, D123,0,,
ORIGINAL,,, CONFIRMED, pub/AAA/incoming,, 20070422160523ES,
20070422171203ES, 20070422170523ES, Profile verified,, First piece,
Customer comments, System Operator, (888)-123-4567, (888)-123-1231,
jsmith@xyz.com, Jane Doe, (999)-123-4567, (999)-123-8823,,,,,,,,,,, ↵
Y,8235,,,,,,,,,,10,10,,,,,,,,, 20070423070000ES,
20070423080000ES,,2.5,2.5,,,,,,,,,,,,,,,,,,,

N,8242, AAA,123456789, CUSTMR,345678912, N, , CE, VP,
,,20,20,WEEKLY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD,
FIXED,,4,, 20070423000000ES, 20070430000000ES,123,123,123,$/MW-
Week, NO,
SC:(AEP:AR:127);RV:(AEP:AR:128);RF:(FT);EI:(FT);SP:(FT);SU:(FT);,
SC:M;RV:M;RF:U;EI:U;SP:U;SU:U;, P0123 , S123, R765, D123,0,,
ORIGINAL,,, CONFIRMED, pub/AAA/incoming,, 20070422160723ES,
20070422223024ES, 20070422171523ES, Bid price refused,, Negotiated
OFFER_PRICE accepted,, Joe Smith, (888)-123-4567, (888)-123-1231,
jsmith@xyz.com, Jane Doe, (999)-123-4567, (999)-123-8823,,,,,,,,,,, ↵
Y,8242,,,,,,,,,18,18,,,,,,,, 20070430000000ES,
20070507000000ES,,123,123,,,,,,,,,,

Y,8207,,,

~~ORIGINAL,,, CONFIRMED, pub/AAAAEP/incoming,, 20070422160723ES, 20070422223024ES, 20070422171523ES,20000422160723ES, 20000422171523ES, Bid price refused,, Negotiated OFFER_PRICE accepted,, Joe Smith, (888)-123-4567, (888)-123-1231, jsmith@xyz.com, Jane Doe, (999)-123-4567, (999)-123-8823,,,,,,,,,7019,20, 20000423040000ES, 20000423080000ES.↵~~
~~Y,8242,,,,,,,,,,,,,,,,,,,,,, 20070430000000ES, 20070507000000ES,18,123, 20070430000000ES, 20070507000000ES,18,123,,,,,,,,,,,,,,,,,,,

entries in the request), DECLINED (due to the Seller determining that the proposed price is not acceptable and further negotiations are not desired), or REFUSED (due to the unavailability of the requested service) are set, the transmission reservation request is terminated.

c. The Seller has the option of entering a CAPACITY_GRANTED and setting the STATUS to COUNTEROFFER via the *transell* Template if the seller can only provide partial service.

d. If the Seller set the STATUS to RECEIVED or STUDY, and determines that the BID_PRICE is too low, the Seller sets the OFFER_PRICE to the price desired, and sets the STATUS to COUNTEROFFER via the *transsell* Template.

e. The Customer agrees to the OFFER_PRICE, sets the BID_PRICE equal to the OFFER_PRICE, and sets the STATUS to CONFIRMED via the *transcust* Template.

f. The OFFER_PRICE and CAPACITY_GRANTED with the STATUS of CONFIRMED locks in the terms of the reservation.

013-4.1.6.3 Multiple Step Negotiations

a. The Customer submits a transmission reservation request with the BID_PRICE less than the CEILING_PRICE via the *transrequest* Template. Initially the STATUS is set to QUEUED by the OASIS Node.

b. The Seller has the option of setting the STATUS via the *transsell* Template to one of the following: INVALID, RECEIVED, STUDY, ACCEPTED, DECLINED, COUNTEROFFER, or REFUSED. If INVALID, DECLINED, or REFUSED are set, the transmission reservation request is terminated.

c. The seller has the option of entering a CAPACITY_GRANTED and setting the STATUS to COUNTEROFFER via the *transell* Template if the seller can only provide partial service. If ATC changes before the request reaches the STATUS of CONFIRMED, seller may change the CAPACITY_GRANTED.

d. The Seller determines that the BID_PRICE is too low, sets the OFFER_PRICE to the desired value, and sets the STATUS to COUNTEROFFER via the *transsell* Template.

e. The Customer responds to the new OFFER_PRICE with an updated BID_PRICE and sets the STATUS to REBID for re-evaluation by the Seller.

f. The Seller determines that the BID_PRICE now is acceptable, and sets the STATUS to ACCEPTED via the *transsell* Template. The transition to ACCEPTED state requires the OFFER_PRICE to be set to the BID_PRICE: accepting a reservation with an OFFER_PRICE different from BID_PRICE would require the STATUS be set to COUNTEROFFER rather than ACCEPTED (see item c).

g. The Customer agrees to the OFFER_PRICE and sets the STATUS to CONFIRM via the *transcust* Template.

h. The OFFER_PRICE and CAPACITY_GRANTED with the STATUS as CONFIRMED locks in the terms of the reservation.

013-4.1.6.4 Negotiations Declined by Seller

a. The Customer submits a transmission reservation request with the BID_PRICE less than the CEILING_PRICE via the *transrequest* Template. Initially the STATUS is set to QUEUED by the OASIS Node.

b. The Seller has the option of setting the STATUS via the *transsell* Template to one of the following: INVALID, RECEIVED, STUDY, ACCEPTED, DECLINED, COUNTEROFFER, or REFUSED. If INVALID, DECLINED, or REFUSED are set, the transmission reservation request is terminated.

c. The Seller determines that the BID_PRICE is too low, sets OFFER_PRICE to his desired value, and sets STATUS to COUNTEROFFER via the *transsell* Template.

d. The Customer responds to OFFER_PRICE with updated BID_PRICE and sets the STATUS to REBID via the *transcust* Template for re-evaluation by Seller.

e. The Seller breaks off all further negotiations by setting the STATUS to DECLINED, indicating that the price is unacceptable and that he does not wish to continue negotiations.

013-4.1.6.5 Negotiations Withdrawn by Customer

a. The Customer submits a transmission reservation request with the BID_PRICE less than the CEILING_PRICE via the *transrequest*. Initially the STATUS is set to QUEUED by the OASIS Node.

b. The Seller has the option of setting the STATUS via the *transsell* Template to one of the following: INVALID, RECEIVED, STUDY, ACCEPTED, DECLINED, COUNTEROFFER, or REFUSED. If INVALID, DECLINED, or REFUSED are set, the transmission reservation request is terminated.

c. The Seller has the option of entering a CAPACITY_GRANTED and setting the STATUS to COUNTEROFFER via the *transell* Template if the seller can only provide partial service.

d. The Seller determines that the BID_PRICE is too low, sets the OFFER_PRICE to his desired value, and sets the STATUS to COUNTEROFFER via the *transsell* Template.

e. The Customer responds to the OFFER_PRICE with an updated BID_PRICE and sets the STATUS to REBID for re-evaluation by Seller.

f. The Seller determines that the BID_PRICE is still too low, sets the OFFER_PRICE to another value, and sets STATUS to COUNTEROFFER via the *transsell* Template.

g. The Customer breaks off all further negotiations, either because the OFFER_PRICE or CAPACITY_GRANTED are unacceptable, by setting STATUS to WITHDRAWN (or the Customer/Seller could go through additional iterations of REBID/COUNTEROFFER until negotiations are broken off or the reservation is CONFIRMED).

013-4.1.6.6 Negotiations Superseded by Higher Priority Reservation

a. The Customer submits a transmission reservation request with the BID_PRICE less than the CEILING_PRICE via the *transrequest* Template. Initially the STATUS is set to QUEUED by the OASIS Node.

b. The Seller has the option of setting the STATUS via the *transsell* Template to one of the following: INVALID, RECEIVED, STUDY, ACCEPTED, DECLINED, COUNTEROFFER, or REFUSED. If INVALID, DECLINED, or REFUSED are set, the transmission reservation request is terminated.

c. If the Seller determines that another reservation has higher priority and must displace this request, he sets the STATUS to SUPERSEDED and the negotiations are terminated.

d. However, if desired and permitted by the tariff, the Seller may set the STATUS of a request in any of these previous states (including COUNTEROFFER and ACCEPTED) to COUNTEROFFER with an OFFER_PRICE which could avoid the request being superseded, thus allowing the Customer the choice of being SUPERSEDED or accepting the proposed OFFER_PRICE.

013-4.1.7 Audit Template examples

The following examples are included to show the general type of audit report responses that could be expected to be returned by implementations of the audit reporting Templates as documented above.

013-4.1.7.1 Offerings

The following is an example of a hypothetical audit query for daily non-firm offerings to the "DDD" point of delivery for Monday August 17, 20071998 (line breaks and indentations added to improve readability):

Response:

REQUEST_STATUS=200 ↵
ERROR_MESSAGE= ↵
TIME_STAMP=20070821091601ES19980821091601ES ↵
VERSION=1.54 ↵
TEMPLATE=transofferingaudit ↵
OUTPUT_FORMAT=DATA ↵
PRIMARY_PROVIDER_CODE=WXYZ ↵
PRIMARY_PROVIDER_DUNS=78912345 ↵
RETURN_TZ=ES ↵
DATA_ROWS=14 ↵

COLUMN_HEADERS=RECORD_TYPE, TIME_OF_LAST_UPDATE,
MODIFYING_COMPANY_CODE, MODIFYING_NAME,
TIME_OF_LAST_UPDATE, SELLER_CODE, SELLER_DUNS,
PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DEL IVERY,
INTERFACE_TYPE, OFFER_START_TIME, OFFER_STOP_TIME,
START_TIME, STOP_TIME, CAPACITY, SERVICE_INCREMENT,
TS_CLASS, TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS,
ANC_SVC_REQ, SALE_REF, POSTING_REF, CEILING_PRICE,
OFFER_PRICE, PRICE_UNITS, SERVICE_DESCRIPTION,
NERC_CURTAILMENT_PRIORITY, OTHER_CURTAILMENT_PRIORITY,
SELLER_NAME, SELLER_PHONE, SELLER_FAX, SELLER_EMAIL,
SELLER_COMMENTS , OFFER_INCREMENT ↵
U, 20070815131756ES, WXYZ, Jane Doe, 20070815131756ES,
WXYZ,78912345, X/WXYZ/AAA-DDD//, AAA, DDD, E,
20070814000000ES, 20070817000000ES, 20070817000000ES,
20070818000000ES,800, DAILY, NON-FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED,, SC:M;RF:M,,48732,102,85, $/MW-Day,,3,, Jane
Doe, 123-456-7813, 123-456-7801, doej@wxyz.com , , DAILY ↵
U, 20070815124022ES, WXYZ, Jane Doe, 20070815124022ES,
WXYZ,78912345, X/WXYZ/AAA-DDD//, AAA, DDD, E,
20070814000000ES, 20070817000000ES, 20070817000000ES,
20070818000000ES,850, DAILY, NON-FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED,, SC:M;RF:M,,48732,102,85, $/MW-Day,,3,, Jane
Doe, 123-456-7813, 123-456-7801, doej@wxyz.com, , DAILY ↵
U, 20070814120018ES, WXYZ, Joe Smith, 20070814120018ES,
WXYZ,78912345, X/WXYZ/AAA-DDD//, AAA, DDD, E,
20070814000000ES, 20070817000000ES, 20070817000000ES,
20070818000000ES,850, DAILY, NON-FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED,, SC:M;RF:M,,48732,102,90, $/MW-Day,,3,, Joe
Smith, 123-456-7893, 123-456-7801, smithj@wxyz.com , , DAILY ↵
I, 20070813171204ES, WXYZ, Supervisor, 20070813171204ES,
WXYZ,78912345, X/WXYZ/AAA-DDD//, AAA, DDD, E,
20070814000000ES, 20070817000000ES, 20070817000000ES,
20070818000000ES,850, DAILY, NON-FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED,, SC:M;RF:M,,48732,102,95, $/MW-Day,,3,,
Supervisor, 123-456-7890, 123-456-7801,, , DAILY ↵
U, 20070815124022ES, WXYZ, Jane Doe, 20070815124022ES,
WXYZ,78912345, X/WXYZ/BBB-DDD//, BBB, DDD, E,
20070814000000ES, 20070817000000ES, 20070817000000ES,
20070818000000ES,1200, DAILY, NON-FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED,, SC:M;RF:M,,48783,102,85, $/MW-Day,,3,, Jane
Doe, 123-456-7813, 123-456-7801, doej@wxyz.com , , DAILY ↵
U, 20070814120022ES, WXYZ, Joe Smith, 20070814120022ES,
WXYZ,78912345, X/WXYZ/BBB-DDD//, BBB, DDD, E,
20070814000000ES, 20070817000000ES, 20070817000000ES,
20070818000000ES,1200, DAILY, NON-FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED,, SC:M;RF:M,,48783,102,90, $/MW-Day,,3,, Joe
Smith, 123-456-7893, 123-456-7801, smithj@wxyz.com , , DAILY ↵
I, 20070813171210ES, WXYZ, Supervisor, 20070813171210ES,
WXYZ,78912345, X/WXYZ/BBB-DDD//, BBB, DDD, E,
20070814000000ES, 20070817000000ES, 20070817000000ES,
20070818000000ES,1200, DAILY, NON-FIRM, POINT_TO_POINT,

FULL_PERIOD, FIXED,, SC:M;RF:M,,48783,102,95, $/MW-Day,,3,,
Supervisor, 123-456-7890, 123-456-7801,, , DAILY ↵
U, 20070816101000ES, WXYZ, Supervisor, 20070816101000ES,
WXYZ,78912345, X/WXYZ/CCC-DDD//, CCC, DDD, E,
20070814000000ES, 20070817000000ES, 20070817000000ES,
20070818000000ES,85, DAILY, NON-FIRM, POINT_TO_PO INT,
FULL_PERIOD, FIXED,, SC:M;RF:M,,48820,102,102, $/MW-Day,,3,,
Supervisor, 123-456-7810, 123-456-7801,, , DAILY ↵
U, 20070814143807ES, WXYZ, Supervisor, 20070814143807ES,
WXYZ,78912345, X/WXYZ/CCC-DDD//, CCC, DDD, E,
20070814000000ES, 20070817000000ES, 20070817000000ES,
20070818000000ES,90, DAILY, NON-FIRM, POINT_TO_PO INT,
FULL_PERIOD, FIXED,, SC:M;RF:M,,48820,102,102, $/MW-Day,,3,,
Supervisor, 123-456-7890, 123-456-7801,, , DAILY ↵
U, 20070814120023ES, WXYZ, Joe Smith, 20070814120023ES,
WXYZ,78912345, X/WXYZ/CCC-DDD//, CCC, DDD, E,
20070814000000ES, 20070817000000ES, 20070817000000ES,
20070818000000ES,110, DAILY, NON-FIRM, POINT_TO_P OINT,
FULL_PERIOD, FIXED,, SC:M;RF:M,,48820,102,90, $/MW-Day,,3,, Joe
Smith, 123-456-7893, 123-456-7801, smithj@wxyz.com , , DAILY ↵
I, 20070813171214ES, WXYZ, Supervisor, 20070813171214ES,
WXYZ,78912345, X/WXYZ/CCC-DDD//, CCC, DDD, E,
20070814000000ES, 20070817000000ES, 20070817000000ES,
20070818000000ES,110, DAILY, NON-FIRM, POINT_TO_P OINT,
FULL_PERIOD, FIXED,, SC:M;RF:M,,48820,102,95, $/MW-Day,,3,,
Supervisor, 123-456-7890, 123-456-7801,, , DAILY ↵
U, 20070815124023ES, WXYZ, Jane Doe, 20070815124023ES,
WXYZ,78912345, X/WXYZ/WXYZ-DDD//, WXYZ, DDD, E,
20070814000000ES, 20070817000000ES, 20070817000000ES,
20070818000000ES,340, DAILY, NON-FIRM, POINT_T O_POINT,
FULL_PERIOD, FIXED,, SC:M;RF:M,,48855,102,85, $/MW-Day,,3,, Jane
Doe, 123-456-7813, 123-456-7801, doej@wxyz.com , , DAILY ↵
U, 20070814120023ES, WXYZ, Joe Smith, 20070814120023ES,
WXYZ,78912345, X/WXYZ/WXYZ-DDD//, WXYZ, DDD, E,
20070814000000ES, 20070817000000ES, 20070817000000ES,
20070818000000ES,340, DAILY, NON-FIRM, POINT_T O_POINT,
FULL_PERIOD, FIXED,, SC:M;RF:M,,48855,102,90, $/MW-Day,,3,, Joe
Smith, 123-456-7893, 123-456-7801, smithj@wxyz.com , , DAILY ↵
I, 20070813171222ES, WXYZ, Supervisor, 20070813171222ES,
WXYZ,78912345, X/WXYZ/WXYZ-DDD//, WXYZ, DDD, E,
20070814000000ES, 20070817000000ES, 20070817000000ES,
20070818000000ES,340, DAILY, NON-FIRM, POINT_T O_POINT,
FULL_PERIOD, FIXED,, SC:M;RF:M,,48855,102,95, $/MW-Day,,3,,
Supervisor, 123-456-7890, 123-456-7801,, ,
DAILY~~COLUMN_HEADERS=RECORD_TYPE,_TIME_OF_LAST_UPDATE,~~
~~MODIFYING_COMPANY_CODE,_MODIFYIN~~MODIFYIN ~~G_NAME,~~
~~TIME_OF_LAST_UPDATE,_SELLER_CODE,_SELLER_DUNS,~~
~~PATH_NAME,_POINT_OF_RECEIPT,_POINT_OF_DEL IVERY,~~
~~INTERFACE_TYPE,_OFFER_INCREMENT,_OFFER_START_TIME,~~
~~OFFER_STOP_TIME,_START_TIME,_STOP_TIME,_CAPACITY,~~
~~SERVICE~~SERVIC ~~E_INCREMENT,_TS_CLASS,_TS_TYPE,_TS_PERIOD,~~
~~TS_WINDOW,_TS_SUBCLASS,_ANC_SVC_REQ,_SALE_REF,~~
~~POSTING_REF,_CEI~~CEI ~~LING_PRICE,_OFFER_PRICE,_PRICE_UNITS,~~

SERVICE_DESCRIPTION,_NERC_CURTAILMENT_PRIORITY,
OTHER_CURTAIL MENT_PRIORITY, SELLER_NAME,_SELLER_PHONE,
SELLER_FAX,_SELLER_EMAIL,_SELLER_COMMENTS ↵
U,_20070815131756ES,_19980815131756ES,WXYZ,_Jane Doe,
20070815131756ES19980815131756ES, WXYZ,78912345,_X/WXYZ/AAA-
DDD//,_AAA,_DDD,_E, DAILY, 20070814000000ES, 20070817000000ES,
20070817000000ES, 20070818000000ESE,19
980814000000ES,19980817000000ES,19980817000000ES,19980818000
000ES,800, DAILY,_NON-FIRM,_POINT_TO_POINT,_FULL_PERIOD,
FIXED,,_SC:M;RF:M,,48732,102.00,85,_.00,$/MW-Day,,3,, Jane Doe,_123-
456-7813,_123-456-7801, doej@wxyz.com ,_↵
U,_20070815124022ES,_19980815124022ES,WXYZ, Jane Doe,
20070815124022ES19980815124022ES, WXYZ,78912345,_X/WXYZ/AAA-
DDD//,_AAA,_DDD,_E, DAILY, 20070814000000ES, 20070817000000ES,
20070817000000ES, 20070818000000ES,850, DAILY,_E, 1
9980814000000ES,19980817000000ES,19980817000000ES,1998081800
0000ES,850, DAILY,NON-FIRM,_POINT_TO_ POINT,_FULL_PERIOD,
FIXED,,_SC:M;RF:M,, 48732,102.00,85,_.00,$/MW-Day,,3,, Jane Doe,_123-
456-7813,_123-456-7801,_780 1,doej@wxyz.com, ↵
U,_20070814120018ES,_19980814120018ES,WXYZ, Joe Smith,
20070814120018ES,_19980814120018ES,WXYZ,78912345,
X/WXYZ/AAA-DDD//,_AAA,_DDD,_E, DAILY, 20070814000000ES,
20070817000000ES, 20070817000000ES, 20070818000000ESE,1
9980814000000ES,19980817000000ES,19980817000000ES,1998081800
0000ES,850, DAILY,_NON-FIRM,_POINT_TO_ POINT,_FULL_PERIOD,
FIXED,,_SC:M;RF:M,,48732,102.00,90,_.00,$/MW-Day,,3,,_Joe Smith,_123-
456-7893,_123-456-7801,_ ,smithj@wxyz.com ,_↵
I,_20070813171204ES,_19980813171204ES,WXYZ, Supervisor,
20070813171204ES19980813171204ES, WXYZ,78912345,_X/WXYZ/AAA-
DDD//,_AAA,_DDD,_E, DAILY, 20070814000000ES, 20070817000000ES,
20070817000000ES, 20070818000000ES,850, DAILY,_E,
19980814000000ES,19980817000000ES,19980817000000ES,199808180
00000ES,850, DAILY,NON-FIRM,_POINT_TO_POINT,_FULL_PERIOD,
FIXED,,_SC:M;RF:M,,48732,102.00,95,_.00,$/MW-Day,,3,, Supervisor,_123-
456-7890,_123-456-7801,,78 01 ↵
U,_20070815124022ES,_19980815124022ES,WXYZ, Jane Doe,
20070815124022ES19980815124022ES, WXYZ,78912345,_X/WXYZ/BBB-
DDD//,_BBB,_DDD,_E, DAILY, 20070814000000ES, 20070817000000ES,
20070817000000ES, 20070818000000ESE,19
980814000000ES,19980817000000ES,19980817000000ES,19980818000
000ES,1200, DAILY,_NON-FIRM,_POINT_TO_ POINT,_FULL_PERIOD,
FIXED,,_SC:M;RF:M,,48783,102.00,85,_.00,$/MW-Day,,3,,_Jane Doe,_123-
456-7813,_123-456-7801, doej@wxyz.com ,_↵
U,_20070814120022ES,_19980814120022ES,WXYZ,_Joe Smith,
20070814120022ES,_19980814120022ES,WXYZ,78912345,
X/WXYZ/BBB-DDD//,_BBB,_DDD,_E, DAILY, 20070814000000ES,
20070817000000ES, 20070817000000ES, 20070818000000ESE,19
980814000000ES,19980817000000ES,19980817000000ES,19980818000
000ES,1200,_DAILY,_NON-FIRM,_POINT_TO_ POINT,_FULL_PERIOD,
FIXED,,_SC:M;RF:M,,48783,102.00,90,_.00,$/MW-Day,,3,,_Joe Smith,_123-
456-7893,_123-456-7801,_ ,smithj@wxyz.com ,_↵
I,_20070813171210ES,_19980813171210ES,WXYZ,_Supervisor,
20070813171210ES,_19980813171210ES,WXYZ,78912345,

X/WXYZ/BBB-DDD//,BBB,,DDD,,E, DAILY, 20070814000000ES, 20070817000000ES, 20070817000000ES, 20070818000000ESE,19980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,1200,,DAILY,,NON-FIRM,,POINT_TO_ POINT,,FULL_PERIOD, FIXED,,,SC:M;RF:M,,48783,102.00,95,,.00,$/MW-Day,,3,,,Supervisor,,123-456-7890,,123-456-7801,780 1,↵
U,,20070816101000ES,, 19980816101000ES,WXYZ,,Supervisor, 20070816101000ES,, 19980816101000ES,WXYZ,78912345, X/WXYZ/CCC-DDD//,,CCC,,DDD,,E, DAILY, 20070814000000ES, 20070817000000ES, 20070817000000ES, 20070818000000ESE,19980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,85,,DAILY,,NON-FIRM,,POINT_TO_PO INT,,FULL_PERIOD, FIXED,,,SC:M;RF:M,,48820,102.00,102,,.00,$/MW-Day,,3,,,Supervisor, 123-456-7810,,123-456-7801,,,↵
U,,20070814143807ES,,, 5U,19980814143807ES,WXYZ,,Supervisor, 20070814143807ES,, 19980814143807ES,WXYZ,78912345, X/WXYZ/CCC-DDD//,,CCC,,DDD,,E, DAILY, 20070814000000ES, 20070817000000ES, 20070817000000ES, 20070818000000ESE,19980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,90,,DAILY,,NON-FIRM,,POINT_TO_PO INT,,FULL_PERIOD, FIXED,,,SC:M;RF:M,,48820,102.00,102,,.00,$/MW-Day,,3,,,Supervisor, 123-456-7890,,123-456-7801,,,↵
U,,20070814120023ES,,123-456-7801, 5U,19980814120023ES,WXYZ, Joe Smith,,20070814120023ES,, 19980814120023ES,WXYZ,78912345, X/WXYZ/CCC-DDD//,,CCC,,DDD,,E, DAILY, 20070814000000ES, 20070817000000ES, 20070817000000ES, 20070818000000ESE,19980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,110,,DAILY,,NON-FIRM,,POINT_TO_P OINT,,FULL_PERIOD, FIXED,,,SC:M;RF:M,,48820,102.00,90,,.00,$/MW-Day,,3,,,Joe Smith,,123-456-7893,,123-456-7801,,ss mithj@wxyz.com ,,↵
I,,20070813171214ES,, 19980813171214ES,WXYZ,,Supervisor, 20070813171214ES,, 19980813171214ES,WXYZ,78912345, X/WXYZ/CCC-DDD//,,CCC,,DDD,,E, DAILY, 20070814000000ES, 20070817000000ES, 20070817000000ES, 20070818000000ESE,19980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,110,,DAILY,,NON-FIRM,,POINT_TO_P OINT,,FULL_PERIOD, FIXED,,,SC:M;RF:M,,48820,102.00,95,,.00,$/MW-Day,,3,,,Supervisor,,123-456-7890,,123-456-7801,,,↵
U,,20070815124023ES,, U,19980815124023ES,WXYZ,,Jane Doe, 20070815124023ES,, 19980815124023ES,WXYZ,78912345, X/WXYZ/WXYZ-DDD//,,WXYZ,,DDD,,E, DAILY, 20070814000000ES, 20070817000000ES, 20070817000000ES, 20070818000000ESDDD, E,19980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,340,,DAILY,,NON-FIRM,,POINT_T O_POINT,,FULL_PERIOD, FIXED,,,SC:M;RF:M,,48855,102.00,85,,.00,$/MW-Day,,3,,,Jane Doe,,123-456-7813,,123-456-7801,,78 01,doej@wxyz.com ,,↵
U,,20070814120023ES,, U,19980814120023ES,WXYZ,,Joe Smith, 20070814120023ES,, 19980814120023ES,WXYZ,78912345, X/WXYZ/WXYZ-DDD//,,WXYZ,,DDD,,E, DAILY, 20070814000000ES, 20070817000000ES, 20070817000000ES, 20070818000000ESDDD, E,19980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,340,,DAILY,,NON-FIRM,,POINT_T O_POINT,,FULL_PERIOD,

FIXED,,SC:M;RF:M,,48855,102.00,90,.00,$/MW-Day,,3,,Joe Smith,123-456-7893,123-456-7801,7 801,smithj@wxyz.com ,↵
I,20070813171222ES,19980813171222ES,WXYZ,Supervisor,20070813171222ES,19980813171222ES,WXYZ,78912345,X/WXYZ/WXYZ-DDD//,WXYZ,DDD,E,DAILY,20070814000000ES,20070817000000ES,20070817000000ES,20070818000000ES19980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,340,DAILY,NON-FIRM,POINT_TO_POINT,FULL_PERIOD,FIXED,,SC:M;RF:M,,48855,102.00,95,.00,$/MW-Day,,3,,Supervisor,123-456-7890,123-456-7801,7 801,↵

From this audit report, the daily non-firm offerings on the four paths to "DDD" (AAA-DDD, BBB-DDD, CCC-DDD, and WXYZ-DDD) were all originally posted by WXYZ's "Supervisor" at approximately 17:12 on 8/13 at a price of $95.00 /MW-Day discounted from a ceiling price of $102.00.

At approximately 12:00 on 8/14, Joe Smith changed the offer price to $90.00 on all four paths.

At 14:14 on 8/14, "Supervisor" adjusted the capacity available on path X/WXYZ/CCC-DDD// to 90 MW (POSTING_REF = 48820) and set the offer price up to match the tariff ceiling rate (presumably due to the path now being constrained and released from the requirement to have discounted service offered at the same rate as all other unconstrained paths to DDD). Capacity on this path was last updated to a value of 85 MW at 10:10 on 8/16, which is the current information posted on OASIS for this path at the time of the query.

Jane Doe adjusted the price on the three presumably unconstrained paths to DDD at 12:40 on 8/15 to $85.00, which may have been in response to a negotiation for service on one of these paths. No further updates have occurred to the offerings on paths BBB-DDD and WXYZ-DDD since that time.

Finally, the capacity available on path X/WXYZ/AAA-DDD// was updated by Jane Doe from 850 to 800 MW at 13:17 on 8/15, which may have corresponded with final confirmation of a reservation at a negotiated discount by the customer that initiated the price change from $90.00 to $85.00.

013-4.1.7.2 Reservations

The following is an example of a hypothetical audit query for a specific transmission service reservation (line breaks and indentations added to improve readability):

Response:

REQUEST_STATUS=200↵
ERROR_MESSAGE=↵
TIME_STAMP=20070821092048ES19980821092048ES↵
VERSION=1.54↵
TEMPLATE=transstatusaudit↵
OUTPUT_FORMAT=DATA↵
PRIMARY_PROVIDER_CODE=WXYZ↵
PRIMARY_PROVIDER_DUNS=78912345↵

RETURN_TZ=ES↵
DATA_ROWS=159↵
COLUMN_HEADERS=RECORD_TYPE, TIME_OF_UPDATE,
MODIFYING_COMPANY_CODE, MODIFYING_NAME,
CONTINUATION_FLAG, ASSIGNMENT_REF, SELLER_CODE,
SELLER_DUNS, CUSTOMER_CODE, CUSTOMER_DUNS,
AFFILIATE_FLAG, PATH_NAME, POINT_OF_RECEIPT,
POINT_OF_DELIVERY, SOURCE, SINK, CAPACITY_REQUESTED,
CAPACITY_GRANTED, SERVICE_INCREMENT, TS_CLASS, TS_TYPE,
TS_PERIOD, TS_WINDOW, TS_SUBCLASS,
NERC_CURTAILMENT_PRIORITY, OTHER_CURTAILMENT_PRIORITY,
START_TIME, STOP_TIME, CEILING_PRICE, OFFER_PRICE,
BID_PRICE, PRICE_UNITS, PRECONFIRMED, ANC_SVC_LINK, ANC
_SVC_REQ, POSTING_REF, SALE_REF, REQUEST_REF, DEAL_REF,
IMPACTED, COMPETING_REQUEST_FLAG, REQUEST_TYPE,
RELATED_REF, NEGOTIATED_PRICE_FLAG, STATUS,
STATUS_NOTIFICATION, STATUS_COMMENTS, TIME_QUEUED,
RESPONSE_TIME_LIMIT, TIME_OF_LAST_UPDATE,
PRIMARY_PROVIDER_COMMENTS, SELLER_REF,
SELLER_COMMENTS, CUSTOMER_COMMENTS, SELLER_NAME,
SELLER_PHONE, SELLER_FAX, SELLER_EMAIL, CUSTOMER_NAME,
CUSTOMER_PHONE, CUSTOMER_FAX, CUSTOMER_EMAIL,
REASSIGNED_REF, REASSIGNED_CAPACITY,
REASSIGNED_START_TIME, REASSIGNED_STOP_TIME,
PRIMARY_PROVIDER_APPROVAL,PRIMARY_PROVIDER_CONDITION
S, REASSESSMENT_DUE_TIME, RENEWAL_DUE_TIME,
ROLLOVER_START_TIME, ROLLOVER_STOP_TIME,
ROLLOVER_CAPACITY↵
U, 20070815131629ES, DEFPM, Alan Trader, N,104392,
WXYZ,78912345, DEFPM,912876543, N, X/WXYZ/AAA-DDD//, AAA ,
DDD, AAA, ZZZ,50,50, DAILY, NON-FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED, ,3, , 20070817000000ES,
20070818000000ES,102,85,85, $/MW-Day, N, , SC:M;RF:M, , , , ,,,
ORIGINAL,, L, CONFIRMED, , , 20070815121510ES, 20070815144100ES,
20070815131629ES, ,, , , Jane Doe, 123-456-7813, 123-456-7801,
doej@wxyz.com, Alan Trader, 312-678-9104, 312-678-9100, a
.trader@defmarketing.com, , , , ,,,,,,, ↵
U,,,, Y,104392,,,,,,,,,,75,75,,,,,,,, 20070818000000ES,
20070819000000ES,,85,85,,,,,,,,,,

U, 20070815124811ES, DEFPM, Alan Trader, N,104392,
WXYZ,78912345, DEFPM,912876543, N, X/WXYZ/AAA-DDD//, AAA ,
DDD, AAA, ZZZ,50,50, DAILY, NON-FIRM, POINT_TO_POINT,
FULL_PERIOD, FIXED, ,3, , 20070817000000ES,
20070818000000ES,102,90,82, $/MW-Day, N, , SC:M;RF:M, , , , ,,,
ORIGINAL,, , REBID, , , 20070815121510ES, 20070815144100ES, 20070
815124811ES, ,, , , Jane Doe, 123-456-7813, 123-456-7801,
doej@wxyz.com, Alan Trader, 312-678-9104, 312-678-9100, a.trader
@defmarketing.com,,,,,,,,,, ↵
U,,,, Y,104392,,,,,,,,,,75,75,,,,,,,, 20070818000000ES,
20070819000000ES,,90,82,,,,,,,,,,

STATUS_NOTIFICATION,STATUS_COMMENTS,TIME_QUEUED,
RESPONSE_TIME_LIMIT, TIME_OF_LAST_UPDATE,
PRIMARY_PROVIDER_APPROVAL,
PRIMARY_PROVIDER_COMMENTS,SELLER_REF,
SELLER_COMMENTS, CUSTOMER_COMMENTS,SELLER_NAME,
SELLER_PHONE,SELLER_FAX,SELLER_EMAIL, CUSTOMER_NAME,
CUSTOMER_PHONE,CUSTOMER_FAX,CUSTOMER_EMAIL,
REASSIGNED_REF, REASSIGNED_CAPACITY,
REASSIGNED_START_TIME,REASSIGNED_STOP_TIME,
RENEWAL_DUE_TIME, ROLLOVER_START_TIME,
ROLLOVER_STOP_TIME, ROLLOVER_CAPACITY↵
U, 20070815131629ES, 19980815131629ES,DEFPM,Alan Trader,
N,104392,WXYZ,78912345,DEFPM,912876543,N,X/WXYZ/AAA-DDD//,
A AA,DDD,AAA, DDD, AAA, ,ZZZ,50,DAILY,NON-FIRM,
POINT_TO_POINT,FULL_PERIOD,FIXED,,3,
,,19980817000000ES,199808 18000000ES,102,.00,85.00,85.00,$/MW-
Day, 20070817000000ES, 20070818000000ES,50,85,
20070817000000ES, 20070818000000ES,50,85, N,,,,SC:M;RF:M,,,,,,,,,
L,,,,,,,CONFIRMED,,,, 20070815121510ES, 20070815144100ES,
20070815131629ES,,,,,,,,,,19980815121510ES,19980815144100ES,
19980815131629ES,,,,Jane Doe,123-456-7813,123-456-7801,
doej@wxyz.com,Alan Trader,312-678-9104,312-678-9100,a
.trader@defmarketing.com,,,,,,,, ↵
U,,,,Y,,,,,,,,,,,,,,,,,,,,,,,, 20070818000000ES, 20070819000000ES,75,85,
20070818000000ES,
20070819000000ES,75,85,,,,,,,,,,,,19980818000000ES,19980819000000E
S,,,,,,,,,,,,,,,,,,,

20070815121510ES, 20070815144100ES, 20070 815124811ES,,,,,,,,
Jane Doe, 123-456-7813, 123-456-7801, doej@wxyz.com, Alan Trader,
312-678-9104, 312-678-9100, a.trader @defmarketing.com,,,,,,,,↵
U,,,, Y,,,,,,,,,,,,,,,,,,,,,, 20070818000000ES, 20070819000000ES,75,82,
20070818000000ES, 20070819000000ES,75,90,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,↵
U,,,, Y,,,,,,,,,,,,,,,,,,,,,, 20070819000000ES, 20070820000000ES,100,82,
20070819000000ES, 20070820000000ES,100,90,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,↵
U, 20070815124100ES, WXYZ, Jane Doe, N,104392, WXYZ,78912345,
DEFPM,912876543, N, X/WXYZ/AAA-DDD//, AAA , DDD, AAA, ZZZ,
DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED, ,3, ,102,
$/MW-Day, 20070817000000ES, 20070818000000ES,50,80,
20070817000000ES, 20070818000000ES,50,90, N, , SC:M;RF:M, , , , ,,,, ,
COUNTEROFFER, , , 20070815121510ES, 20070815144100 ES,
20070815124100ES,, ,, , , Jane Doe, 123-456-7813, 123-456-7801,
doej@wxyz.com, Alan Trader, 312-678-9104, 312-678-910 0,
a.trader@defmarketing.com,,,,,,,,↵
U,,,, Y,,,,,,,,,,,,,,,,,,,,,, 20070818000000ES, 20070819000000ES,75,80,
20070818000000ES, 20070819000000ES,75,90,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,↵
U,,,, Y,,,,,,,,,,,,,,,,,,,,,, 20070819000000ES, 20070820000000ES,100,80,
20070819000000ES, 20070820000000ES,100,90,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,↵
I, 20070815121510ES, DEFPM, Alan Trader, N,104392, WXYZ,78912345,
DEFPM,912876543, N, X/WXYZ/AAA-DDD//, AAA , DDD, AAA, ZZZ,
DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED, ,3, ,102,
$/MW-Day, 20070817000000ES, 20070818000000ES,50,80,,,,, N, ,
SC:M;RF:M, , , , ,,, , QUEUED, , , 20070815121510ES, ,
20070815121510ES,, ,, , , Company Default, 123-456-7800, 123-456-7801,
, Alan Trader, 312-678-9104, 312-678-9100,
a.trader@defmarketing.com,,,,,,,,↵
I,,,, Y,,,,,,,,,,,,,,,,,,,,,, 20070818000000ES,
20070819000000ES,75,80,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,↵
I,,,, Y,,,,,,,,,,,,,,,,,,,,,, 20070819000000ES,
20070820000000ES,100,80,,
↵U,19980815124811ES,DEFPM,Alan
Trader,N,104392,WXYZ,78912345,DEFPM,912876543,N,X/WXYZ/AAA-
DDD//,A AA,DDD,AAA,ZZZ,50,DAILY,NON-
FIRM,POINT_TO_POINT,FULL_PERIOD,FIXED,,3,,19980817000000ES,1
99808 18000000ES,102.00,85.00,82.00,$/MW-
Day,N,,SC:M;RF:M,,,,,,REBID,,,19980815121510ES,19980815144100ES,1
9980 815124811ES,,,,Jane Doe,123-456-7813,123-456-
7801,doej@wxyz.com,Alan Trader,312-678-9104,312-678-9100,a.trader
@defmarketing.com.↵
U,19980815124100ES,WXYZ,Jane
Doe,N,104392,WXYZ,78912345,DEFPM,912876543,N,X/WXYZ/AAA-
DDD//,AAA ,DDD,AAA,ZZZ,50,DAILY,NON-
FIRM,POINT_TO_POINT,FULL_PERIOD,FIXED,,3,,19980817000000ES,1
9980818 000000ES,102.00,85.00,80.00,$/MW-
Day,N,,SC:M;RF:M,,,,,,COUNTEROFFER,,,19980815121510ES,19980815
144100 ES,19980815124100ES,,,,Jane Doe,123-456-7813,123-456-
7801,doej@wxyz.com,Alan Trader,312-678-9104,312-678-910
0,a.trader@defmarketing.com.↵
I,19980815121510ES,DEFPM,Alan
Trader,N,104392,WXYZ,78912345,DEFPM,912876543,N,X/WXYZ/AAA-
DDD//,A AA,DDD,AAA,ZZZ,50,DAILY,NON-

~~FIRM,POINT_TO_POINT,FULL_PERIOD,FIXED,,3,,19980817000000ES,19980818000000ES,102.00,90.00,80.00,$/MW-Day,N,,SC:M;RF:M,,,,,,QUEUED,,,19980815121510ES,,19980815121510ES,,,,Company Default,123-456-7800,123-456-7801,,Alan Trader,312-678-9104,312-678-9100,a.trader@defmarketing.com.↵~~
~~I,,,,Y,,,,,,,,,,,,75,,,,,,,,,19980818000000ES,19980819000000ES,,,,,,,,,,,,,,,,,,,,,,,,,,,,,↵~~
~~I,,,,Y,,,,,,,,,,,,100,,,,,,,,,19980819000000ES,19980820000000ES,,,,,,,,,,,,,,,,,,,,,,,,,,,,,↵~~

First, this example shows the handling of continuation records which conveyed a time varying demand of 50 MW on 8/17, 75 MW on 8/18, and 100 MW on 8/19. This demand profile was initially entered with the original reservation request (***transrequest*** Template) at 12:15 on 8/15 by Alan Trader. ~~Since the Data Elements associated with the profile were never modified, the intervening audit response records do not repeat the data from these continuation records.~~

As part of the original reservation, Alan Trader attempted to negotiate a price for service of $80.00 /MW-Day. Jane Doe responded to this request with a counter offer at the non-negotiated rate of $90~~85~~.00 /MW-Day at 12:41 on 8/15. The~~Since the status of COUNTEROFFER constitutes acceptance of all terms of the reservation except price (i.e., transmission capability has been evaluated and is available), the~~ RESPONSE_TIME_LIMIT Data Element has been updated to reflect the time by which the customer must confirm service ~~(assuming the establishment of customer confirmation time limits is approved by FERC).~~

At 12:48, Alan Trader attempted to negotiate further for a rate of $82.00 /MWDay and the reservation status was set to REBID. Jane Doe responded at 12:50 with a second counter offer restating a negotiated rate of $85.00, which Alan Trader finally agreed to at 13:16 on 8/15. The current posted information on OASIS would show~~shows~~ this final CONFIRMED reservation.

013-4.1.8 Reservation Reductions

The following is an example of the ***reduction*** template response format for a reservation, 123456, for one day of service at 50 MWs. Assume that 1) the Customer has redirected 20 MWs for that day on reservation 987654, 2) resold 10 MWs during the off-peak hours on reservation 345678, and 3) had service starting at 16:00 reduced in priority for two hours.

Response:

REQUEST_STATUS=200↵
ERROR_MESSAGE=↵
TIME_STAMP=20070207091601ES↵
VERSION=1.5↵
TEMPLATE=reduction↵
OUTPUT_FORMAT=DATA↵
PRIMARY_PROVIDER_CODE=WXYZ↵
PRIMARY_PROVIDER_DUNS=78912345↵
RETURN_TZ=ES↵

DATA_ROWS=13↵
COLUMN_HEADERS=CONTINUATION_FLAG,ASSIGNMENT_REF,CAPACITY_GRANTED,CAPACITY_AVAILABLE,START_TIME,STOP_TIME,REDUCTION_TYPE,REDUCTION_REASON,IMPACTING_REF,CAPACITY_REDUCED,NERC_CURTAILMENT_PRIORITY,OTHER_CURTAILMENT_PRIORITY↵
N,1234567,50,20,20070206000000ES,20070206070000ES,,,,,↵
Y,1234567,,,,,REDIRECT,,987654,-20,,↵
Y,1234567,,,,,RESALE,,345678,-10,,↵
N,1234567,50,30,20070206070000ES,20070206160000ES,,,,,↵
Y,1234567,,,,,REDIRECT,,987654,-20,,↵
N,1234567,50,30,20070206160000ES,20070206180000ES,,,,,↵
Y,1234567,,,,,REDIRECT,,987654,-20,,↵
Y,1234567,,,,,CONDITIONAL_EVENT,OSL violation on line xyz,,30,6,↵
N,1234567,50,30,20070206180000ES,20070206230000ES,,,,,↵
Y,1234567,,,,,REDIRECT,,987654,-20,,↵
N,1234567,50,20,20070206230000ES,20070207000000ES,,,,,↵
Y,1234567,,,,,REDIRECT,,987654,-20,,↵
Y,1234567,,,,,RESALE,,345678,-10,
~~,COLUMN_HEADERS=CONTINUATION_FLAG,ASSIGNMENT_REF,CAPACITY_GRANTED,CAPACITY_AVAILABLE,START_TIME,STOP_TIME,REDUCTION_TYPE,REDUCTION_REASON,IMPACTING_REF,CAPACITY_REDUCED,NERC_CURTAILMENT_PRIORITY↵~~
~~N,1234567,50,20,20070206000000ES,20070206070000ES,,,,,↵~~
~~Y,,,,,,REDIRECT,,987654,-20,↵~~
~~Y,,,,,,RESALE,,345678,-10,↵~~
~~N,1234567,50,30,20070206070000ES,20070206160000ES,,,,,↵~~
~~Y,,,,,,REDIRECT,,987654,-20,↵~~
~~N,1234567,50,30,20070206160000ES,20070206180000ES,,,,,↵~~
~~Y,,,,,,REDIRECT,,987654,-20,↵~~
~~Y,,,,,,CONDITIONAL_EVENT,OSL violation on line xyz,,30,6,↵~~
~~N,1234567,50,30,20070206180000ES,20070206230000ES,,,,,↵~~
~~Y,,,,,,REDIRECT,,987654,-20,↵~~
~~N,1234567,50,20,20070206230000ES,20070207000000ES,,,,,↵~~
~~Y,,,,,,REDIRECT,,987654,-20,↵~~
~~Y,,,,,,RESALE,,345678,-10,↵~~

013-4.2 Ancillary Service Linkage Examples

The following examples document the handling of ancillary service linkage to transmission service requests/reservations using the ANC_SVC_LINK data element.

Example 1:

Assume ancillary services SC and RV are mandatory from the TP, whose code is "TPEL", and ancillary services RF, EI, SP and SU are required, but will be defined at a future time.

"SC: (TPEL:RQ); RV: (TPEL:RQ); RF:(:FT); EI:(:FT); SP:(:FT); SU:(:FT)";

Example 2:

Assume ancillary services SC and RV are mandatory from the TP, whose code is "TPEL", and RF, EI, SP and SU are self-supplied. The customer code is "CPSE"

"SC: (TPEL:RQ); RV: (TPEL:RQ); RF:(CPSE:SP); EI:(CPSE:SP);
SP:(CPSE:SP); SU:(CPSE:SP)"

Example 3:

Assume ancillary services SC and RV are mandatory from the TP, whose code is "TPEL", and ancillary services RF, EI, SP and SU were purchased via a prior OASIS reservation from seller "SANC" whose reservation number was "39843". There is sufficient capacity within the Ancillary reservation to handle this Transmission reservation.

"SC:(TPEL:RQ); RV:(TPEL:RQ); RF:(SANC:AR:39843);
EI:(SANC:AR:39843) SP:(SANC:AR:39843); SU:(SANC:AR:39843)"

Example 4:

Assume ancillary services SC and RV are mandatory from the TP, whose code is "TPEL", and ancillary services RF, EI, SP and SU were purchased via prior OASIS reservations from sellers "SANC" and "TANC", whose reservation numbers where "8763" and "9824" respectively. There is not sufficient capacity within the Ancillary reservation from seller "SANC" to handle this Transmission reservation. In this case the OASIS reservation number 8763 will be depleted for the time frame specified within the transmission reservation and the remaining required amount will come from reservation number "9824".

"SC:(TPEL:RQ); RV:(TPEL:RQ); RF:((SANC:AR:8763)(TANC:AR:9824));
EI:((SANC:AR:8763)(TANC:AR:9824));
SP:((SANC:AR:8763)(TANC:AR:9824));
SU:((SANC:AR:8763)(TANC:AR:9824))"

Example 5:

Assume a transmission reservation in the amount of 100 mw/hour for a period of one day is made. Ancillary services SC and RV are mandatory from the TP, whose code is "TPEL", and ancillary services RF, EI, SP and SU were purchased via prior OASIS reservations from sellers "SANC" and "TANC", whose reservation numbers where "8763" and "9824" respectively. There is sufficient capacity within the Ancillary reservation from seller "SANC" to handle this Transmission reservation, however the purchaser wishes to use only "40 mw's" from this seller. In this case the OASIS reservation number 8763 will be depleted in the amount of "40 mw's" for the time frame specified within the transmission reservation and the remaining required amount will come from reservation number "9824".

"SC:(TPEL:RQ); RV:(TPEL:RQ); RF:((SANC:AR:8763:40)(TANC:AR:9824));
EI:((SANC:AR:8763:40)(TANC:AR:9824));
SP:((SANC:AR:8763:40)(TANC:AR:9824));
SU:((SANC:AR:8763:40)(TANC:AR:9824))"

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials
November 6, 2007

TAB 5

Minor Corrections

- Contained in this section are:
  - The minor correction procedure as approved by the Board of Directors
  - Minor Corrections with Comments Due 10-23-07
  - Minor Corrections with Comments Due 10-31-07, with comments provided by Southern Company
  - WEQ EC Notational Ballot on a Minor Correction – Due 10-31-07
- No action is expected on the WEQ EC. The two minor corrections that were adopted by the WEQ EC are implemented in the Version 1 of the publication. The results of the EC action on the thirst minor correction noted with a ballot out for return on 10-31-07 will be reviewed during the meeting. If the minor correction is adopted, it will be reflected in the Version 1 publication.
- The materials in Tab 5 correspond to agenda item 4.

MEMORANDUM

To: WEQ Executive Committee (EC)

From: WEQ Electronic Scheduling Subcommittee/Information Technology Subcommittee (ESS/ITS)

Date: September 12, 2007

RE: Minor Corrections to the WEQ 002 OASIS Standards and Communication

During the review process of documenting modifications to the WEQ 002 OASIS Standards and Communication Protocols, WEQ 003 OASIS Data Dictionary, and WEQ 013 OASIS Implementation Guide for the FERC Order No. 890 Group 1 changes, several minor corrections have been identified. Midwest ISO submitted a request to NAESB on August 24, 2007, to consider a number of edits to WEQ 002 OASIS Standards and Communication Protocols be applied to the Version 1 standards as minor corrections. The ESS/ITS reviewed the changes, made some additional changes, and are submitting these changes to the EC for review and approval. The ESS/ITS believes the attached redline changes meet the criteria of minor corrections as documented under the NAESB Operating Practices approved on March 20, 2003:

(b) clarifications or corrections to the format, appearance, or descriptions of standards in standards documentation
(d) clarifications and corrections that do not materially change a standard

These minor corrections are being submitted under the assumption the WEQ membership ratifies Recommendation R07002 to split the WEQ 002 OASIS Standards and Communications Protocols into two business practices: the WEQ 002 OASIS Standards and Communications Protocols and the WEQ 013 OASIS Implementation Guide.

The full set of minor corrections can be viewed in the attached redline Business Practice Standards. Minor corrections, other than those associated to format and appearance and minor corrections identified through the Microsoft Word spelling and grammar check function, are summarized below for your convenience.

- Header – Added reference to indicate the OASIS Version Number to avoid confusion between OASIS 1.5 which is currently under development.
  Revised Text: Version 1.4

- Section 002-2.3 (d) – Changed HTTP Version reference per request from the ESS/ITS. The ESS/ITS indicated the version listed in the document is outdated
  Revised Text: Hyper Text Transport Protocol (HTTP), Version 1.1 (RFC 2616)

- Section 002-3.3 (e) Removed parenthetical phrase “(such as fetch_http)” per request from the ESS/ITS. The ESS/ITS felt this phrase was outdated and may cause confusion.

Revised Text: This capability shall permit a Customer to upload CSV records using standard Web browsers or additional client software to specify the location of the CSV records stored on the Customer's hard disk.

- Section 002-4.2.2 – Corrected reference for OASIS data dictionary. The existing reference is to Appendix A which does not exist in WEQ 002.
  Revised Text: The Data Element Dictionary is defined in Open Access Same-Time Information Systems (OASIS) Data Dictionary WEQ 003.

- Section 002-4.2.7.2 – Revised example to be consistent with other examples contained in the business practice including: adding version number and removing brackets around data value.
  Revised Text:

  VERSION=1.4↵
  TEMPLATE=aaaaaaaaaa↵
  OUTPUT_FORMAT=DATA↵
  PRIMARY_PROVIDER_CODE=aaaa↵
  PRIMARY_PROVIDER_DUNS=nnnnnnnnn↵
  RETURN_TZ= tz↵
  DATA_ROWS=nnn↵
  COLUMN_HEADERS=[Template Data Element names separated by commas] ↵

- Section 002-4.2.7.3 – Revised example to be consistent with other examples contained in the business practice including: adding version number.
  Revised Text:

  REQUEST_STATUS=nnn↵
  ERROR_MESSAGE=aaa↵
  TIME_STAMP=yyyymmddhhmmsstz↵
  VERSION=1.4↵
  TEMPLATE=aaaaaaaaaa↵
  OUTPUT_FORMAT=DATA↵
  PRIMARY_PROVIDER_CODE=aaaa↵
  PRIMARY_PROVIDER_DUNS=nnnnnnnnn↵
  RETURN_TZ= tz↵↵
  DATA_ROWS=nnn↵
  COLUMN_HEADERS=[Template Data Element names separated by commas] ↵

- Section 002-4.2.10.3.1 – Revised examples. Removed double quotes and comma from value of STATUS_NOTIFICATION Data Element. In content type example provided data values and added return characters to be consistent with other examples.
  Revised Text:

  Content-type: text/x-oasis-csv
  Content-length: <byte count of remainder of message>↵

REQUEST_STATUS=200
TIME_STAMP=20070910123010ES↵

VERSION=1.4↵
TEMPLATE=transstatus↵
OUTPUT_FORMAT=DATA↵
PRIMARY_PROVIDER_CODE=ABC↵
PRIMARY_PROVIDER_DUNS=123456789↵
RETURN_TZ= ES↵
DATA_ROWS=1↵
COLUMN_HEADERS=CONTINUATION_FLAG, ASSIGNMENT_REF, . . . ↵
N, 245, . . . ↵

- Section 002-4.3 – Corrected reference for OASIS data dictionary. The existing reference is to Appendix A which does not exist in WEQ 002.
  Revised Text: The definitions of the Data Elements are listed in Open Access Same-Time Information System (OASIS) Data Dictionary WEQ-003.

- Section 002-4.3.4.1 – In sixth paragraph corrected template reference. Changed "schedule" to "scheduledetail"
  Revised Text: SCHEDULE_REF would vary with each record of data returned in response to a ***scheduledetail*** query.

- Section 002-4.3.4.2 – Changed references of "Security Coordinator" to "Reliability Coordinator" and "Control Area" to "Balancing Area" to be consistent with current NERC terminology.
  Revised Text:
  The EVENT_ID Data Element, when available, should reflect any regional or interconnection-wide recognized security event identifier for events that are of greater scope than those administered locally by the Provider (e.g., a NERC Reliability Coordinator assigned identifier corresponding to a particular implementation of the NERC TLR procedure).

  The INITIATING_PARTY identifies by Balancing Area, Reliability Coordinator or Transmission Provider code the entity calling for the "outage" or "limit", and RESPONSIBLE_PARTY identifies the entity (Balancing Area, Transmission Provider, or Reliability Coordinator) responsible for administering any resulting security procedure that may be instituted.

- Section 002-4.3.10.4 – Revised introductory sentence so English version and OASIS version of template name are both listed consistent with other sections of the document.
  Revised Text: The Personnel Transfers ***(personnel)*** Template is used to indicate when personnel are transferred between the merchant function and the Transmission Provider function as required by Standards of Conduct WEQ 009 or applicable regulations.

- Section 002-4.3.10.5 – Revised introductory sentence so English version and OASIS version of template name are both listed consistent with other sections of the document.
  Revised Text: The Discretion ***(discretion)*** Template is used to describe the circumstances when discretion was exercised in applying terms of the tariff, as described in the Standards of Conduct WEQ 009 or applicable regulations.

- Section 002-4.3.10.6 – Revised introductory sentence so English version and OASIS version of template name are both listed consistent with other sections of the document.
  Revised Text: The Standards of Conduct ***(stdconduct)*** Template indicates when information is disclosed in a manner contrary to the standards of conduct, as described in the Standards of Conduct WEQ 009 or applicable regulations.

- Section 002-4.3.11 – Corrected OASIS template name. Changed “dtsconductaudit” to “stdconductaudit”.
  Revised Text: ***stdconductaudit*** - audit counterpart to ***stdconduct***

Thank you for your consideration of these minor corrections.

Business Practices for Open Access Same-Time Information Systems (OASIS) Standards & Communication Protocols Version 1.4

Document Change Log:

Date	Section	Description of Change
06/06/2007	002-1.1	Added annotations to definitions as they relate to definitions contained in other WEQ Standards.
06/06/2007	002-2.1 (d)	Revised language related to Standards of Conduct – Final Action WEQ 2007 Annual Plan Item 3(a)(2).
06/06/2007	002-3.3 (a)-(c)	Changed document section references to use the correct NAESB Standard enumeration.
06/06/2007	002-3.4 (b)	Divided section for informational postings into requirements for INFO.HTM and new section for Standards of Conduct posting requirements. Per Final Action WEQ 2007 Annual Plan Item 3(a)(2)
06/06/2007	002-3.4 (b)(i)	Revised reference to WEQ 002-4.5 instead of section 4.5 – even though Final Action reflected "section"
06/06/2007	002-3.4(b)(ii)(k)	Subsection k deleted per Final Action WEQ 2007 Annual Plan Item 3(a)(2)
06/06/2007	002-3.6	Revised references to NAESB standards
06/06/2007	002-3.6 (b)	Typographical error.
06/06/2007	002-4.2.3.1	Changed document section references to use the correct NAESB Standard enumeration.
06/06/2007	002-4.2.7.5	Changed document section references to use the correct NAESB Standard enumeration.
06/06/2007	002-4.2.7.6	Changed document section references to use the correct NAESB Standard enumeration.
06/06/2007	002-4.2.10	The introduction to the OASIS transaction process refers the reader to the Implementation Guide for specific detailed information on this process.
06/06/2007	002-4.2.10.1	The detailed description of the general OASIS transaction process has been moved to the OASIS Implementation Guide WEQ_013-2. This section introduces use of REQUEST_TYPE data element and refers to the Implementation Guide for specific information related to REQUEST_TYPE.
06/06/2007	002-4.2.10.2	The detailed definitions for the STATUS data element and the STATUS transition state diagram have been moved to the OASIS Implementation Guide WEQ 013-2.2. This section introduces use of STATUS data element and refers to the Implementation Guide for specific

		information related to STATUS.
06/06/2007	002-4.2.12	Moved examples to the OASIS Implementation Guide WEQ 013-4.2.
06/06/2007	002-4.2.13	The information in this section and all subsections has been moved to the OASIS Implementation Guide WEQ 013-2.3 through 2.6 and expanded for clarity.
06/06/2007	002-4.3.6.1	Add RELINQUISH to recognized REQUEST_TYPES (Final Action R04006C1)
06/06/2007	002-4.3.6.2	Reference to specific enumerated values for REQUEST_TYPE and STATUS has been removed.
06/06/2007	002-4.3.6.3	Reference to specific enumerated values for STATUS has been removed.
06/06/2007	002-4.3.6.4	Reference to specific enumerated values for STATUS has been removed.
06/06/2007	002-4.3.8.2	Reference to specific enumerated values for STATUS has been removed.
06/06/2007	002-4.3.8.3	Reference to specific enumerated values for STATUS has been removed.
06/06/2007	002-4.3.8.4	Reference to specific enumerated values for STATUS has been removed.
06/06/2007	002-4.3.10.4	Changed specific reference to FERC Statutes with reference to WEQ 009 Standards of Conduct Standards.
06/06/2007	002-4.3.10.5	Changed specific reference to FERC Statutes with reference to WEQ 009 Standards of Conduct Standards.
06/06/2007	002-4.3.10.6	Changed specific reference to FERC Statutes with reference to WEQ 009 Standards of Conduct Standards.
06/06/2007	002-4.4	The contents of this section and all subsections have been moved to the OASIS Implementation Guide WEQ 013-4.1.
06/06/2007	002-4.5	This section was subdivided into two subsections to describe the requirements for information posted on INFO.HTM and new posting requirements for specific Standards of Conduct related information, under WEQ009.
09/10/2007	Various	Minor edits including spacing, grammatical changes resulting from review using Microsoft Word Spelling and Grammar Check function.
09/10/2007	Various	Formatted OASIS template names so all template names when referenced in paragraphs are designated ***bold/italicized.***
09/10/2007	Header	Added reference to indicate the OASIS Version Number
09/10/2007	002-2.3 (d)	Changed HTTP Version
09/10/2007	002-3.3 (e)	Removed parenthetical phrase “(such as fetch http)”
09/10/2007	002-4.2.2	Corrected reference for OASIS data dictionary.
09/10/2007	002-4.2.7.2	Revised example to be consistent with

		other examples contained in the business practice including: adding version number and removing brackets around data value.
09/10/2007	002-4.2.7.3	Revised example to be consistent with other examples contained in the business practice including: adding version number.
09/10/2007	002-4.2.10.3.1	Revised examples. Removed double quotes and comma from value of STATUS_NOTIFICATION Data Element. In content type example provided data values and added return characters to be consistent with other examples.
09/10/2007	002-4.3	Corrected reference for OASIS data dictionary.
09/10/2007	002-4.3.4.1	In sixth paragraph corrected template reference.
09/10/2007	002-4.3.4.2	Changed references of "Security Coordinator" to "Reliability Coordinator" and "Control Area" to "Balancing Area" to be consistent with current NERC terminology.
09/10/2007	002-4.3.10.4	Revised introductory sentence so English version and OASIS version of template name are both listed consistent with other sections of the document.
09/10/2007	002-4.3.10.5	Revised introductory sentence so English version and OASIS version of template name are both listed consistent with other sections of the document.
09/10/2007	002-4.3.10.6	Revised introductory sentence so English version and OASIS version of template name are both listed consistent with other sections of the document.
09/10/2007	002-4.3.11	Corrected OASIS template name. Changed "dtsconductaudit" to "stdconductaudit".

Business Practices Requirements:

002-1 INTRODUCTION

002-1.1 DEFINITION OF TERMS

The following definitions are offered to clarify discussions of the OASIS in this document.

a. **Transmission Services Information (TS Information)** is transmission and ancillary services information that must be made available by public utilities on a non-discriminatory basis to meet the regulatory requirements of transmission open access.
b. **Open Access Same-Time Information System (OASIS)** comprises the computer systems and associated communications facilities that public utilities are required to provide for the purpose of making available to all transmission users comparable interactions with TS Information.

c. **Open Access Same-Time Information System Node (OASIS Node)** is a subsystem of the OASIS. It is one computer system in the (OASIS) that provides access to TS Information to a Transmission Customer.
d. **Transmission Provider (TP or Primary Provider)** is the public utility (or its designated agent)
that owns, operates or controls facilities used for the transmission of electric energy in interstate commerce. (Consistent with the definition in WEQ 001-0.11).
e. **Transmission Customer (TC or Customer)** is any eligible Customer (or its designated agent) that can or does execute a transmission service agreement or can or does receive transmission service. (Consistent with the definition in WEQ 001-0.12).
f. **Secondary Transmission Provider (ST, Reseller, or Secondary Provider)** is any Customer who offers to sell transmission capacity it has purchased. (12 Consistent with the definition of WEQ 001-0.10).
g. **Transmission Services Information Provider (TSIP)** is a Transmission Provider or an agent to whom the Transmission Provider has delegated the responsibility of meeting any of the requirements associated with OASIS. (Consistent with the definition of Responsible Party in WEQ 001-0.9).
h. **Value-Added Transmission Services Information Provider (VTSIP)** is an entity who uses TS Information in the same manner as a Customer and provides value-added information services to its Customers.

002-2 NETWORK ARCHITECTURE REQUIREMENTS

002-2.1 ARCHITECTURE OF OASIS NODES

a. **Permit Use of Any OASIS Node Computers:** TSIPs shall be permitted to use any computer systems as an OASIS Node, so long as they meet the OASIS requirements.

b. **Permit Use of Any Customer Computers:** OASIS Nodes shall permit the use by Customers of any commonly available computer systems, as long as they support the required communication links to the Internet.

c. **Permit the Offering of Value-Added Services:** TSIPs are required, upon request, to provide their Customers the use of private network connections on a cost recovery basis. Additional services that are beyond the scope of the minimum OASIS requirements are also permitted. When provided, these private connections and additional services shall be offered on a fair and non-discriminatory basis to all Customers who might choose to use these services.

d. **Permit Use of Existing Communications Facilities:** In implementing the OASIS, the use of existing communications facilities shall be permitted. The use of OASIS communication facilities for the exchange of information beyond that required for open transmission access (e.g., transfer of system security or operations data between regional control centers) shall also be permitted, provided that such use does not negatively impact the exchange of open transmission access data and is consistent with the applicable Standards of Conduct regulations.

e. **Single or Multiple Providers per Node:** An OASIS Node may support a single individual Primary Provider (plus any Secondary Providers) or may support many Primary Providers.

002-2.2 INTERNET-BASED OASIS NETWORK

a. **Internet Compatibility:** All OASIS Nodes shall support the use of internet tools, internet directory services, and internet communication protocols necessary to support the Information Access requirements stated in Section 4.

b. **Connection through the Public Internet:** Connection of OASIS Nodes to the public Internet is required so that Users may access them through Internet links. This connection shall be made through a firewall to improve security.

c. **Connection to a Private Internet Network:** OASIS Nodes shall support private connections to any OASIS User (User) who requests such a connection. The TSIP is permitted to charge the User, based on cost, for these connections. The same internet tools shall be required for these private networks as are required for the public Internet. Private connections must be provided to all users on a fair and nondiscriminatory basis.

d. **Internet Communications Channel:** The OASIS Nodes shall utilize a communication channel to the Internet which is adequate to support the performance requirements given the number of Users subscribed to the Providers on the Node (see Section 5.3).

002-2.3 COMMUNICATION STANDARDS REQUIRED

a. **Point-to-Point Protocol (PPP) and Internet Protocol Control Protocol (IPCP)** (reference RFCs 1331 and 1332) shall be supported for private internet network dial-up connections.

b. **Serial Line Internet Protocol (SLIP)** (reference RFC 1055) shall be supported for private internet network dial-up connections.

c. **Transport Control Protocol and Internet Protocol (TCP/IP)** shall be the only protocol set used between OASIS Nodes whenever they are directly interconnected, or between OASIS Nodes and Users using private leased line internet network connections.

d. **Hyper Text Transport Protocol (HTTP)**, Version 1.1~~0~~ (RFC 2616~~1945~~), shall be supported by TSIPs so that Users= web browsers can use it to select information for viewing displays and for downloading and uploading files electronically.

e. **Internet Protocol Address:** All OASIS Nodes are required to use an IP address registered with the Internet Network Information Center (InterNIC), even if private connections are used.

002-2.4 INTERNET TOOL REQUIREMENTS

Support for the following specific internet tools is required, both for use over the public Internet as well as for any private connections between Users and OASIS Nodes:

a. **Browser Support:** OASIS Nodes shall insure that Users running minimally either Netscape's Navigator version 4.0.x or Microsoft's Internet Explorer version 4.0.x browsers (or any other commercially or privately available browser supporting that set of capabilities common to both of these industry standard browsers) shall have a fully functional user interface based on the Interface Requirements defined in Section 4.

b. **HTML Forms** shall be provided by the TSIPs to allow Customers to enter information to the OASIS Node.

c. **Domain Name Service (DNS)** (ref. RFC 1034, 1035) shall be provided as a minimum by the TSIPs (or their Internet Service Provider) for the resolution of IP addresses to allow Users to navigate easily between OASIS Nodes.

d. **Simple Network Management Protocol (SNMP)** is recommended but not required to provide tools for operating and managing the network, if private interconnections between OASIS Nodes are established.

e. **The Primary Provider shall support E-mail** for exchanges with Customers, including the sending of attachments. The protocols supported shall include, as a minimum, the Simple Messaging Transfer Protocol (SMTP), Post Office Protocol (POP), and Multipurpose Internet Mail Extensions (MIME).

002-2.5 NAVIGATION AND INTERCONNECTIVITY BETWEEN OASIS NODES

a. **World Wide Web Browsers:** TSIPs shall permit Users to navigate using WWW browsers for accessing different sets of TS Information from one Provider, or for getting to TS Information from different Providers on the same OASIS Node. These navigation methods shall not favor User access to any Provider over another Provider, including Secondary Providers.

b. **Internet Interconnection across OASIS Nodes:** Navigation tools shall not only support navigation within the TSIP's Node, but also across interconnected OASIS Nodes. This navigation capability across interconnected Nodes shall, as a minimum, be possible through the public Internet.

002-3 INFORMATION ACCESS REQUIREMENTS

002-3.1 REGISTRATION AND LOGIN REQUIREMENTS

a. **Location of Providers:** To provide Users with the information necessary to access the desired Provider, all Primary Providers shall register their OASIS Node URL address with www.tsin.com. This URL address should include the unique four letter acronym the Primary Provider will use as the PRIMARY_PROVIDER_CODE.

b. **Initial User Registration:** TSIPs shall require Users to register with a Primary Provider before they are permitted to access the Provider's TS

Information. There must be a reference pointing to registration procedures on each Primary Provider's home page. Registration procedures may vary with the administrative requirements of each Primary Provider.

c. **Initial Access Privileges:** Initial registration shall permit a User only the minimum Access Privileges. A User and a Primary Provider shall mutually determine what access privilege the User is permitted. The TSIP shall set a User's Access Privilege as authorized by the Primary Provider.

d. **User Login:** After registration, Users shall be required to login every time they establish a dial-up connection. If a direct, permanent connection has been established, Users shall be required to login initially or any time the connection is lost. Use of alternative forms of login and authentication using certificates and public key standards is acceptable.

e. **User Logout:** Users shall be automatically logged out any time they are disconnected. Users may logout voluntarily.

002-3.2 SERVICE LEVEL AGREEMENTS

Service Level Agreements: It is recognized that Users will have different requirements for frequency of access, performance, etc., based on their unique business needs. To accommodate these differing requirements, TSIPs shall be required to establish a "Service Level Agreement" with each User, which specifies the terms and conditions for access to the information posted by the Providers. The default Service Level Agreement shall be Internet access with the OASIS Node meeting all minimum performance requirements.

002-3.3 ACCESS TO INFORMATION

a. **Display:** TSIPs shall format all TS Information in HTML format such that it may be viewed and read directly by Users without requiring them to download it. This information shall be in clear English as much as possible, with the definitions of any mnemonics or abbreviations available on-line. The minimum information that is to be displayed is provided in the Templates in Standards WEQ 002-4.3.

b. **Read-Only Access to TS Information:** For security reasons, Users shall have read-only access to the TS Information. They shall not be permitted to enter any information except where explicitly allowed, such as HTML transaction request forms or by the Templates in Standards WEQ 002-4.3.

c. **Downloading Capability:** Users shall be able to download from an OASIS Node the TS Information in electronic format as a file. The rules for formatting of this data are described in Standards WEQ 002-4.2.

d. **On-Line Data Entry on Forms:** Customers shall be permitted to fill out on-line the HTML forms supplied by the TSIPs, for requesting the purchase of services and for posting of products for sale (by Customers who are Resellers). Customers shall also be permitted to fill-out and post Want- Ads.

e. **Uploading Capability:** Customers shall be able to upload to OASIS Nodes the filled-out forms. TSIPs shall ensure that these uploaded forms are handled identically to forms filled out on-line. TSIPs shall provide forms that support the HTTP input of Comma Separated Variable (CSV) records. This capability shall permit a Customer to upload CSV records using standard Web browsers or additional client software ~~(such as fetch_http)~~ to specify the location of the CSV records stored on the Customer's hard disk.

f. **Selection of TS Information:** Users shall be able to dynamically select the TS Information they want to view and/or download. This selection shall be, as a minimum, through navigation to text displays, the use of pull-down menus to select information for display, data entry into forms for initiating queries, and the selection of files to download via menus.

002-3.4 PROVIDER UPDATING REQUIREMENTS

The following are the Provider update requirements:

a. **Provider Posting of TS Information**: Each Provider (including Secondary Providers and Value-Added Providers) shall be responsible for writing (posting) and updating TS Information on their OASIS Node. No User shall be permitted to modify a Provider's Information.

b. **General Postings**

(i) **INFO.HTM:** Each Provider shall provide general information on how to use their node and describe all special aspects, such as line losses, congestion charges and assistance. The address for the directory of this information shall be INFO.HTM (case sensitive), an HTML web page, linked to the Provider's registered URL address. See WEQ 002-4.5 for information required to be on the web page INFO.HTM.

(ii) **Standards of Conduct:** The Transmission Provider shall establish a link entitled “Standards of Conduct,” located on the OASIS home page at the Transmission Provider’s registered URL address.

c. **OASIS Node Space for Secondary Provider**: To permit Users to readily find TS Information for the transmission systems that they are interested in, TSIPs shall provide database space on their OASIS Node for all Secondary Providers who have purchased, and who request to resell, transmission access rights for the power systems of the Primary Providers supported by that Node.

d. **Secondary Provider Posting to Primary Provider Node**: The Secondary Providers shall post the relevant TS Information on the OASIS Node associated with each Primary Provider from whom the transmission access rights were originally purchased.

e. **Secondary Provider Posting Capabilities**: The TSIPs shall ensure that the Secondary Providers shall be able to post their TS Information to the appropriate OASIS Nodes using the same tools and capabilities as the Customers, meet the same performance criteria as the Primary Providers, and allow users to view these postings on the same display page, using the same tables, as similar capacity being sold by the Primary Providers.

f. **Free-Form Posting of non-TS Information**: The TSIP shall ensure that Providers and Customers may post non-TS Information, such as Want-Ads and that this information is easily accessible by all Users. The TSIP shall be allowed to limit the volume and/or to charge for the posting of non-TS Information.

g. **Time Stamps**: All TS Information shall be associated with a time stamp to show when it was posted to the OASIS Node.

h. **Transaction Tracking by an Assignment Reference Number**: All requests for purchase of transmission or ancillary services will be marked by a unique accounting number, called an assignment reference.

i. **Time-Stamped OASIS Audit Log**: All posting of TS Information, all updating of TS Information, all User logins and disconnects, all User download requests, all Service Requests, and all other transactions shall be time stamped and stored in an OASIS Audit Log. This OASIS Audit Log shall be the official record of interactions, and shall be maintained on-line for download for at least 90 days. Changes in the values of posted Capacity (Available Transfer Capability) must be stored in the on-line Audit Log for 20 days. Audit records must be maintained for 3 years off-line and available in electronic form within seven days of a Customer request.

j. **Studies:** A summary description with dates, and programs used of all transmission studies used to prepare data for the Primary Provider's ATC and TTC calculation will be provided along with information as to how to obtain the study data and results.

002-3.5 ACCESS TO CHANGED INFORMATION

a. **General Message & Log:** TSIPs shall post a general message and log that may be read by Users. The message shall state that the Provider has updated some information, and shall contain (or point to) a reverse chronological log of those changes. This log may be the same as the Audit Log. The User may use the manual capability to see the message.

b. **TSIP Notification Design Responsibilities:** The TSIP shall avoid a design that could cause serious performance problems by necessitating frequent requests for information from many Users.

002-3.6 USER INTERACTION WITH AN OASIS NODE

There are three basic types of User interactions which must be supported by the OASIS Node. These interactions are defined in WEQ 002-4.3.

a. **Query/Response:** The simplest level of interactions is the query of posted information and the corresponding response. The User may determine the scope of the information queried by specifying values, through an HTML form, a URL string, or an uploaded file, using Query Variables and their associated

input values as defined with each Template in WEQ 002-4.3. The response will be either an HTML display or a record oriented file, depending on the output format that the User requests. The TSIP may establish procedures to restrict the size of the response, if an overly broad query could result in a response that degrades the overall performance of the OASIS Node for their Users.

b. **Purchase Request:** The second type of Customer interaction is the submittal of a request to purchase a service. The Customer completes an input form, a URL string or uploads a file and submits it to the OASIS Node. The uploaded file can either be a series of Query Variables or a record oriented file. The Seller of the service, possibly off-line from the OASIS Node, processes the request and the status is updated accordingly. If the Seller approves the purchase request, then the Customer must again confirmed it. Once the Customer confirms an approved purchase, a reservation for those services is considered to exist, unless later the reservation is reassigned, displaced, or annulled.

c. **Upload and Modify Postings:** Customers who wish to resell their rights may upload a form, create the appropriate URL or upload a file to post services for sale. A similar process applies to eligible Third Party Sellers of ancillary services. The products are posted by the TSIP. The seller may monitor the status of the services by requesting status information. Similarly the Seller may modify its posted transmission services by submitting a service modification request through a form, a URL query, or by uploading a file.

002-4 INTERFACE REQUIREMENTS

002-4.1 INFORMATION MODEL CONCEPTS

a. **ASCII-Based OASIS Templates:** For providing information to Users, TSIPs shall use the specified OASIS Templates. These Templates define the information that must be presented to Users, both in the form of graphical displays and as downloaded files. Users shall be able to request Template information using query-response data flows. The OASIS Templates are described in section 4.3. The Data Element Dictionary, which defines the Data Elements in the OASIS Templates, is provided in WEQ 003. Data elements must be used in the exact sequence and number as shown in the Templates when file uploads and downloads are used. Although the contents of the graphical displays are precisely defined as the same information as in the Templates, the actual graphical display formats of the TS information are beyond the scope of the OASIS requirements. Due to the nature of graphical displays, there may be more than one graphical display used to convey the information in a single Template.

b. **ASCII-Based OASIS File Structures:** For uploading requests from and downloading information to Users, TSIPs shall use specific file structures that are defined for OASIS Template information (see WEQ 002-4.2). These file structures are based on the use of headers that contain the Query Variable information, including the name of the OASIS Template. These headers thus determine the contents and the format of the data that follows. Although headers may not be essential if file transfers contain the exact sequence and number of Data Elements as the Templates, this feature is being preserved for possible future use when additional flexibility may be allowed.

002-4.2 OASIS NODE CONVENTIONS AND STRUCTURES

002-4.2.1 OASIS Node Naming Requirements

The following naming conventions shall be used to locate information posted on an OASIS Node. OASIS naming conventions shall conform to standard URL structures.

002-4.2.1.1 OASIS Node Names

In order to provide a consistent method for locating an OASIS Node, the standard Internet naming convention shall be used. All OASIS Node names shall be unique. Each Primary Provider OASIS Node name and home directory shall be registered with the master OASIS directory site at http://www.tsin.com. OASIS Node names shall be stored in an Internet DNS name directory.

002-4.2.1.2 OASIS Node and Primary Provider Home Directory

The home directory name on an OASIS Node shall be "OASIS" (all upper case) to identify that the directory is related to the OASIS. The directory of each Primary Provider shall be listed under the "OASIS" directory:

http://(OASIS Node name)/OASIS/(PRIMARY_PROVIDER_CODE)

Where:

(OASIS Node name) is the World Wide Web URL address of the OASIS Information Provider.

(PRIMARY_PROVIDER_CODE) (Case sensitive) is the 4-character acronym of the primary provider.

PRIMARY_PROVIDER_CODEs shall be registered with the master OASIS directory site at http://www.tsin.com. A pointer to user registration information shall be located on the Primary Provider's home page.

002-4.2.1.3 Script Names

Common Gateway Interface (CGI) scripts shall be located in the directory "data" as follows (case sensitive): **http://(OASIS Node name)/OASIS/ (PRIMARY_PROVIDER_CODE) /data/(cgi script name)?(Query Variables)**

Where:

(**cgi script name**) is the OASIS Template name in lower case (see Section 4.3). Other cgi scripts may be defined as required to implement the HTML interface to the documented Templates.

(**Query Variables**) is a list of query variables with their settings formatted as defined by the HTTP protocol (i.e., URL encoded separated by ampersands).

Example:

To request the hourly schedule Template at Primary Provider WXYZ Co.

http://www.wxyz.com/OASIS/WXYZ/data/schedule ?templ=schedule& ver=1.2& fmt=data &stime=19960412040000PD &sptime=19960412100000PD& pprov=wxyz

002-4.2.2 Data Element Dictionary

The following are the requirements for the Data Element Dictionary:

a. Definition of OASIS Information Elements: All OASIS Information Data Elements shall be defined in the Data Element Dictionary which will be stored in the OASIS Node directory:

- **http://(OASISNode Name)/OASIS/(PRIMARY_PROVIDER_CODE)/ (datadic.htm | datadic.txt)**
- Where:
- **datadic.htm is the HTML version of the Data Element dictionary (case sensitive)**
- **datadic.txt is the ASCII text version of the Data Element dictionary (case sensitive)**
- The Data Element Dictionary is defined in ~~Appendix A~~Open Access Same-Time Information Systems (OASIS) Data Dictionary WEQ 003.

b. **Provider-specific Data Element Values:** The valid values that certain OASIS Information Data Elements may take on, such as PATH_NAME, etc., are unique to a Primary Provider. Names that must be uniquely identified by Primary Provider shall be listed on-line on the OASIS Node via the ~~LIST~~ ***list*** Template (see Section 4.3.5). In posting OASIS information associated with Data Elements which are not free-form text, TSIPs shall use only the accepted Data Element values listed in the Data Element Dictionary and/or those values posted in the ~~LIST~~ ***list*** of provider specific names provided on the OASIS Node.

002-4.2.3 OASIS Template Constructs

002-4.2.3.1 Template Construction

Standard 002-4.3 lists the set of OASIS Templates that shall be supported by all OASIS Nodes. These OASIS Templates are intended to be used precisely as shown for the transfer of data to/from OASIS Nodes, and identify, by Data Elements names, the information to be transferred. The construction of the OASIS Templates shall follow the rules described below:

a. **Unique OASIS Template Name:** Each type of OASIS Template shall be identified with a unique name which shall be displayed to the User whenever the OASIS Template is accessed.

b. **Transfer Protocol:** OASIS Templates are transferred using the HTTP protocol. Templates shall support both the "GET" and "POST" methods for

transferring "query string" name/value pairs, as well as the OASIS specific "comma separated value" (CSV) format for posting and retrieval of information from OASIS Nodes. HTML screens and forms shall be implemented for each OASIS Template.

c. **Source Information:** Each OASIS Template shall identify the source of its information by including or linking to the name of the Primary Provider, the Secondary Provider, or the Customer who provided the information.

d. **Time Of Last Update:** Each OASIS Template shall include a time indicating when it was created or whenever the value of any Data Element was changed.

e. **Data Elements:** OASIS Templates shall define the elementary Data Element Dictionary names for the data values to be transferred or displayed for that Template.

f. **Documentation:** OASIS Information shall be in non-cryptic English, with all mnemonics defined in the Data Element Dictionary or a glossary of terms. TSIPs shall provide on-line descriptions and help screens to assist Users understanding the displayed information. Documentation of all formats, contents, and mnemonics shall be available both as displays and as files that can be downloaded electronically. In order to meet the "User-Friendly" goal and permit the flexibility of the OASIS Nodes to expand to meet new requirements, the OASIS Templates shall be as self-descriptive as possible.

002-4.2.3.2 Template Categories

OASIS Templates are grouped into the following two major categories:

a. **Query/Response:** These Templates are used to query and display information posted on an OASIS Node. Each query/response Template accepts a set of user specified Query Variables and returns the appropriate information from data posted on the OASIS Node based on those Query Variables. The valid Query Variables and information to be returned in response are identified by Data Element in Section 4.3.

b. **Input/Response**: These Templates are used to upload/input information on an OASIS Node. The required input information and information to be returned in response are identified by Data Element in Section 4.3, Template Descriptions.

002-4.2.3.3 Template HTML Screens

Though the exact form and content of the HTML screens and forms associated with the OASIS Templates are not dictated by this document, the following guidelines shall be adhered to for all HTML screens and forms implemented on an OASIS Node:

a. **Data Element Headings:** Data displayed in an HTML screen/form shall be labeled such that the associated data value(s) is(are) easily and readily identifiable as being associated with a particular OASIS Template Data Element. HTML "Hot-Links" or other pointer mechanisms may be provided for Data Element headings in OASIS Templates which permit the User to access

documentation describing the meaning, type, and format of the associated data.

b. **Display Limitations:** HTML screens and forms shall be implemented in such a way to allow the display of all data specified for each OASIS Template. This may take the form of "wrapping" of lines of information on the screen, the use of horizontal and/or vertical scrolling, or the use of "Hot-Links" or other pointer mechanisms. There is not necessarily a one-to-one relationship between HTML screens implemented on OASIS Nodes, and their associated Template. However, all Template Data Elements shall be viewable through one or more HTML screens.

c. **Template Navigation:** HTML "Hot-Links" or other pointer mechanisms may be provided to assist the navigation between screens/forms associated with related OASIS Templates.

002-4.2.4 Query/Response Template Requirements

Retrieval of information posted on an OASIS Node is supported by the Query/Response Templates. The "query" identifies the OASIS Template and optionally supplies additional Data Elements that may be used to select specific information to be returned in the "response".

002-4.2.4.1 Query Requirements

Query information is transferred to an OASIS Node using the HTTP protocol as a string of Query Variables in the form of name/value pairs. Query Variable name/value pairs are specified as a collection of encoded strings (e.g., blank characters replaced by plus (+) character, etc.) in the form of **name=value**, with each name/value pair separated by ampersands (&) (see section 4.2.6). OASIS Nodes shall support the following methods for Users to input Query information:

a. **HTML:** HTML FORM input and/or hypertext links shall be provided to allow Users to specify OASIS Template Query Variables. This will be the easiest way to obtain information and should be the choice of most casual Users and for simple requests. The exact nature and form of these HTML screens are not specified, and may differ between OASIS Nodes.

b. **GET Method:** The HTTP GET method for specifying query information appended to a standard OASIS URL shall be supported. Using this method, the **name=value** formatted Query Variables preceded by a question mark (?) are appended to the URL. Each "name" in a name/value pair corresponds to a Data Element name associated with that Template. OASIS Nodes shall support the specification of all Data Elements associated with a Template by both their full name and alias as defined in the Data Dictionary. The "value" in a name/value pair represents the value to be associated with the Data Element being specified in the appropriate format as defined in the Data Dictionary and encoded according to the HTTP protocol.

c. **POST Method:** The HTTP POST method for specifying query information in the message body shall be supported. Using this method, the **name=value**

formatted Query Variables shall be transferred to an OASIS Node using the "**Content-length:**" HTTP header to define the length in bytes of the encoded query string and the "**Content-type: application/x-www-form-urlencoded**" HTTP header to identify the data type included in the message body. Each "name" in a name/value pair corresponds to a Data Element name associated with that Template. An OASIS Node shall support the specification of all Data Elements associated with a Template by both their full name and alias as defined in the Data Dictionary. The "value" in a name/value pair represents the value to be associated with the Data Element being specified in the appropriate format as defined in the Data Dictionary and encoded according to the HTTP protocol.

User queries using any of the above methods are supported directly by the User's web browser software. More sophisticated data transfer mechanisms, such as the automated querying of information based on Query Variable strings contained in a User data file (i.e., "uploading a file containing a URL string), require appropriate software (e.g., "fetch_http") running on the User's computer system to effect the data transfer.

002-4.2.4.2 Response Requirements

In response to a validly formatted Query for each Query/Response OASIS Template, the OASIS Node shall return the requested information in one of two forms based on the User specified OUTPUT_FORMAT Query Variable:

a. **HTML:** If the User requests the response to have the format of "HTML" (OUTPUT_FORMAT=HTML) then the response from the OASIS Node shall be a web page using the HTML format. This shall be the default for all Query/Response Templates.

b. **CSV Format:** Comma Separated Value (CSV) format (OUTPUT_FORMAT=DATA) returns the requested information in the body of the HTTP response message. The "**Content-length:**" HTTP header shall define the length in bytes of the response, and the "**Content-type: text/x-oasis-csv**" HTTP header shall be used to identify the data type included in the message body (see CSV File Format).

002-4.2.5 Input/Response Template Requirements

Input/Response Templates support the posting of information on an OASIS Node, including reservations for transmission/ancillary service and services for sale on the secondary market, etc. The "input" identifies the required data associated with an OASIS Template to be posted on the OASIS Node, and the "response" specifies the information returned to the User.

002-4.2.5.1 Input Requirements

Input information is transferred to an OASIS Node using the HTTP protocol as either a string of Query Variables in the form of name/value pairs, or as a Comma Separated Value (CSV) message. Query Variable name/value pairs are specified as a collection of encoded strings (e.g., blank characters replaced by plus (+) character, etc.) in the form of **name=value**, with each name/value

pair separated by ampersands (&). CSV formatted messages are specified in the body of an HTTP message as a series of Data Records preceded by a fixed set of header records (see section 4.2.7). OASIS Nodes shall support the following methods for Users to transfer Input data:

a. **HTML:** HTML FORM input shall be provided to allow Users to specify the necessary Input data associated with each Input/Response OASIS Template. This may be in the form of fill in blanks, buttons, pull-down selections, etc., and may use either the GET or POST methods. The exact nature and form of these HTML screens are not specified, and may differ between OASIS Nodes.

b. **GET Method:** The HTTP GET method for specifying Input information in the form of a query string appended to a standard OASIS URL shall be supported. Using this method, the **name=value** formatted Query Variables preceded by a question mark (?) are appended to the URL. Each "name" in a name/value pair corresponds to a Data Element name associated with that Template. OASIS Nodes shall support the specification of all Data Elements associated with a Template by both their full name and alias as defined in the Data Dictionary. The "value" in a name/value pair represents the value to be associated with the Data Element being specified in the appropriate format as defined in the Data Dictionary and encoded according to the HTTP protocol.

c. **POST Method:** The HTTP POST method for specifying Input information in the form of a query string in the message body shall be supported. Using this method, the **name=value** formatted Query Variables shall be transferred to an OASIS Node using the "**Content-length:**" HTTP header to define the length in bytes of the encoded query string and the "**Content-type: application/x-www-form-urlencoded**" HTTP header to identify the data type included in the message body. Each "name" in a name/value pair corresponds to a Data Element name associated with that Template. OASIS Nodes shall support the specification of all Data Elements associated with a Template by both their full name and alias as defined in the Data Dictionary. The "value" in a name/value pair represents the value to be associated with the Data Element being specified in the appropriate format as defined in the Data Dictionary and encoded according to the HTTP protocol.

d. **CSV Format:** Comma Separated Value (CSV) formatted Input information transferred in the body of a User's HTTP message shall be supported. The "**Content-length:**" HTTP header shall define the length in bytes of the Input, and the "**Content-type: text/x-oasis-csv"** HTTP header shall be used to identify the data type included in the message body.

002-4.2.5.2 Response to Input

In response to a validly formatted Input for each Input/Response OASIS Template, the OASIS Node shall return an indication as to the success/failure of the requested action. The OASIS Node shall respond to the Input in one of two forms, based on the OUTPUT_FORMAT, which was input by a User either as a Query Variable or in a CSV format Header Record:

a. **HTML:** If the User requests the response to have the format of "HTML" (OUTPUT_FORMAT =HTML) then the response from the OASIS Node shall be a web page using the HTML format. This shall be the default for all

Input/Response Templates invoked using either the FORM~~,~~ GET or POST methods of input.

b. **CSV Format:** Comma Separated Value (CSV) format (OUTPUT_FORMAT=DATA) returns the response information in the body of the HTTP response message. The "**Content-length:**" HTTP header shall define the length in bytes of the response, and the "**Content-type: text/xoasis-csv"** HTTP header shall be used to identify the data type included in the message body. This shall be the default for all Input/Response Templates invoked using the CSV Format methods of input.

002-4.2.6 Query Variables

002-4.2.6.1 General

Both Query/Response and Input/Response OASIS Templates shall support the specification of a query string consisting of Query Variables formatted as name/value pairs. OASIS Nodes shall support the specification of Data Element names ("name" portion of **name=value** pair) in both the full name and alias forms defined in the Data Dictionary. OASIS Nodes shall support the specification of Query Variables from the User using either the HTTP GET or POST methods. On input, Data Element names and associated values shall be accepted and processed without regard to case. On output, Data Element names and associated values may not necessarily retain the input case, and could be returned in either upper or lower case.

002-4.2.6.2 Standard Header Query Variables

The following standard Query Variable Data Elements shall be supported for all OASIS Templates and must be entered for each Query by a User:

VERSION
TEMPLATE
OUTPUT_FORMAT
PRIMARY_PROVIDER_CODE
PRIMARY_PROVIDER_DUNS
RETURN_TZ

Since these header Query Variables must be supported for all Templates, they are not listed explicitly in the Template descriptions in Section 4.3 The User must enter all standard Header Query Variables with appropriate values.

002-4.2.6.3 Responses to Queries

Responses to Queries will include the following information as a minimum:

TIME_STAMP
VERSION
TEMPLATE
OUTPUT_FORMAT
PRIMARY_PROVIDER_CODE
PRIMARY_PROVIDER_DUNS

RETURN_TZ

The additional information shall include:

a. The requested information as defined by the Template indicated in the Query

b. For CSV downloads, the additional header Data Elements required (see section 4.2.7.3)

002-4.2.6.4 Multiple Instances

Certain Query Variables may be repeated in a given Query/Response OASIS Template query string. Such multiple instances are documented in the Template definitions using an asterisk (*) after the Query Variable. When more than one instance of the Query Variable is specified in the query string, OASIS Nodes shall recognize such multiple instances by either the Data Element's full name or alias suffixed with sequential numeric qualifiers starting with the number 1, (e.g., PATH_NAME1=abc&PATH_NAME2=xyz, or PATH1=abc&PATH2=xyz). At least 4 multiple instances will be permitted for each Query Variable marked with an asterisk (*).

002-4.2.6.5 Logical Operations

OASIS Nodes shall use the following logical operations when processing Query Variables for Query/Response OASIS Templates.

a. All Query Variables, with the exception of multiple instances of the same Query Variable Data Element, shall be operated on to return information based on the logical- AND of those Query Variables. For example, the query string "SELLER_CODE=abc &PATH=xyz" should return information associated with only those records that are on transmission path "xyz" AND associated with transmission provider "abc."

b. Multiple instances of the same Query Variable shall be operated on as logical-OR. For example, "SELLER_CODE=abc &PATH1=xyz&PATH2=opq" should return information associated with transmission provider "abc" AND either transmission path "xyz" OR transmission path "opq". Some logical operations may exclude all possibilities, such that the responses may not contain any data.

002-4.2.6.6 Handling of Time Data Elements

a. In cases where a single Query Variable is provided to select information associated with a single Template Data Element that represents a point in time (e.g., TIME_OF_LAST_UPDATE), OASIS Nodes shall return to the User all requested information whose associated Data Element time value (e.g. TIME_OF_LAST_UPDATE) is equal to or later than the value specified by the Query Variable. In this case the stop time is implicitly "now".

b. A pair of Query Variables (e.g. START_TIME_QUEUED and STOP_TIME_QUEUED) that represents the start and stop of a time interval but is associated with one single Template Data Element (e.g. TIME_QUEUED)

shall be handled by OASIS Nodes to return to the User all requested information whose associated Data Element time value falls within the specified time interval.

c. A pair of Query Variables (e.g. START_TIME and STOP_TIME Query Variables) that represents the start and stop of one time interval but is associated with another pair of Template Data Elements (e.g. START_TIME and STOP_TIME of a service offering) that represents a second time interval, shall be handled by OASIS Nodes to return to the User all requested information whose associated Data Element time interval overlaps any portion of the specified time interval. Specifically, the START_TIME Query Variable selects all information whose STOP_TIME Data Element value is later than the START_TIME Query Variable, and the STOP_TIME Query Variable selects all information whose START_TIME Data Element value is earlier than the STOP_TIME Query Variable. For example:

> The ***transoffering*** Template query string "START_TIME 970101000000ES&STOP_TIME 970201000000ES" shall select from the OASIS database all associated offerings whose start/stop times overlap any portion of the time from 00:00 January 1, 1997, to 00:00 February 1, 1997. This would include offerings that (1) started prior to Jan. 1 and stopped any time on or after Jan. 1, and (2) started on or after Jan 1 but before Feb 1

d. For changes to and from daylight savings time, either Universal Time or the correct time and zone must be used, based on whether daylight savings time is in effect.

e. All time values shall be checked upon input to ensure their validity with respect to date, time, time zone, and daylight savings time.

002-4.2.6.7 Default Values

Query Variables that are not specified by the User may take on default values as appropriate for that Query Variable at the discretion of the OASIS TSIP.

002-4.2.6.8 Limitations on Queries

OASIS TSIP may establish validation procedures and/or default values for Query Variables to restrict the size and/or performance impact of overly broad queries.

002-4.2.7 CSV Format

002-4.2.7.1 General Record Format

OASIS Users shall be able to upload information associated with Input/Response OASIS Templates and download information associated with all OASIS Templates using a standardized Comma Separated Value (CSV) format. CSV formatted data is transferred to/from OASIS Nodes as part of the body of an HTTP message using the "**Content-length:"** HTTP header to define the length in bytes of the message body, and the "**Content-type: text/x-oasis-csv"** HTTP header to identify the data type associated with the message body.

CSV formatted data consists of a fixed set of header records followed by a variable number of Data Records. Each record shall be separated by a carriage return plus line feed (denoted by the symbol ↵ in all examples). The fields within a record shall be delimited by commas (,). All data within a CSV formatted message shall use printable ASCII characters with no other special embedded codes, with the exception of the special encoding requirements associated with text fields.

002-4.2.7.2 Input Header Records

The following standard header records are required for the uploading of Input data for all Input/Response OASIS Templates:

VERSION=~~nn.n~~1.4↵
TEMPLATE=aaaaaaaaaa↵
OUTPUT_FORMAT=~~[~~DATA~~]~~ ↵
PRIMARY_PROVIDER_CODE=aaaa↵
PRIMARY_PROVIDER_DUNS=nnnnnnnnn↵
RETURN_TZ=tz~~aa~~↵
DATA_ROWS=nnn↵
COLUMN_HEADERS=[Template Data Element names separated by commas] ↵

The format of the value associated with each of the Input header record Data Elements are dictated by the Data Dictionary. The value associated with the DATA_ROWS Data Element shall define the total number of Data Records that follow in the message after the COLUMN_HEADERS record. The COLUMN_HEADERS record defines, by Data Element name, the data associated with each comma separated column contained in each subsequent Data Record (row). On Input, either the Data Element's full name or alias listed in the Data Dictionary may be specified.

002-4.2.7.3 Response Header Records

When explicitly specified using the OUTPUT_FORMAT=DATA Query Variable or implied by the Input of a CSV format message, the OASIS Nodes shall respond with the following standard response header records for all OASIS Templates:

REQUEST_STATUS=nnn↵
ERROR_MESSAGE=aaa↵
TIME_STAMP=yyyymmddhhmmsstz↵
VERSION=~~nn.n~~1.4↵
TEMPLATE=aaaaaaaaaa↵
OUTPUT_FORMAT=DATA↵
PRIMARY_PROVIDER_CODE=aaaa↵
PRIMARY_PROVIDER_DUNS=nnnnnnnnn↵
RETURN_TZ=tz↵
DATA_ROWS=nnn↵
COLUMN_HEADERS=[Template Data Element names separated by commas] ↵

The format of the value associated with each of the Response header record Data Elements are dictated by the Data Dictionary. The value associated with the DATA_ROWS Data Element shall define the total number of Data Records returned in the message following the COLUMN_HEADERS header record. The COLUMN_HEADERS record defines, by Data Element name, the data associated with each comma-separated column contained in each subsequent Data Record (row). In all OASIS Node responses, the Data Element's full name shall be listed in the COLUMN_HEADERS record. The order of the column headings shall be the same as shown in the Templates for URL uploads and downloads. For graphical displays, the Provider may define the order that the Data Element names are shown.

002-4.2.7.4 Data Records

Data Records immediately follow the standard Input or Response header records. With the exception of Data Records grouped together as a single "logical record" through the use of Continuation Records, each Data Record in a CSV formatted Input message represents a single, complete execution of the associated OASIS Template. That is, sending five CSV formatted Input messages for a given Template to the same PRIMARY_PROVIDER_CODE with a single Data Record per message shall be handled in exactly the same fashion as sending a single CSV formatted Input message for the same Template and PRIMARY_PROVIDER_CODE which contains five Data Records. Each field (column) within each Data Record defines the value to be associated with the corresponding Data Element defined in the COLUMN_HEADERS record. The number of Data Records in the message is defined by the DATA_ROWS header record. The data values associated with each column Data Element are interpreted based on the Data Element type as defined in the Data Dictionary:

a. **Numeric Data Elements:** All numeric Data Elements shall be represented by an ASCII string of numeric digits in base ten, plus the decimal point.

b. **Text Data Elements:** Alphabetic and alphanumeric Data Elements shall be represented as ASCII strings and encoded using the following rules:

- Text strings that do not contain commas (,) or double quotes (") shall be accepted both with and without being enclosed by double quotes.
- Text fields with commas (,) or double quotes (") must be enclosed with double quotes. In addition double quotes within a text field shall be indicated by two double quotes ("").
- The Data Element field length specified in Data Dictionary does not include the additional double quotes necessary to encode text data.

c. **Null Data Elements:** Null Data Elements shall be represented by two consecutive commas (,,) corresponding to the leading and trailing (if appropriate) Data Element comma separators. Null text strings may optionally be represented by two consecutive double quote characters within the leading and trailing comma separators (i.e., Y,"",Y).

002-4.2.7.5 Continuation Records

Continuation records shall be used to indicate that the information in multiple rows (records) is part of one logical record. Continuation records will be indicated through the use of a column header called CONTINUATION_FLAG. This column header is either the first column (if in a response to a query) or second column (if in a response to an input) in all Templates permitting continuation records. The first record shall contain an "N" in the CONTINUATION_FLAG column and each following record which is part of a continuation record shall contain a "Y" in this column, thus associating the information in that record with the information in the previous record. An "N" shall indicate that the record is not a continuation record. In addition to the CONTINUATION_FLAG Data Element identifying that a record is associated with a previous record, any unique record identifier associated with the first (CONTINUATION_FLAG = N) record shall be repeated in all subsequent continuation records returned in an OASIS response. Each Template that supports the use of continuation records and those particular Data Elements (COLUMN_HEADERS) that may be referenced in one or more continuation records are identified in Standards 002-4.3. On upload or input of Template data, any values supplied via continuation records that correspond to COLUMN_HEADERSs other than those explicitly allowed to appear in continuation records for a particular Template shall be ignored. However commas must be included to properly align the fields (columns). Note that the submission of continuation records is only supported by the CSV Format method of uploading data to an Input/Response Template

002-4.2.7.6 Error Handling in CSV-Formatted Responses

a. Validity of each record in the CSV-formatted Response to a Template Input shall be indicated through the use of RECORD_STATUS and ERROR_MESSAGE Data Elements which are included in each Data Record (row) of the Response.

- If no error was encountered in an Input Data Record, the RECORD_STATUS Data Element in the corresponding Response record shall be returned with a value of 200 (success), and the ERROR_MESSAGE shall be blank.
- If any error is detected in processing an Input Data Record, it shall be indicated by a RECORD_STATUS Data Element value other than 200. The ERROR_MESSAGE shall be set to an appropriate text message to indicate the source of the error in that Data Record.

b. The overall validity of each Template Query or Input shall be indicated in the CSV-formatted Response via the two REQUEST_STATUS and ERROR_MESSAGE header records (see Standard 002-4.2.7.3):

- If no errors were encountered in processing the User's Input Data Records, the REQUEST_STATUS shall be returned with the value of 200 (success), and the ERROR_MESSAGE shall be blank.
- If any errors were detected in the Template Input Data Records, the REQUEST_STATUS value shall be any value other than 200, and the ERROR_MESSAGE shall be set to an appropriate text message to indicate the source of the error.

c. The OASIS Node shall validate all Input records before returning a Response to the User. The Node shall process all valid records, while invalid records shall be identified as erroneous through the use of RECORD_STATUS and ERROR_MESSAGE. The User must correct the invalid fields and resubmit only those records that were invalid. If an error is encountered in a record which is part of a set of Continuation records, then all records belonging to that set must be resubmitted.

002-4.2.8 Registration Information

002-4.2.8.1 General

As specified in the Information Access Requirements, OASIS Nodes shall provide a mechanism to register Users of the OASIS Node with a Provider. For all levels of access to OASIS information beyond simple read-only access, OASIS Nodes shall provide a mechanism to identify Users of the OASIS at least to the level of their respective Companies. The OASIS Node shall maintain both Company and User registration information.

002-4.2.8.2 Company Information

OASIS Templates require that certain Company registration information be maintained. As an extension of the Company registration information of the host, domain and port identifiers for dynamic notification of changes in the Customer's purchase requests, a field should be added to the Company's registration information that would define/identify how notification would be delivered to that Company should a transmission or ancillary purchase request be directed to that Company as a Seller of a transmission or ancillary service. The pertinent information would be either a full HTTP protocol URL defining the protocol, host name, port, path, resource, etc. information or a "mailto:" URL with the appropriate mailbox address string. On receipt of any purchase request directed to that Company as SELLER via either the "***transrequest***" or "***ancrequest***" Templates, or on submission of any change in request information submitted to that Company as SELLER via either the "***transcust***" or "***anccust***" Templates, a notification message formatted as documented for the delivery of notification to the Customer, shall be formatted and directed to the Seller. At a minimum, OASIS Nodes shall maintain the following information for each Company:

a. **Company Code**: 4 character code for primary transmission providers; 6 character code for eligible customers in accordance with NERC Tagging Information System (TIS) requirements shall be maintained for each Company.

b. **Default Contact**: Unless specified for each individual user affiliated with the Company, default contact information consisting of a phone number, fax number, and e-mail address shall be maintained for each Company.

c. **Provider Affiliation:** Each eligible Customer shall be obligated to identify to the OASIS TSIP any affiliation with a Transmission Provider whose "home page" is on that OASIS Node.

d. **Notification URL**: For Companies using the URL notification mechanism for delivery of messages on each change of ancillary/transmission reservation STATUS, each Company shall provide the IP host name and port number to be used in delivering notification messages. OASIS Nodes shall have the right to refuse support for notification to any IP ports other than port 80.

002-4.2.8.3 User Information

With the exception of "read-only" (visitor) access, OASIS Nodes shall, at a minimum, provide a mechanism to identify Users of the Node with at least their Company. However, OASIS Nodes and Providers shall have the right to require full User identification even for visitor accounts. To support the required OASIS Template Data Elements, OASIS Nodes shall maintain the following information for each registered User:

- Company
- Name
- Phone
- Fax
- E-mail

In the event no additional User identification/registration information is maintained by the OASIS Nodes, all Template Data Elements referring to "company, name, phone, fax, e-mail" for either Customers or Sellers shall default to the Contact Information maintained for that User's Company.

002-4.2.9 Representation of Time

002-4.2.9.1 General

It is critical that all Users of OASIS Nodes have a clear and unambiguous representation of time associated with all information transferred to/from OASIS Nodes. For this reason, all Data Elements associated with time in OASIS Nodes shall represent "wall clock" times, which are NOT to be confused with other common industry conventions such as "hour ending." For the convenience of the User community, OASIS Nodes shall be allowed to accept the input and display of "time" in any acceptable form provided such non-standard representations are CLEARLY labeled on the associated HTML screens. Alternate representations of time in CSV formatted messages shall not be allowed. The following rules shall be implemented in OASIS Nodes for the representation of time on User entries (Query and Input) and output (Response) Templates.

002-4.2.9.2 Input Time

All time related Data Elements associated with either the Input or Query of Input/Response or Query/Response OASIS Templates shall be validated according the following rules. If the time zone associated with a time Data Element is associated with either Universal Time (UT) or a "standard" time zone (e.g., ES, CS, etc.), OASIS Nodes shall accept and apply a fixed hour offset from Universal Time year-round. If the time zone associated with a time Data Element is specified with a "daylight savings" time zone (e.g. ED, CD, etc.), OASIS Nodes shall verify that daylight savings time is in effect for the date/time specified. If daylight savings time (as specified by the time from

2:00am on the first Sunday of April through 2:00 am on the last Sunday of October) is not in effect, the Users input shall be rejected with an error response. If daylight savings time is in effect, the Users input shall be accepted and the appropriate hours offset from Universal Time shall be applied by OASIS Nodes for conversion to all other time zones. The input of start/stop times for transactions spanning the crossover day between standard and daylight (and vices versa) times must be made either entirely in standard time (valid year-round), or in two different time zones (xS/xD or xD/xS) for the start and stop times, depending on the time of year.

002-4.2.9.3 Output (Response) Time

The OASIS Node shall return all time Data Elements in the response to Input/Response or Query/Response OASIS Templates based on either the User specified RETURN_TZ header Query Variable or an appropriate OASIS specific default. OASIS Nodes shall interpret RETURN_TZ to specify:

a. The base time zone for conversion of all time Data Elements (e.g. Eastern, Pacific, etc.)

b. Whether daylight savings time is recognized. For example, a RETURN_TZ=ES would return all time Data Elements in Eastern Standard Time year-round. However, a RETURN_TZ=ED would direct OASIS Nodes to return all time Data Elements in Eastern Standard Time (ES) when daylight savings time is not in effect, and then return all time Data Elements in Eastern Daylight Time (ED) when daylight time is in effect.

002-4.2.10 Transaction Process

OASIS shall implement Templates that allow Customers and Sellers to enter, modify and consummate arrangements for transmission and ancillary services. In addition to the Template interface defined by these Standards, OASIS shall also provide a browser-based User Interface that implements the same basic functionality provided by the template interface through one or more displays or forms.

The OASIS transaction process is controlled through the transaction REQUEST_TYPE, identifying the type of transaction being conducted, and STATUS, indicating the request's current state in the transaction process. The WEQ 013-2 OASIS Implementation Guide Standard describes in detail the transaction process that must be implemented on OASIS. The Implementation Guide also provides specific requirements and recommendations related to the handling of particular requests form both a technical and business process perspective.

002-4.2.10.1 Request Types

Transmission Customers must submit requests for transmission and ancillary services to OASIS using one of the valid enumerated values in the REQUEST_TYPE data element. The valid values for REQUEST_TYPE are defined in the WEQ 003 Standard, OASIS Data Dictionary. Each REQUEST_TYPE is also defined and its use in the OASIS transaction process

in the WEQ 013-2.1 Standard, OASIS Implementation Guide. The Implementation Guide also describes request type specific requirements.

002-4.2.10.2 Status Values

The STATUS Data Element is used in the OASIS transaction process to control the interaction between Customer and Seller and communicate information regarding the state of the transaction between the parties. The valid values for the STATUS Data Element are enumerated in the WEQ 003 Standard, OASIS Data Dictionary. Definitions for each of the STATUS values and a transaction state transition diagram for the STATUS Data Element is described in detail in the WEQ 013-2.2 Standard, OASIS Implementation Guide.

002-4.2.10.3 Dynamic Notification

Customers may specify the delivery of dynamic notification messages on each change in STATUS or any other Data Element(s) associated with an ancillary or transmission service reservation. OASIS Nodes shall support the delivery of dynamic notification messages through either the HTTP protocol or by electronic mail. The selection of which mechanism is used and the contents of the messages delivered to the client program or e-mail address is defined by the content of the STATUS_NOTIFICATION Data Element as described in the next subsections. Regardless of whether this dynamic notification method is used or not, it shall still remain the User's responsibility to get the desired information, possibly through the use of a periodic "integrity request". OASIS Nodes shall not be obligated or liable to guarantee delivery/receipt of messages via the STATUS_NOTIFICATION mechanism other than on a "best effort" basis. As an extension of the Company registration information of the host, domain and port identifiers for dynamic notification of changes in the Customer's purchase requests, a field should be added to the Company's registration information that would define/identify how notification would be delivered to that Company should a transmission or ancillary purchase request be directed to that Company as a Seller of a transmission or ancillary service. The pertinent information would be either a full HTTP protocol URL defining the protocol, host name, port, path, resource, etc. information or a "mailto:" URL with the appropriate mailbox address string. On receipt of any purchase request directed to that Company as SELLER via either the "***transrequest***" or "***ancrequest***" Templates, or on submission of any change in request STATUS (or any other Data Elements associated with the request) to that Company as SELLER via either the "***transcust***" or "***anccust***" Templates, a notification message formatted as documented for the delivery of notification to the Customer, shall be formatted and directed to the Seller. This extension of dynamic notification is required only where the Transmission Provider has programmed its computer system for its own notification.

002-4.2.10.3.1 HTTP Notification

OASIS Nodes shall deliver dynamic notification to a client system based on HTTP URL information supplied in part by the STATUS_NOTIFICATION Data Element and by information supplied as part of the Customer's Company registration information. HTTP URL's are formed by the concatenation of a

protocol field (i.e., http:), a domain name (e.g., //www.tsin.com), a port designation (e.g., :80), and resource location information.

The STATUS_NOTIFICATION Data Element shall contain the protocol field "http:", which designates the notification method/protocol to be used, followed by all resource location information required; the target domain name and port designations shall be inserted into the notification URL based on the Customer's Company registration information. The resource location information may include directory information, cgi script identifiers and URL encoded query string name/value pairs as required by the Customer's application. An OASIS Node performs no processing on the resource location information other than to include it verbatim along with the protocol, domain name and port information when forming the URL that will be used to deliver the HTTP protocol notification message. For example,

Company XYZ has established the domain name and port designations of "//oasistc.xyz.com:80" as part of their registration information. When a transmission reservation is submitted by one of Company XYZ's users (the Customer), and includes a STATUS_NOTIFICATION Data Element with the value of:

"http:/cgi-bin/status?DEAL_REF=8&REQUEST_REF=173",

aAn OASIS Node shall deliver an HTTP notification message using the URL:

http://oasistc.xyz.com:80/cgi-bin/status?DEAL_REF=8&REQUEST_REF=173

If the STATUS_NOTIFICATION field contained only the "http:" protocol designation, the notification message would be delivered using the URL:

http://oasistc.xyz.com:80

The contents of the HTTP protocol notification message delivered by an OASIS Node shall consist of the complete URL created by combining fields from the STATUS_NOTIFICATION Data Element and Company registration information as part of an HTTP POST method request. In addition to the POST method HTTP header record, OASIS Nodes shall also append the CSV formatted output of the ***transstatus*** Template information for that particular reservation using the standard Content-type: text/x-oasis-csv and appropriate Content-length: HTTP header records. OASIS Nodes shall use a Primary Provider specific default value for RETURN_TZ in formulating the ***transstatus*** response information. Continuing with the previous example, the important records in the HTTP notification message that would be delivered to Company XYZ for the transmission reservation request submitted to Primary Provider ABC and given an ASSIGNMENT_REF of 245 would be:,

POST http://oasistc.xyz.com:80/cgi-bin/status?DEAL_REF=8&REQUEST_REF=173 HTTP/1.0
.
.
Content-type: text/x-oasis-csv

Content-length: <byte count of remainder of message>↲
REQUEST_STATUS=200
TIME_STAMP=~~yyyymmddhhmmsstz~~20070910123010ES↲
~~<appropriate value>~~
VERSION=1.4↲
TEMPLATE=transstatus↲
OUTPUT_FORMAT=DATA↲
PRIMARY_PROVIDER_CODE=ABC↲
PRIMARY_PROVIDER_DUNS=123456789↲
RETURN_TZ= ~~yyyymmddhhmmsstz~~ES↲~~<appropriate value for ABC>~~
DATA_ROWS=1↲
COLUMN_HEADERS=CONTINUATION_FLAG, ASSIGNMENT_REF, . . .
↲
N, 245, . . .↲

In the event an error is encountered delivering the HTTP notification message to the target URL as indicated by a failure of the target system to respond, or return of HTTP response status of 408, 500, 503, or 504, OASIS Nodes shall retry up to two more times, once every 5 minutes.

002-4.2.10.3.2 E-mail Notification

OASIS Nodes shall deliver dynamic notification to an e-mail address based on Mailto: URL information specified in the STATUS_NOTIFICATION Data Element. Mailto: URL's consist of the "mailto:" protocol identifier and an Internet mail address to which the notification message should be sent. The STATUS_NOTIFICATION Data Element shall contain the protocol field "mailto:", which designates the notification method/protocol to be used, followed by an Internet mail address in conformance with RFC 822. OASIS Nodes shall send an e-mail message to the Internet mail address containing the following information: "To:" set to the mail address from the STATUS_NOTIFICATION Data Element, "From:" set to an appropriate mail address of the OASIS Node, "Subject:" shall be the ***transstatus*** Template name followed by the value of the ASSIGNMENT_REF Data Element and the current value for the STATUS Data Element associated with the reservation (e.g., "Subject: ***transstatus*** 245 ACCEPTED"), and the body of the message shall contain the CSV formatted output of the ***transstatus*** Template information for that particular reservation. OASIS Nodes shall use a Primary Provider specific default value for RETURN_TZ in formulating the ***transstatus*** response information.

002-4.2.10.4 Use of Comments

Transmission and ancillary service reservation templates support the following text data elements to be used to communicate information between parties (i.e., transmission provider, seller, and customer) to a transaction:

- PRIMARY_PROVIDER_COMMENTS - for information to be communicated by the primary transmission provider to all other parties
- SELLER_COMMENTS - for information to be communicated by the seller (either primary provider or reseller) to the customer

- CUSTOMER_COMMENTS - for information to be communicated by the customer to the seller
- STATUS_COMMENTS - for information to be communicated by any party to all other parties

Use of these comments fields is at the discretion of the parties to the transaction with the exception that sellers of services must indicate via SELLER_COMMENTS the reason for denial of any request for service (STATUS values of INVALID, REFUSED, or DENIED). Transactions which are subject to displacement, either before or after confirmation (STATUS values of SUPERSEDED or DISPLACED), shall also include a reference to the competing reservation request that initiated the displacement in the SELLER_COMMENTS.

002-4.2.11 Reference Identifiers

a. The TSIP shall assign a unique reference identifier, ASSIGNMENT_REF, for each Customer request to purchase capacity or services. The value of ASSIGNMENT_REF may be used to imply the order in which the request was received by the TSIP. This identifier will be used to track the request through various stages, and will be kept with the service through out its life. Whenever a transaction is modified by a subsequent transaction, a new ASSIGNMENT_REF number is assigned to that subsequent transaction along with a reference to the previous transaction such that a chain of all transactions related to the service can be maintained. These changes create a parent/child relationship between related requests. The TSIP shall use REASSIGNED_REF or RELATED_REF as specified in section 4.2.13 to identify the parent request's ASSIGNMENT_REF and shall increment the IMPACTED counter of the parent request by 1. Reductions to a request posted by the Transmission Provider shall also reference the requests ASSIGNMENT_REF and the TSIP shall increment the IMPACTED counter of the request by 1.

b. The TSIP shall assign a unique reference identifier, POSTING_REF, to each Seller's offerings of service for sale or other information (messages) posted on an OASIS Node. The Seller in any/all subsequent Template submissions~~,~~ that would result in a modification to or deletion of that specific offering or message~~,~~ shall reference this identifier. Optionally, Customers may also refer to this POSTING_REF in their subsequent purchase requests to aid in identifying the specific offering associated with the purchase request.

c. Sellers may aggregate portions of several previous transmission service reservations to create a new offering to be posted on an OASIS Node. When all or a portion of such offerings are sold, the Seller (original Customer) is obligated to notify the Primary Provider of the sale/assignment by inserting appropriate reassignment information on the OASIS Node (via the ***transsell*** or ***transassign*** Templates) or by some other approved method. This reassignment information consists of the ASSIGNMENT_REF value assigned to the original reservation(s) and the time interval and capacity amount(s) being reassigned to the new reservation. These values are retained in the REASSIGNED_REF, REASSIGNED_START_TIME, REASSIGNED_STOP_TIME, and REASSIGNED_CAPACITY Data Elements.

d. Sellers may identify their service offerings received from Customers through the Seller supplied value specified for the SALE_REF Data Element.

e. Customers may track their purchase requests through the Customer supplied values specified for the DEAL_REF and REQUEST_REF Data Elements. Customers may also use POSTING_REF and SALE_REF in their purchase requests to refer back to posted offerings.

002-4.2.12 Linking of Ancillary Services to Transmission Services

The requirements related to ancillary services are shown in ***transoffering*** (and updated using ***transupdate***) using the ANC_SVC_REQ Data Element containing the following permitted values:

SC:x; RV:x; RF:x; EI:x; SP:x; SU:x;

where SC, RV, RF, EI, SP and SU are the ancillary services 1 through 6 described in the Pro fForma Tariff,

- SC - Scheduling, system Control and dispatch
- RV - Reactive supply and Voltage control
- RF - Regulation and Frequency response
- EI - Energy Imbalance
- SP - SPinning reserve
- SU - SUpplemental reserve

and where x={M,R,O,U} means one of the following:

- Mandatory, which implies that the Primary Provider must provide the ancillary service
- Required, which implies that the ancillary service is required, but not necessarily from the Primary Provider
- Optional, which implies that the ancillary service is not necessarily required, but could be provided
- Unknown, which implies that the requirements for the ancillary service are not known at this time

Ancillary services may be requested by a User from the Provider at the same time as transmission services are requested via the ***transrequest*** Template, by entering the special codes into ANC_SVC_LINK to represent the Pro_forma ancillary services 1 through 6 (or more) as follows:

SC:(AA[:xxx[:yyy[:nnn]]]); RV: (AA[:xxx[:yyy[:nnn]]]); RF: (AA[:xxx[:yyy[:nnn]]]);
EI: (AA[:xxx[:yyy[:nnn]]]); SP: (AA[:xxx[:yyy[:nnn]]]); SU: (AA[:xxx[:yyy[:nnn]]]); {Registered}:(AA[:xxx[:yyy[:nnn]]])

where AA is the appropriate PRIMARY_PROVIDER_CODE, SELLER_CODE, or CUSTOMER_CODE, and represents the company providing the ancillary services. "AA" may be unspecified for "xxx" type identical to "FT", in which case the ":" character must be present and precede the "FT" type. If multiple "AA" terms are necessary, then each "AA" grouping will be enclosed within parenthesis, with the overall group subordinate to the AS_TYPE specified within parenthesis and where xxx represents either:

- "FT" to indicate that the Customer will determine ancillary services at a future time, or
- "SP" to indicate that the Customer will self-provide the ancillary services, or

- "RQ" to indicate that the Customer is asking the OASIS Node to initiate the process for making an ancillary services reservation with the indicated Provider or Seller on behalf of the Customer. The Customer must then continue the reservation process with the Provider or Seller. If the transmission services request is for pre-confirmed service, then the ancillary services shall also be pre-confirmed, or
- "AR" to indicate an assignment reference number sequence follows.

The terms "yyy" and "nnn" are subordinate to the xxx type of "AR". yyy represents the ancillary services reservation number (ASSIGMNENT_REF) and nnn represents the capacity of the reserved ancillary services. Square brackets are used to indicate~~d~~ optional elements and are not used in the actual linkage itself. Specifically, the :yyy is applicable to only the "AR" term and the :nnn may optionally be left off if the capacity of ancillary services is the same as for the transmission services, and optionally multiple ancillary reservations may be indicated by additional (xxx[:yyy[:nnn]]) enclosed within parenthesis. If no capacity amount is indicated, the required capacity is assumed to come from the ancillary reservations in the order indicated in the codes, on an "as-needed" basis.

Examples for the handling of ancillary service linkage to transmission service requests/reservations are presented in the OASIS Implementation Guide Standard WEQ 013-4.2.

002-4.2.13 [Deleted]

002-4.2.13.1 [Deleted]

002-4.2.13.2 [Deleted]

002-4.2.13.3 [Deleted]

002-4.2.13.4 [Deleted]

002-4.2.13.5 [Deleted]

002-4.2.13.6 [Deleted]

002-4.2.13.7 [Deleted]

002-4.2.13.8 [Deleted]

002-4.2.13.9 [Deleted]

002-4.2.13.10 [Deleted]

002-4.3 TEMPLATE DESCRIPTIONS

The following OASIS Templates define the Data Elements in fixed number and sequence which must be provided for all data transfers to and from the OASIS Nodes. The definitions of the Data Elements are listed in Open Access Same-Time Information System (OASIS) Data Dictionary WEQ- 003.~~the Data Element~~

~~Dictionary in Appendix A.~~ TSIPs must provide a more detailed supplemental definition of the list of Sellers, Paths, Point of ~~-~~Receipt (POR), Point of Delivery (POD), Capacity Types, Ancillary Service Types and Templates online, clarifying how the terms are being used (see ~~LIST~~ ***list*** Template). If POR and POD are not used, then Path Name must include directionality. Many of the Templates represent query-response interactions between the User and the OASIS Node. These interactions are indicated by the "Query" and "Response" section respectively of each Template. Some, as noted in their descriptions, are Input information, sent from the User to the OASIS Node. The ~~-~~Response is generally a mirror of the Input, although in some Templates, the TSIP must add some ~~-~~information.

002-4.3.1 Template Summary

The following table provides a summary of the process areas, and Templates to be used by Users to query information that will be downloaded or to upload information to the Primary Providers. These ~~-~~processes define the functions that must be supported by an OASIS Node.

Process Area	Process Name	Template(s)
4.3.2 Query/Response of Posted Services Being Offered	Query/Response Transmission Capacity Offerings	transoffering
	Query/Response Ancillary Service Offerings	ancoffering
4.3.3 Query/Response of Services Information	Query/Response Transmission Services	transserv
	Query/Response Ancillary Services	ancserv
4.3.4 Query/Response of Schedule details and Curtailments, Security Events, Reductions, and System Data	Query/Response Transmission Schedules and Curtailments	scheduledetail
	Query/Response Security Events	security
	Query/Response Reductions to Reserved Capacity	reduction
	Query/Response Transmission System Data	systemdata
4.3.5 Query/Response of Lists of Information	Query/Response List of Sellers, Paths, PORs, PODs, Capacity Types, Ancillary Service Types, Templates	list

Process Area	Process Name	Template(s)
4.3.6 Purchase Transmission Services	Request Purchase of Transmission Services (Input)	transrequest
	Query/Response Status of Transmission Service Request	transstatus
	Seller Approves Purchase (Input)	transsell
	Customer Confirm/Withdraw Purchase of Transmission Service (Input)	transcust
	Seller Reassign Rights (Input)	transassign
4.3.7 Seller Posting of Transmission Service	Seller Post Transmission Service for Sale (Input)	transpost
	Seller Modify (Remove) Transmission Service for Sale (Input)	transupdate
4.3.8 Purchase of Ancillary Service	Request Purchase of Ancillary Service (Input)	ancrequest
	Query/Response Status of Ancillary Service Request	ancstatus
	Seller Approves Purchase of Ancillary Service (Input)	ancsell
	Customer Accept/Withdraw Purchase of Ancillary Service (Input)	anccust
	Seller Reassign Rights (Input)	ancassign
4.3.9 Seller Post Ancillary Service	Seller Post Ancillary Service (Input)	ancpost
	Seller Modify (Remove) Ancillary Service for Sale (Input)	ancupdate
4.3.10 Informal Messages	Post Want Ads (Input)	messagepost
	Query/Response Want Ads	message
	Delete Want Ad (Input)	messagedelete
	Personnel Transfers	personnel

Process Area	Process Name	Template(s)
	Discretion	discretion
	Standards of Conduct	stdconduct
4.3.11 Audit Log	Query/Response Audit Log	(various)

002-4.3.2 Query/Response of Posted Services Being Offered

The following Templates define the information to be posted on services offered for sale. All discounts for service negotiated by a Customer and Primary Provider (as Seller) at a price less than the currently posted offering price shall be posted on OASIS Nodes in such a manner as to be viewed using these Templates. All secondary market and/or third-party posting and Primary Provider offerings for like services shall also be viewed using these Templates. The Query must start with the standard header Query Variable Data Elements, listed in Section 4.2.6.2, and may include any valid combination of the remaining Query Variables, shown below in the Templates. START_TIME and STOP_TIME is the requested time interval for the Response to show all offerings which intersect that interval (see Section 4.2.6.6). TIME_OF_LAST_UPDATE can be used to specify all services updated since a specific point in time. Query variable listed with an asterisk (*) can have at least 4 multiple instances defined by the user in making the query. In the Response, OFFER_START_TIME and OFFER_STOP_TIME indicate the "request time window" within which a customer must request a service in order to get the posted OFFER_PRICE. START_TIME and STOP_TIME indicate the time frame that the service is being offered ~~for~~. The SERVICE_DESCRIPTION Data Element shall define any attributes and/or special terms and conditions applicable to the offering that are not listed under the standard SERVICE_DESCRIPTION associated with the product definition supplied in the ***transserv*** or ***ancserv*** Templates. SERVICE_DESCRIPTION shall be null if there are no unique attributes or terms associated with the offering.

002-4.3.2.1 Transmission Capacity Offerings Available for Purchase (transoffering)

Transmission Services Offerings Available for Purchase (***transoffering***) is used to view transmission services posted for sale by the Primary Provider or Resellers. At a minimum this Template must be used to view each increment and type of service required to be offered under applicable regulations and the Primary Provider's tariffs. The POSTING_REF is set by the TSIP when an offering is posted and can be used in ***transrequest*** to refer to a particular offering. A User may query information about services available from all sellers for the time frame specified by the SERVICE_INCREMENT Data Element, namely, hourly, daily, weekly, monthly, or yearly.

Template: **transoffering**

1. **Query**
   PATH_NAME*
   SELLER_CODE*
   SELLER_DUNS*

POINT_OF_RECEIPT*
POINT_OF_DELIVERY*
SERVICE_INCREMENT*
TS_CLASS*
TS_TYPE*
TS_PERIOD*
TS_WINDOW*
TS_SUBCLASS*
START_TIME (of transmission services)
STOP_TIME (of transmission services)
POSTING_REF
TIME_OF_LAST_UPDATE

2. **Response**

The response is one or more records showing the requested service information. Note that the Customer will receive as a series of records spanning all the SELLER_CODEs, –PATH_NAMEs, PORs, PODs, TS_xxx, and the START_TIME/STOP_TIME specified –in the query. The SALE_REF is a value provided by the SELLER to identify the transmission service product being sold. The ANC_SVC_REQ indicates all ancillary services required for the specified transmission services. All Template elements are defined in the Data Element Dictionary.

TIME_OF_LAST_UPDATE
SELLER_CODE
SELLER_DUNS
PATH_NAME
POINT_OF_RECEIPT
POINT_OF_DELIVERY
INTERFACE_TYPE
OFFER_START_TIME
OFFER_STOP_TIME
START_TIME
STOP_TIME
CAPACITY (If null, then look in seller comments for information-.)
SERVICE_INCREMENT
TS_CLASS
TS_TYPE
TS_PERIOD
TS_WINDOW
TS_SUBCLASS
ANC_SVC_REQ
SALE_REF
POSTING_REF
CEILING_PRICE
OFFER_PRICE
PRICE_UNITS
SERVICE_DESCRIPTION (if null, then look at *transserv*)
NERC_CURTAILMENT_PRIORITY
OTHER_CURTAILMENT_PRIORITY
SELLER_NAME
SELLER_PHONE

SELLER_FAX
SELLER_EMAIL
SELLER_COMMENTS

002-4.3.2.2 Ancillary Services Available for Purchase (ancoffering)

Ancillary Services Available for Purchase (***ancoffering***) is used to provide information regarding the ancillary services that are available for sale by all sellers (both Primary Provider and Third Party Sellers).

Template: **ancoffering**

1. **Query**

   SELLER_CODE*
   SELLER_DUNS*
   CONTROL_AREA*
   SERVICE_INCREMENT*
   AS_TYPE*
   START_TIME
   STOP_TIME
   POSTING_REF
   TIME_OF_LAST_UPDATE

2. **Response**

   TIME_OF_LAST_UPDATE
   SELLER_CODE
   SELLER_DUNS
   CONTROL_AREA
   OFFER_START_TIME
   OFFER_STOP_TIME
   START_TIME
   STOP_TIME
   CAPACITY
   SERVICE_INCREMENT
   AS_TYPE
   SALE_REF
   POSTING_REF
   CEILING_PRICE
   OFFER_PRICE
   PRICE_UNITS
   SERVICE_DESCRIPTION (if blank, then look at *ancserv*)
   SELLER_NAME
   SELLER_PHONE
   SELLER_FAX
   SELLER_EMAIL
   SELLER_COMMENTS

002-4.3.3 Query/Response of Services Information

002-4.3.3.1 Transmission Services (transserv)

Transmission Services (***transserv***) is used to provide additional information regarding the transmission services SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_SUBCLASS, TS_WINDOW, NERC_CURTAILMENT_PRIORITY, and OTHER_CURTAILMENT_PRIORITY that are available for sale by a Provider in the Templates in Section 4.3.2. This Template is used to summarize Provider tariff information for the convenience of the User. The Provider also sets PRICE_UNITS with this Template.

Template: **transserv**

1. **Query**

   TIME_OF_LAST_UPDATE

2. **Response**

   TIME_OF_LAST_UPDATE
   SERVICE_INCREMENT
   TS_CLASS
   TS_TYPE
   TS_PERIOD
   TS_WINDOW
   TS_SUBCLASS
   CEILING_PRICE
   PRICE_UNITS
   SERVICE_DESCRIPTION
   NERC_CURTAILMENT_PRIORITY
   OTHER_CURTAILMENT_PRIORITY
   TARIFF_REFERENCE

002-4.3.3.2 Ancillary Services (ancserv)

Ancillary Services (***ancserv***) is used to provide additional information regarding the ancillary services that are available for sale by a Provider in the Templates in Section 4.3.2. This Template is used to summarize Provider tariff information for the convenience of the User. The Provider also sets PRICE_UNITS with this Template.

Template: **ancserv**

1. **Query**

   TIME_OF_LAST_UPDATE

2. **Response**

   TIME_OF_LAST_UPDATE
   SERVICE_INCREMENT
   AS_TYPE
   CEILING_PRICE

PRICE_UNITS
SERVICE_DESCRIPTION
TARIFF_REFERENCE

002-4.3.4 Query/Response of Schedules and Curtailments, Security Events, Reductions, and System Data

002-4.3.4.1 Transaction Schedule (scheduledetail)

Transaction Schedule (***scheduledetail***) provides information on the scheduled uses of the Provider's transmission system and any curtailments or interruption thereof. Posting of transmission service schedule information shall be in accordance with regulatory requirements, and reflect scheduled uses of reserved capacity to a level of detail that such schedules are subject to a Provider's application of transmission security procedures and policies regarding curtailment and interruptions. There is no restriction on the number of transaction schedule records that may refer to a given transmission reservation at a given point in time.

The Query Variables ASSIGNMENT_REF, SELLER_CODE, SELLER_DUNS, CUSTOMER_CODE, CUSTOMER_DUNS, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, and TS_PERIOD act to select those transmission reservations for which all applicable transaction schedule information is to be returned. The PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY Query Variables select all applicable interchange transaction schedule records that use the specified path, point of receipt, and/or point of delivery. The TIME_OF_LAST_UPDATE, START_TIME, and STOP_TIME Query Variables select those particular interchange transaction schedule records updated and/or effective: 1) on or after a particular point in time (START_TIME alone), 2) before a particular point in time (STOP_TIME alone), or 3) between particular points in time (START_TIME and STOP_TIME). The TRANSACTION_ID Query Variable selects all applicable schedule information records associated with that particular schedule. Note that the format of TRANSACTION_ID may be Transmission Provider specific.

Each ***scheduledetail*** Template record returned in response to a query shall include information associated with:

1. information specifically related to the scheduled transaction,
2. information from all applicable OASIS transmission reservations used to support the scheduled interchange transaction, and
3. information related to any curtailment or interruption of service (if applicable), including a Transmission Provider's refusal to accept or begin a Customer's proposed interchange transaction for reliability or economic reasons (as allowed by the Provider's Tariff).

Information to be supplied in each ***scheduledetail*** Template's response records related to the scheduled interchange are, SCHEDULE_REF, TRANSACTION_ID, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, GCA_CODE, LCA_CODE, SOURCE, SINK, SCHEDULE_PRIORITY, START_TIME, STOP_TIME, SCHEDULE_REQUESTED, and SCHEDULE_GRANTED.

The posting and availability of schedule and curtailment information on OASIS shall be in accordance with FERC Policy.

SCHEDULE_REF uniquely identifies a particular posting of schedule information. SCHEDULE_REF would vary with each record of data returned in response to a ***scheduledetail*** query. TRANSACTION_ID, if applicable/available, contains a unique identifier associated with an interchange transaction that may span multiple SCHEDULE_REF records. When available or applicable, the TRANSACTION_ID Data Element should reflect any industry-recognized transaction identifier rather than a Provider specific internal identifier (e.g., the NERC electronic tagging "tag-id"). PATH_NAME, POINT_OF_RECEIPT, and POINT_OF_DELIVERY identify the Transmission Provider's specific transmission resources used by the scheduled transaction, and would typically be identical to the corresponding Data Elements associated with the OASIS transmission reservation used to support the schedule. When known, the GCA_CODE and LCA_CODE identify the NERC registered Control Area acronyms associated with the ultimate generation and load control areas respectively. When known or required to more specifically identify the ultimate points of generation and load, the SOURCE and SINK elements identify service points within the generation and load Control Areas respectively. SCHEDULE_PRIORITY identifies the relative priority of this particular interchange transaction as compared to all other scheduled transactions with respect to the application of curtailments or interruptions. SCHEDULE_PRIORITY would typically reflect the curtailment priority Data Elements associated with the OASIS transmission reservation used to support the schedule (i.e., NERC_CURTAILMENT_PRIORITY or OTHER_CURTAILMENT_PRIORITY). START_TIME and STOP_TIME designate the particular time interval represented by this record associated with the scheduled transaction. Note that multiple response records may be returned for a given scheduled transaction when information associated with the schedule vary over time (e.g., SCHEDULE_REQUESTED, SCHEDULE_GRANTED, SCHEDULE_LIMIT, etc.), but that ***scheduledetail*** Template response records for a given scheduled transaction should never overlap in time. SCHEDULE_REQUESTED reflects the MW value requested to be scheduled by the Customer during the hour, and SCHEDULE_GRANTED reflects the MW value actually scheduled by the Transmission Provider at either the point of receipt or delivery, whichever is larger, over the START_TIME/STOP_TIME time interval. When SCHEDULE_REQUESTED exceeds SCHEDULE_GRANTED, a curtailment or interruption is in effect and additional information shall be returned in the record.

Information in each ***scheduledetail*** Template's response record related to the OASIS transmission reservation(s) supporting the scheduled transaction includes ASSIGNMENT_REF, SELLER_CODE, SELLER_DUNS, CUSTOMER_CODE, CUSTOMER_DUNS, AFFILIATE_FLAG, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS, NERC_CURTAILMENT_PRIORITY, OTHER_CURTAILMENT_PRIORITY, and CAPACITY_USED. Transaction schedules that are supported by the use of multiple OASIS transmission reservations return the information attributable to each individual transmission reservation using continuation records (i.e., records beginning with CONTINUATION_FLAG = 'Y'). Each continuation record shall also include the SCHEDULE_REF identifier from the first (CONTINUATION_FLAG = 'N') record. CAPACITY_USED reflects the peak MW amount of the reservation used to support the scheduled transaction; the sum of CAPACITY_USED over

all continuation records (if applicable) should equal the SCHEDULE_GRANTED.

Transaction schedules that were either “denied or interrupted” (ref. 18 CFR 37.6(a)(4)) shall include information in the ***scheduledetail*** Template’s response related to the reason the transaction could not be started or continued at the requested MW amount. The information returned shall include: PROVIDER_ACTION, SCHEDULE_LIMIT, CURTAILMENT_OPTIONS, SECURITY_REF, INITIATING_PARTY, RESPONSIBLE_PARTY, PROCEDURE_NAME, PROCEDURE_LEVEL, FACILITY_LOCATION, FACILITY_NAME, FACILITY_CLASS, and FACILITY_LIMIT_TYPE. If there are no restrictions to the scheduled transaction, these Data Elements shall all be returned as null.

PROVIDER_ACTION indicates the particular action taken by the Transmission Provider with respect to the scheduled transaction; specific values to be returned are, DENIED if the schedule was not started as requested, CURTAILED if the scheduled MW was limited for reliability reasons, or INTERRUPTED if the scheduled MW was limited for economic reasons. SCHEDULE_LIMIT reflects the **maximum** MW value over the START_TIME/STOP_TIME interval that the Provider has determined can be scheduled. CURTAILMENT_OPTIONS defines any options the Customer may exercise to reinstate all or part of the proposed schedule. SECURITY_REF, INITIATING_PARTY, RESPONSIBLE_PARTY, PROCEDURE_NAME, PROCEDURE_LEVEL, FACILITY_NAME, FACILITY_CLASS, and FACILITY_LIMIT_TYPE provide information related to the specific transmission security event that prompted the Transmission Provider’s denial, curtailment or interruption of the proposed scheduled transaction (see ***security*** Template).

Template: ***scheduledetail***

1. **Query**

   PATH_NAME*
   SELLER_CODE*
   SELLER_DUNS*
   CUSTOMER_CODE*
   CUSTOMER_DUNS*
   POINT_OF_RECEIPT*
   POINT_OF_DELIVERY*
   SERVICE_INCREMENT*
   TS_CLASS*
   TS_TYPE*
   TS_PERIOD*
   TS_WINDOW*
   TS_SUBCLASS*
   START_TIME
   STOP_TIME
   TIME_OF_LAST_UPDATE
   ASSIGNMENT_REF
   TRANSACTION_ID

2. **Response**

CONTINUATION_FLAG
TIME_OF_LAST_UPDATE
SCHEDULE_REF
TRANSACTION_ID
    PATH_NAME
    POINT_OF_RECEIPT
    POINT_OF_DELIVERY
    GCA_CODE
    LCA_CODE
    SOURCE
    SINK
    SCHEDULE_PRIORITY
START_TIME
STOP_TIME
SCHEDULE_REQUESTED
SCHEDULE_GRANTED
ASSIGNMENT_REF
    SELLER_CODE
    SELLER_DUNS
    CUSTOMER_CODE
    CUSTOMER_DUNS
    AFFILIATE_FLAG
    SERVICE_INCREMENT
    TS_CLASS
    TS_TYPE
    TS_PERIOD
    TS_WINDOW
    TS_SUBCLASS
    NERC_CURTAILMENT_PRIORITY
    OTHER_CURTAILMENT_PRIORITY
    CAPACITY_USED
(if the transaction is subject to curtailment:)
PROVIDER_ACTION
SCHEDULE_LIMIT
CURTAILMENT_OPTIONS
SECURITY_REF
    INITIATING_PARTY (e.g., CA/TP code)
    RESPONSIBLE_PARTY (e.g., SC code)
    PROCEDURE_NAME (e.g., "NERC TLR", or registered)
    PROCEDURE_LEVEL (e.g., "2a", "3")
    FACILITY_LOCATION (e.g., "INTERNAL" or "EXTERNAL")
    FACILITY_NAME
    FACILITY_CLASS (e.g., transformer, etc.)
    FACILITY_LIMIT_TYPE (e.g., thermal, stability, etc.)

002-4.3.4.2 Security Event (security)

Security Event (***security***) provides information on transmission security/reliability events that may impact the Provider's ability to schedule transactions. The TIME_OF_LAST_UPDATE, START_TIME, and STOP_TIME

Query Variables select those particular security event postings updated and/or effective: 1) on or after a particular point in time (START_TIME alone), 2) before a particular point in time (STOP_TIME alone), or 3) between particular points in time (START_TIME and STOP_TIME).

The SECURITY_REF Data Element is a unique identifier assigned to each posting of security related information; SECURITY_REF would vary with each record of data returned in response to a ***security*** query. The EVENT_ID Data Element, when available, should reflect any regional or interconnection-wide recognized security event identifier for events that are of greater scope than those administered locally by the Provider (e.g., a NERC ~~Security~~ Reliability Coordinator assigned identifier corresponding to a particular implementation of the NERC TLR procedure). SECURITY_TYPE identifies the type of information posted for the event; restricted values are OUTAGE for postings reflecting the state of critical transmission facilities, and LIMIT for postings reflecting the implementation of security procedures to limit or reduce scheduled transactions. The INITIATING_PARTY identifies by ~~Control~~ Balancing Area, ~~Security~~ Reliability Coordinator or Transmission Provider code the entity calling for the “outage” or “limit”, and RESPONSIBLE_PARTY identifies the entity (~~Control~~ Balancing Area, Transmission Provider, or ~~Security~~ Reliability Coordinator) responsible for administering any resulting security procedure that may be instituted.

PROCEDURE_NAME and PROCEDURE_LEVEL reflect the specific security procedure and, if applicable, the step, stage, or level within that procedure being implemented by RESPONSIBLE_PARTY (e.g., NERC TLR is a recognized security procedure, and level “2a” is a step within that procedure). FACILITY_NAME, FACILITY_CLASS, and FACILITY_LIMIT_TYPE provide specific information related to the impacted transmission facility. FACILITY_LOCATION identifies if the impacted facility is "INTERNAL" or "EXTERNAL" relative to the Transmission Provider’s scope of authority over the named facility.

START_TIME and STOP_TIME reflect the period of time encompassed by the particular security event posted. In cases where a security procedure is invoked and then progresses through various levels or stages, there shall be separate postings for each of those stages declared by RESPONSIBLE_PARTY with START_TIME and STOP_TIME reflecting the period of time each specific level of the procedure was in effect.

The use of the ***security*** Template to convey information related to major transmission facility outages (SECURITY_TYPE = OUTAGE) is at the discretion of the Provider. Its definition in this Template is intended to formalize the posting of facility outage information in an OASIS Template structure where such information prior to implementation of this Template had been posted in a free-form manner.

Template: ***security***

1. **Query**

   START_TIME
   STOP_TIME

TIME_OF_LAST_UPDATE
SECURITY_REF
EVENT_ID
SECURITY_TYPE
INITIATING_PARTY
RESPONSIBLE_PARTY
PROCEDURE_NAME
FACILITY_CLASS
FACILITY_LIMIT_TYPE
FACILITY_LOCATION

2. **Response**

TIME_OF_LAST_UPDATE
SECURITY_REF
EVENT_ID
SECURITY_TYPE ("LIMIT" or "OUTAGE")
INITIATING_PARTY (e.g., CA/TP code)
RESPONSIBLE_PARTY (e.g., SC code)
PROCEDURE_NAME (e.g., "NERC TLR", or registered)
PROCEDURE_LEVEL (dependent on PROCEDURE_NAME)
FACILITY_CLASS (e.g., "FLOWGATE", "LINE", etc.)
FACILITY_LIMIT_TYPE (e.g., "THERMAL", "STABILITY", etc.)
FACILITY_LOCATION ("INTERNAL" or "EXTERNAL")
FACILITY_NAME (e.g., path or flowgate name)
START_TIME
STOP_TIME

002-4.3.4.3 Transmission Reservation Reduction (reduction)

The Transmission Reservation Reduction (***reduction***) Template provides information related to the reduction in the Transmission Customer's rights to schedule use of all or a portion of capacity reserved for a given transmission reservation. Specific cases where such a reduction in reserved capacity would be returned in response to this query Template include: secondary market sales (as posted using the ***transassign*** or ***transsell*** Templates via the REASSIGNED_REF, etc., Data Elements), a Transmission Provider's interruption of the reservation to accommodate higher priority reservations over the interruption interval (partial displacement), etc.

The ASSIGNMENT_REF Query Variable is required and specifies the transmission reservation whose reductions in reserved capacity (if any) are to be returned. The START_TIME and STOP_TIME Query Variables allow the user to select the specific time interval over which the reductions in reserved capacity are to be returned (e.g., return all reductions in June for a year long reservation); by default all reductions over the life of the reservation are returned.

In response to a ***reduction*** Template query, each primary record returned (CONTINUATION_FLAG = N) shall include the ASSIGNMENT_REF, CAPACITY_GRANTED and CAPACITY_AVAILABLE in MWs over the interval from START_TIME to STOP_TIME. CAPACITY_AVAILABLE is derived from the transmission reservation's CAPACITY_GRANTED less all reductions (if

any) in reserved capacity over the interval from START_TIME to STOP_TIME as specified in the CAPACITY_REDUCED (as negative valued MWs) Data Element. The REDUCTION_TYPE, and REDUCTION_REASON Data Elements describe the circumstances and IMPACTING_REF references the associated transmission reservation (if applicable) that caused the reduction in capacity.

If no reductions in reserved capacity have been posted against the reservation, CAPACITY_AVAILABLE will equal CAPACITY_GRANTED and the REDUCTION_TYPE, REDUCTION_REASON, IMPACTING_REF and CAPACITY_REDUCED Data Elements will be null. This response information is equivalent to the CAPACITY_GRANTED, START_TIME, and STOP_TIME information that would be returned on execution of the ***transstatus*** Template.

If the CAPACITY_AVAILABLE over the interval from START_TIME to STOP_TIME is the result of more than one action reducing reserved capacity (e.g., multiple secondary market sales for the same time period), each action reducing capacity will be returned in continuation records (CONTINUATION_FLAG = Y) containing the ASSIGNMENT_REF, REDUCTION_TYPE, REDUCTION_REASON, IMPACTING_REF and CAPACITY_REDUCED Data Elements. If the action is another reservation (e.g. secondary market sale) the REASSIGNED_CAPACITY from that reservation will be shown as a negative value in CAPACITY_REDUCED.

Template: ***reduction***

1. **Query**

   START_TIME
   STOP_TIME
   ASSIGNMENT_REF* (must be specified)

2. **Response**

   CONTINUATION_FLAG
   ASSIGNMENT_REF
   CAPACITY_GRANTED
   CAPACITY_AVAILABLE
   START_TIME
   STOP_TIME
   REDUCTION_TYPE (e.g., REDIRECT, INTERRUPTION, RESALE, DISPLACEMENT, etc.)
   REDUCTION_REASON
   IMPACTING_REF (if applicable)
   CAPACITY_REDUCED

002-4.3.4.4 System Data (systemdata)

The System Data (***systemdata*)** Template is used to query specific, time varying data that is posted on a PATH, POINT_OF_RECEIPT, and/or POINT_OF_DELIVERY basis. The SYSTEM_ATTRIBUTE Data Element defines the type of information returned in the Template response. The restricted values for SYSTEM_ATTRIBUTE are,

- CBM – Capacity Benefit Margin
- TRM – Transmission Reliability Margin
- TTC – Total Transmission Capability
- NATC – Non-recallable (Firm) Available Transmission Capability
- RATC – Recallable (Non-firm) Available Transmission Capability
- {registered} – Provider specific registered name for the data posted

Transmission Providers obligated to post values for one or more of the defined SYSTEM_ATTRIBUTEs on specific transmission paths over time (e.g., hourly, then daily, etc.) as called forth in FERC regulations shall return these posted values via the ***systemdata*** Template. If SYSTEM_ATTRIBUTE is omitted in the query, then all attributes defined by the transmission provider are returned, subject to the other query attributes constraints. A given SYSTEM_ATTRIBUTE may take on only one value at any given point in time. Note that TTC and ATC information may also be viewed using the ***transoffering*** Template at the Transmission Provider's discretion. Offers of service posted by Primary Providers as viewed with the ***transoffering*** Template should reflect the applicable ATC(s) posted via ***systemdata*** in the CAPACITY Data Element.

Template**: systemdata**

1. **Query**

   PATH_NAME*
   POINT_OF_RECEIPT*
   POINT_OF_DELIVERY*
   SYSTEM_ATTRIBUTE*
   START_TIME
   STOP_TIME
   TIME_OF_LAST_UPDATE

2. **Response (acknowledgment)**

   POSTING_REF
   PATH_NAME
   POINT_OF_RECEIPT
   POINT_OF_DELIVERY
   SYSTEM_ATTRIBUTE
   START_TIME
   STOP_TIME
   ATTRIBUTE_VALUE
   ATTRIBUTE_UNITS
   TIME_OF_LAST_UPDATE

002-4.3.5 Query/Response of Lists of Information

002-4.3.5.1 List (list)

List (***list***) is used to provide lists of valid names. The minimum set of lists is LIST, SELLER_CODE, PATH_NAME, POINT_OF_RECEIPT,

POINT_OF_DELIVERY, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_SUBCLASS, TS_WINDOW, NERC_CURTAILMENT_PRIORITY, REQUEST_TYPE, ANC_SERVICE_POINT, FACILITY_CLASS, FACILITY_LIMIT_TYPE, PROCEDURE_NAME, SYSTEM_ATTRIBUTE, SECURITY_TYPE, FACILITY_LOCATION, OTHER_CURTAILMENT_PRIORITY, AS_TYPE, CATEGORY, and TEMPLATE. The information returned by the ***list*** Template may be used as values for the associated OASIS Data Elements to query information, post or request services.

Template: **list**

1. **Query**

   LIST_NAME
   TIME_OF_LAST_UPDATE

2. **Response**

   TIME_OF_LAST_UPDATE
   LIST_NAME
   LIST_ITEM
   LIST_ITEM_DESCRIPTION

002-4.3.6 Purchase Transmission Services

The following Templates shall be used by Customers and Sellers to transact purchases of services.

002-4.3.6.1 Customer Capacity Purchase Request (transrequest)

The **Customer Capacity Purchase Request** (Input) (***transrequest***) is used by the Customer to request the purchase of transmission services or request changes to previously submitted reservations for transmission services. The response simply acknowledges that the Customer's request was received by the OASIS Node. It does not imply that the Seller has received the request. Inputting values into the reference Data Elements is optional.

CUSTOMER_CODE and CUSTOMER_DUNS shall be determined from the registered connection used to input the request.

Supporting "profiles" of service, which request different capacities (and optionally price) for different time periods within a single request, is at the discretion of the Primary Provider. Continuation records may be used to indicate requests for these service profiles; use of continuation records is only supported when using the CSV Format upload of Template data. Each segment of a profile is represented by the Data Elements CAPACITY_REQUESTED, START_TIME, and STOP_TIME, which define the intervals in time over which a non-zero MW demand is being requested. The initial segment of a profile is defined by the CAPACITY_REQUESTED, START_TIME and STOP_TIME Data Elements specified in the first/only record submitted; subsequent segments are specified in continuation records each containing the appropriate CAPACITY_REQUESTED, START_TIME and

STOP_TIME values defining the segment. Provider's may optionally support price negotiation on segments of a profiled reservation request. In this case, the BID_PRICE Data Element is also included in each continuation record. If the BID_PRICE Data Element is not specified in the continuation records, the BID_PRICE specified in the first/only record submitted will be applied to the entire reservation request.

For requesting transmission services which include multiple paths, the following fields may be specified using continuation records: PATH_NAME, POINT_OF_RECEIPT, and POINT_OF_DELIVERY. Supporting multiple paths or multiple POINT_OF_RECEIPT and POINT_OF DELIVERY is at the discretion of the Provider.

The START_TIME and STOP_TIME indicate the requested period of service.

When the request is received at the OASIS Node, the TSIP assigns a unique ASSIGNMENT_REF value and queues the request with a time stamp. The STATUS for the request is QUEUED. The IMPACTED counter is initially set to 0. If the new request is not modifying an existing reservation (as indicated by a null value for the RELATED_REF Data Element) and the SELLER is the Primary Provider, REQUEST_TYPE must either be specified as "ORIGINAL" or be left null and OASIS will substitute the default value of "ORIGINAL". If the new request is not modifying an existing reservation and the SELLER is not the Primary Provider, REQUEST_TYPE must either be specified as "RESALE" or be left null and OASIS will substitute the default value of "RESALE".

If the new request is modifying an existing transmission reservation, the Data Elements REQUEST_TYPE and RELATED_REF must be entered. RELATED_REF contains the ASSIGNMENT_REF for the transmission reservation being modified, and REQUEST_TYPE must be one of MATCHING, REDIRECT, DEFERRAL, RENEWAL, RELINQUISH, or a Primary Provider registered value.

Specification of a value YES in the PRECONFIRMED field authorizes the TSIP to automatically change the STATUS field in the ***transstatus*** Template to CONFIRMED when that request is ACCEPTED by the Seller.

Template: **transrequest**

1. **Input**

   CONTINUATION_FLAG
   SELLER_CODE (Primary or Reseller)
   SELLER_DUNS
   PATH_NAME
   POINT_OF_RECEIPT
   POINT_OF_DELIVERY
   SOURCE
   SINK
   CAPACITY_REQUESTED
   SERVICE_INCREMENT
   TS_CLASS
   TS_TYPE

TS_PERIOD
TS_WINDOW
TS_SUBCLASS
STATUS_NOTIFICATION
START_TIME
STOP_TIME
BID_PRICE
PRECONFIRMED
ANC_SVC_LINK
POSTING_REF (Optionally set by Customer)
SALE_REF (Optionally set by Customer)
REQUEST_REF (Optionally set by Customer)
DEAL_REF (Optionally set by Customer)
CUSTOMER_COMMENTS
REQUEST_TYPE (Required for request changes)
RELATED_REF (Required for request changes)

2. **Response** (acknowledgment)

RECORD_STATUS
CONTINUATION_FLAG
ASSIGNMENT_REF (assigned by TSIP)
SELLER_CODE
SELLER_DUNS
PATH_NAME
POINT_OF_RECEIPT
POINT_OF_DELIVERY
SOURCE
SINK
CAPACITY_REQUESTED
SERVICE_INCREMENT
TS_CLASS
TS_TYPE
TS_PERIOD
TS_WINDOW
TS_SUBCLASS
STATUS_NOTIFICATION
START_TIME
STOP_TIME
BID_PRICE
PRECONFIRMED
ANC_SVC_LINK
POSTING_REF
SALE_REF
REQUEST_REF
DEAL_REF
CUSTOMER_COMMENTS
REQUEST_TYPE
RELATED_REF
ERROR_MESSAGE

002-4.3.6.2 Status of Customer Purchase Request (transstatus)

The **Status of Customer Purchase Request** (***transstatus***) is provided upon the request of any Customer or Provider to indicate the current status of one or more reservation records. Users may also view any transaction's status. However, the SOURCE and SINK may be masked for User requests until Transmission Providers must make source and sink information available at the time the request status posting is updated to show that a transmission request is confirmed.

Continuation records may be returned in association with a transmission reservation to convey information regarding: 1) sale or assignment of transmission rights on the secondary market (reassignments), 2) profiled requests, or 3) service over multiple paths Each continuation record associated with a transmission reservation shall be identified by the CONTINUATION_FLAG Data Element set to 'Y' and include the ASSIGNMENT_REF Data Element.

When a transmission reservation request acquires its rights to transmission service as the result of a sale or assignment of transmission rights on the secondary market, the identity of the original reservation, capacity, and time interval over which rights are assigned to the new reservation are defined by the Data Elements REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME. These Data Elements will be returned in continuation records when more than one set of reassignment information is associated with a reservation.

If the transmission reservation has an associated profile, either as a result of the submission of CAPACITY_REQUESTED varying over time (support for Customer reservation profiles is at the discretion of the Provider) or due to the Provider offering partial service specifying a CAPACITY_GRANTED varying over time, then CAPACITY_GRANTED, CAPACITY_REQUESTED, START_TIME and STOP_TIME for the segments of the profile will be returned in continuation records. If the Provider supports negotiation of price on each segment of a Customer profiled request, BID_PRICE and OFFER_PRICE will also be returned with CAPACITY_REQUESTED, CAPACITY_GRANTED, START_TIME and STOP_TIME.

If the Provider supports reservations submitted on multiple paths, continuation records specifying PATH_NAME, POINT_OF_RECEIPT, and POINT_OF_DELIVERY associated with the reservation would be returned in continuation records.

The AFFILIATE_FLAG will be set by the TSIP to indicate whether or not the Customer is an affiliate of the Primary Provider. The NEGOTIATED_PRICE_FLAG will be set by the TSIP to indicate whether the OFFER_PRICE is higher, lower, or the same as the BID_PRICE. Any time that a confirmed transmission reservation's rights to schedule up to the amount of CAPACITY_GRANTED is reduced, either due to secondary market sales, partial displacements, Provider initiated "recalls" of capacity, etc., the IMPACTED Data Element shall be incremented. Specific information regarding the MW level and reason for reduction in reserved capacity is viewable using the *reduction* Template.

Template: **transstatus**

1. **Query**

SELLER_CODE*
SELLER_DUNS*
CUSTOMER_CODE*
CUSTOMER_DUNS*
PATH_NAME*
POINT_OF_RECEIPT*
POINT_OF_DELIVERY*
SERVICE_INCREMENT*
TS_CLASS*
TS_TYPE*
TS_PERIOD*
TS_WINDOW*
TS_SUBCLASS*
STATUS*
START_TIME (Beginning time of service)
STOP_TIME
START_TIME_QUEUED (Beginning time queue)
STOP_TIME_QUEUED
NEGOTIATED_PRICE_FLAG
ASSIGNMENT_REF
REASSIGNED_REF
RELATED_REF
SALE_REF
REQUEST_REF
DEAL_REF
COMPETING_REQUEST_FLAG
TIME_OF_LAST_UPDATE

2. **Response**

CONTINUATION_FLAG
ASSIGNMENT_REF
SELLER_CODE
SELLER_DUNS
CUSTOMER_CODE
CUSTOMER_DUNS
AFFILIATE_FLAG (Set by TSIP)
PATH_NAME
POINT_OF_RECEIPT
POINT_OF_DELIVERY
SOURCE
SINK
CAPACITY_REQUESTED
CAPACITY_GRANTED
SERVICE_INCREMENT
TS_CLASS
TS_TYPE
TS_PERIOD
TS_WINDOW

TS_SUBCLASS
NERC_CURTAILMENT_PRIORITY
OTHER_CURTAILMENT_PRIORITY
START_TIME
STOP_TIME
CEILING_PRICE
OFFER_PRICE
BID_PRICE
PRICE_UNITS
PRECONFIRMED
ANC_SVC_LINK
ANC_SVC_REQ
POSTING_REF
SALE_REF
REQUEST_REF
DEAL_REF
IMPACTED (Greater than 0, if another reservation impacts this reservation)
COMPETING_REQUEST_FLAG
REQUEST_TYPE
RELATED_REF
NEGOTIATED_PRICE_FLAG ("L" if Seller accepted Price is lower than OFFER_PRICE in *transoffering* Template; "H" if higher; otherwise blank)
STATUS
STATUS_NOTIFICATION
STATUS_COMMENTS
TIME_QUEUED
RESPONSE_TIME_LIMIT
TIME_OF_LAST_UPDATE
PRIMARY_PROVIDER_COMMENTS
SELLER_REF
SELLER_COMMENTS
CUSTOMER_COMMENTS
SELLER_NAME
SELLER_PHONE
SELLER_FAX
SELLER_EMAIL
CUSTOMER_NAME
CUSTOMER_PHONE
CUSTOMER_FAX
CUSTOMER_EMAIL
REASSIGNED_REF
REASSIGNED_CAPACITY (Capacity from each previous transaction)
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME

002-4.3.6.3 Seller Approval of Purchase (transsell)

Seller Approval of Purchase (Input) (***transsell***) is input by a Seller to modify the status and queue of a request by a Customer.

The following fields may be submitted in continuation records for the ***transsell*** Template to convey transmission rights from multiple original transmission reservations to this new reservation: REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME. Use of continuation records is only supported when using the CSV format upload of Template data.

If the Provider/Seller cannot accommodate the Customer's CAPACITY_REQUESTED and is obligated or elects to offer the Customer partial service that varies over the total period of the reservation, CAPACITY_GRANTED, START_TIME and STOP_TIME Data Elements may be repeated in continuation records.

If the Provider/Seller supports the negotiation of price on individual segments of a profiled reservation request (support for reservation profiles is at the discretion of the Provider), OFFER_PRICE, START_TIME and STOP_TIME Data Elements may be submitted in continuation records to modify the Seller's offer price associated with the profile segment(s) corresponding to START_TIME and STOP_TIME. OFFER_PRICE associated with each segment of a profiled request must match the corresponding BID_PRICE for the reservation request's STATUS to be set to ACCEPTED.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request. The SELLER_REF Data Element may be set by the SELLER to a seller specific internal tracking number.

If the reservation is subject to the right of first refusal pending a status change to Displaced, the COMPETING_REQUEST_FLAG shall be set to Y, and SELLER_COMMENTS shall be updated with a reference to the competing request's ASSIGNMENT_REF. If the reservation is subject to the right of first refusal pending a status change to Superseded, the COMPETING_REQUEST_FLAG shall be set to Y, the OFFER_PRICE shall be updated, the SELLER_COMMENTS shall be updated with a reference to the competing requests ASSIGNMENT_REF, and the STATUS shall be set to COUNTEROFFER. Once the disposition of the request is finalized, the COMPETING_REQUEST_FLAG shall be reset to N and any appropriate status change shall be made.

The Seller may accept a reservation only when the BID_PRICE and the OFFER_PRICE are the same.

Template: **transsell**

1. **Input**

   CONTINUATION_FLAG
   ASSIGNMENT_REF (Required)
   START_TIME
   STOP_TIME
   OFFER_PRICE
   CAPACITY_GRANTED
   STATUS

STATUS_COMMENTS
ANC_SVC_LINK
ANC_SVC_REQ
COMPETING_REQUEST_FLAG
NEGOTIATED_PRICE_FLAG
SELLER_REF
SELLER_COMMENTS
RESPONSE_TIME_LIMIT
REASSIGNED_REF
REASSIGNED_CAPACITY (Previous capacity to be reassigned)
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME

2. **Response**

RECORD_STATUS
CONTINUATION_FLAG
ASSIGNMENT_REF
START_TIME
STOP_TIME
OFFER_PRICE
CAPACITY_GRANTED
STATUS
STATUS_COMMENTS
ANC_SVC_LINK
ANC_SVC_REQ
COMPETING_REQUEST_FLAG
NEGOTIATED_PRICE_FLAG
SELLER_REF
SELLER_COMMENTS
RESPONSE_TIME_LIMIT
REASSIGNED_REF
REASSIGNED_CAPACITY (Previous capacity to be reassigned)
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME
ERROR_MESSAGE

002-4.3.6.4 Customer Confirmation of Purchase (Input) (transcust)

Customer Confirmation of Purchase (Input) (***transcust***) is input by the Customer to state his agreement or withdrawal of a purchase after the Seller has indicated that the purchase request is approved. Only the BID_PRICE, STATUS, STATUS_COMMENTS, ANC_SVC_LINK, and CUSTOMER_COMMENTS Data Elements can be modified in this Template.

The PRECONFIRMED Data Element may only be set to a value of 'Y' using this Template. Once the Customer has set PRECONFIRMED to 'Y', either on the original submission of the ***transrequest*** Template or via this Template, its value cannot be reset to 'N'.

CUSTOMER_CODE and CUSTOMER_DUNS shall be determined from the registered connection used to input the request.

The Customer must change the BID_PRICE to be equal to the OFFER_PRICE before the reservation request's STATUS can be set to CONFIRMED.

If the Provider/Seller supports the negotiation of price on individual segments of a profiled reservation request (support for reservation profiles is at the discretion of the Provider), BID_PRICE, START_TIME and STOP_TIME Data Elements may be submitted in continuation records to modify the Customer's bid price associated with the profile segment(s) corresponding to START_TIME and STOP_TIME. BID_PRICE associated with each segment of a profiled request must match the corresponding OFFER_PRICE for the reservation request's STATUS to be set to CONFIRMED.

Template: **transcust**

1. **Input**

   CONTINUATION_FLAG
   ASSIGNMENT_REF (Required)
   START_TIME
   STOP_TIME
   REQUEST_REF
   DEAL_REF
   BID_PRICE
   PRECONFIRMED
   STATUS
   STATUS_COMMENTS
   ANC_SVC_LINK
   STATUS_NOTIFICATION If left blank, then original URL from the *transrequest* will be used
   CUSTOMER_COMMENTS

2. **Response**

   RECORD_STATUS
   CONTINUATION_FLAG
   ASSIGNMENT_REF
   START_TIME
   STOP_TIME
   REQUEST_REF
   DEAL_REF
   BID_PRICE
   PRECONFIRMED
   STATUS
   STATUS_COMMENTS
   ANC_SVC_LINK
   STATUS_NOTIFICATION
   CUSTOMER_COMMENTS
   ERROR_MESSAGE

002-4.3.6.5 Seller to Reassign Service Rights to Another Customer (transassign)

Seller to Reassign Service Rights to Another Customer (Input) (***transassign***) is used by the seller to ask the Transmission Services Information Provider to

reassign some or all of the seller's rights to Services to another Customer, for seller confirmed transactions that have occurred off the OASIS Node. The TSIP shall assign a unique ASSIGNMENT_REF in the response (acknowledgment) and enter the status CONFIRMED as viewed in the ***transstatus*** Template. SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Only the following fields may be redefined in a continuation record for the ***transassign*** input Template: CAPACITY_REQUESTED, CAPACITY_GRANTED, START_TIME, STOP_TIME, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME. The REQUEST_TYPE of "RESALE" is implied through execution of this Template.

Template: **transassign**

1. **Input**

   CONTINUATION_FLAG
   CUSTOMER_CODE
   CUSTOMER_DUNS
   PATH_NAME
   POINT_OF_RECEIPT
   POINT_OF_DELIVERY
   SOURCE
   SINK
   CAPACITY_REQUESTED
   CAPACITY_GRANTED
   SERVICE_INCREMENT
   TS_CLASS
   TS_TYPE
   TS_PERIOD
   TS_WINDOW
   TS_SUBCLASS
   START_TIME
   STOP_TIME
   OFFER_PRICE
   ANC_SVC_LINK (optional: filled in if assignment is different than original transmission reservation)
   POSTING_NAME
   REASSIGNED_REF
   REASSIGNED_CAPACITY (Capacity being sold from each previous assignment)
   REASSIGNED_START_TIME
   REASSIGNED_STOP_TIME
   SELLER_COMMENTS
   SELLER_REF

2. **Response (acknowledgment)**

   RECORD_STATUS
   CONTINUATION_FLAG
   ASSIGNMENT_REF (assigned by TSIP)

CUSTOMER_CODE
CUSTOMER_DUNS
PATH_NAME
POINT_OF_RECEIPT
POINT_OF_DELIVERY
SOURCE
SINK
CAPACITY_REQUESTED
CAPACITY_GRANTED (Total capacity being reassigned)
SERVICE_INCREMENT
TS_CLASS
TS_TYPE
TS_PERIOD
TS_WINDOW
TS_SUBCLASS
START_TIME
STOP_TIME
OFFER_PRICE
ANC_SVC_LINK
POSTING_NAME
REASSIGNED_REF
REASSIGNED_CAPACITY (Capacity being sold from each previous assignment)
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME
SELLER_COMMENTS
SELLER_REF
ERROR_MESSAGE

002-4.3.7 Seller Posting of Transmission Services

Sellers shall use the following Templates for providing sell information. They may aggregate portions of several previous purchases to create a new service, if this capability is provided by the Transmission Services Information Provider:

002-4.3.7.1 Seller Capacity Posting (transpost)

Seller Capacity Posting (Input) (***transpost***) shall be used by the Seller to post the transmission capacity for resale on to the OASIS Node.
SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Template: **transpost**

1. **Input**

   PATH_NAME
   POINT_OF_RECEIPT
   POINT_OF_DELIVERY
   INTERFACE_TYPE
   CAPACITY
   SERVICE_INCREMENT
   TS_CLASS

TS_TYPE
TS_PERIOD
TS_WINDOW
TS_SUBCLASS
ANC_SVC_REQ
START_TIME
STOP_TIME
OFFER_START_TIME
OFFER_STOP_TIME
SALE_REF
OFFER_PRICE
SERVICE_DESCRIPTION
SELLER_COMMENTS

2. **Response** (Acknowledgment)

RECORD_STATUS
POSTING_REF (Assigned by TSIP)
PATH_NAME
POINT_OF_RECEIPT
POINT_OF_DELIVERY
INTERFACE_TYPE
CAPACITY
SERVICE_INCREMENT
TS_CLASS
TS_TYPE
TS_PERIOD
TS_WINDOW
TS_SUBCLASS
ANC_SVC_REQ
START_TIME
STOP_TIME
OFFER_START_TIME
OFFER_STOP_TIME
SALE_REF
OFFER_PRICE
SERVICE_DESCRIPTION
SELLER_COMMENTS
ERROR_MESSAGE

002-4.3.7.2 Seller Capacity Modify (transupdate)

Seller Capacity Modify (Input) (***transupdate***) shall be used by a Seller to modify a posting of transmission capacity.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Template: **transupdate**

1. **Input**

POSTING_REF (Must be provided)

CAPACITY (only if modified)
START_TIME (only if modified)
STOP_TIME (only if modified)
OFFER_START_TIME (only if modified)
OFFER_STOP_TIME (only if modified)
ANC_SVC_REQ (only if modified)
SALE_REF (only if modified)
OFFER_PRICE (only if modified)
SERVICE_DESCRIPTION (only if modified)
SELLER_COMMENTS (only if modified)

2. **Response** (acknowledgment)

RECORD_STATUS
POSTING_REF
CAPACITY
START_TIME
STOP_TIME
OFFER_START_TIME
OFFER_STOP_TIME
ANC_SVC_REQ

SALE_REF
OFFER_PRICE
SERVICE_DESCRIPTION
SELLER_COMMENTS
ERROR_MESSAGE

002-4.3.8 Purchase of Ancillary Services

002-4.3.8.1 Customer Requests to Purchase Ancillary Services (ancrequest)

Customer Requests to Purchase Ancillary Services (***ancrequest***) (Input, Template Upload) is used by the customer to request ancillary services that have been posted by a seller of those services. The response simply acknowledges that the Customer's request was received by the OASIS Node. It does not imply that the Seller has received the request. The same requirements exist for the use of STATUS_NOTIFICATION as for ***transrequest***. Submitting values into the reference Data Elements is optional.

CUSTOMER_CODE and CUSTOMER_DUNS shall be determined from the registered connection used to input the request.

Supporting "profiles" of ancillary service, which request different capacities (and optionally price) for different time periods within a single request, is at the discretion of the Primary Provider. Continuation records may be used to indicate requests for these service profiles. Each segment of a profile is represented by the Data Elements CAPACITY, START_TIME, and STOP_TIME, which define the intervals in time over which a non-zero MW demand is being requested. The initial segment of a profile is defined by the CAPACITY, START_TIME and STOP_TIME Data Elements specified in the first/only record submitted; subsequent segments are specified in continuation records each containing the appropriate CAPACITY, START_TIME and

STOP_TIME values defining the segment. Provider's may optionally support price negotiation on segments of a profiled reservation request. In this case, the BID_PRICE Data Element is also included in each continuation record. If the BID_PRICE Data Element is not specified in the continuation records, the BID_PRICE specified in the first/only record submitted will be applied to the entire reservation request.

The START_TIME and STOP_TIME indicate the requested period of service.

When the request is received at the OASIS Node, the TSIP assigns a unique ASSIGNMENT_REF value and queues the request with a time stamp. The STATUS for the request is QUEUED.

Specification of a value YES in the PRECONFIRMED field authorizes the TSIP to automatically change the STATUS field in the ***ancstatus*** Template to CONFIRMED when that request is ACCEPTED by the Seller.

Template: **ancrequest**

1. **Input**

   CONTINUATION_FLAG
   SELLER_CODE
   SELLER_DUNS
   CONTROL_AREA
   ANC_SERVICE_POINT
   CAPACITY
   SERVICE_INCREMENT
   AS_TYPE
   STATUS_NOTIFICATION
   START_TIME
   STOP_TIME
   BID_PRICE
   PRECONFIRMED
   POSTING_REF (Optionally set by Customer)
   SALE_REF (Optionally set by Customer)
   REQUEST_REF (Optionally set by Customer)
   DEAL_REF (Optionally set by Customer)
   CUSTOMER_COMMENTS

2. **Response** (acknowledgment)

   RECORD_STATUS
   CONTINUATION_FLAG
   ASSIGNMENT_REF (assigned by TSIP)
   SELLER_CODE
   SELLER_DUNS
   CONTROL_AREA
   ANC_SERVICE_POINT
   CAPACITY
   SERVICE_INCREMENT
   AS_TYPE
   STATUS_NOTIFICATION

START_TIME
STOP_TIME
BID_PRICE
PRECONFIRMED
POSTING_REF
SALE_REF
REQUEST_REF
DEAL_REF
CUSTOMER_COMMENTS
ERROR_MESSAGE

002-4.3.8.2 Ancillary Services Status (ancstatus)

Ancillary Services Status (***ancstatus***) is used to provide the status of purchase requests regarding the ancillary services that are available for sale by all Service Providers. Continuation records may be returned in association with a ancillary services reservation to convey information regarding: 1) sale or assignment of ancillary rights on the secondary market (reassignments), or 2) profiled requests. When an ancillary reservation request is the result of a sale or assignment of transmission or ancillary rights on the secondary market, the identity of the original reservation, capacity, and time interval over which rights are assigned to the new reservation are defined by the Data Elements REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME. These Data Elements will be returned in continuation records when more than one set of reassignment information is associated with a reservation. If the reservation has an associated profile (support for reservation profiles is at the discretion of the Provider), CAPACITY, START_TIME and STOP_TIME for the segments of the profile will be returned in continuation records. If the Provider supports negotiation of price on each segment of a profiled request, BID_PRICE and OFFER_PRICE will also be returned with CAPACITY, START_TIME and STOP_TIME.

The AFFILIATE_FLAG will be set by the TSIP to indicate whether or not the Customer is an affiliate of the Seller.

The values of STATUS and processes for setting STATUS are the same as for ***transstatus***.

Template: **ancstatus**

1. **Query**

   SELLER_CODE*
   SELLER_DUNS*
   CUSTOMER_CODE*
   CUSTOMER_DUNS*
   CONTROL_AREA
   ANC_SERVICE_POINT
   SERVICE_INCREMENT
   AS_TYPE
   STATUS
   START_TIME

STOP_TIME
START_TIME_QUEUED
STOP_TIME_QUEUED
NEGOTIATED_PRICE_FLAG
ASSIGNMENT_REF
REASSIGNED_REF
SALE_REF
REQUEST_REF
DEAL_REF
TIME_OF_LAST_UPDATE (only if TIME_OF_LAST_UPDATE is posted by record)

2. **Response**

CONTINUATION_FLAG
ASSIGNMENT_REF
SELLER_CODE
SELLER_DUNS
CUSTOMER_CODE
CUSTOMER_DUNS
AFFILIATE_FLAG (Set by TSIP)
CONTROL_AREA
ANC_SERVICE_POINT
CAPACITY
SERVICE_INCREMENT
AS_TYPE
START_TIME
STOP_TIME
CEILING_PRICE
OFFER_PRICE
BID_PRICE
PRICE_UNITS
PRECONFIRMED
POSTING_REF
SALE_REF
REQUEST_REF
DEAL_REF
NEGOTIATED_PRICE_FLAG ("L" if Seller accepted Price is lower than OFFER_PRICE in *ancoffering* Template; "H" if higher; otherwise blank)
STATUS
STATUS_NOTIFICATION
STATUS_COMMENTS
TIME_QUEUED
RESPONSE_TIME_LIMIT
TIME_OF_LAST_UPDATE
PRIMARY_PROVIDER_COMMENTS
SELLER_COMMENTS
CUSTOMER_COMMENTS
SELLER_NAME
SELLER_PHONE
SELLER_FAX
SELLER_EMAIL
CUSTOMER_NAME

CUSTOMER_PHONE
CUSTOMER_FAX
CUSTOMER_EMAIL
REASSIGNED_REF
REASSIGNED_CAPACITY
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME

002-4.3.8.3 Seller Approves Ancillary Service (ancsell)

Seller Approves Ancillary Service (***ancsell***) is used by the Seller to confirm acceptance after the Seller has approved the purchase of ancillary service.

The following fields may be submitted in continuation records for the ***ancsell*** Template to convey ancillary rights from multiple original ancillary service reservations to this new reservation: REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME. If the Provider/Seller supports the negotiation of price on individual segments of a profiled reservation request (support for reservation profiles is at the discretion of the Provider), OFFER_PRICE, START_TIME and STOP_TIME Data Elements may be submitted in continuation records to modify the Seller's offer price associated with the profile segment(s) corresponding to START_TIME and STOP_TIME. OFFER_PRICE associated with each segment of a profiled request must match the corresponding BID_PRICE for the reservation request's STATUS to be set to ACCEPTED.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Template: **ancsell**

1. **Input**

   CONTINUATION_FLAG
   ASSIGNMENT_REF (Required)
   START_TIME
   STOP_TIME
   OFFER_PRICE
   STATUS
   STATUS_COMMENTS
   NEGOTIATED_PRICE_FLAG
   RESPONSE_TIME_LIMIT
   SELLER_COMMENTS
   REASSIGNED_REF
   REASSIGNED_CAPACITY
   REASSIGNED_START_TIME
   REASSIGNED_STOP_TIME

2. **Response** (acknowledgment)

   RECORD_STATUS
   CONTINUATION_FLAG

ASSIGNMENT_REF
START_TIME
STOP_TIME
OFFER_PRICE
STATUS
STATUS_COMMENTS
NEGOTIATED_PRICE_FLAG
RESPONSE_TIME_LIMIT
SELLER_COMMENTS
REASSIGNED_REF
REASSIGNED_CAPACITY
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME
ERROR_MESSAGE

002-4.3.8.4 Customer accepts Ancillary Service (anccust)

Customer accepts Ancillary Service (***anccust)*** is used by the customer to confirm acceptance after the seller has approved the purchase of ancillary service.

The Customer must change the BID_PRICE to be equal to the OFFER_PRICE before the reservation request's STATUS can be set to CONFIRMED. If the Provider/Seller supports the negotiation of price on individual segments of a profiled reservation request (support for reservation profiles is at the discretion of the Provider), BID_PRICE, START_TIME and STOP_TIME Data Elements may be submitted in continuation records to modify the Customer's bid price associated with the profile segment(s) corresponding to START_TIME and STOP_TIME. BID_PRICE associated with each segment of a profiled request must match the corresponding OFFER_PRICE for the reservation request's STATUS to be set to CONFIRMED.

CUSTOMER_CODE and CUSTOMER_DUNS shall be determined from the registered connection used to input the request.

Template: **anccust**

1. **Input**

   CONTINUATION_FLAG
   ASSIGNMENT_REF (Required)
   START_TIME
   STOP_TIME
   REQUEST_REF
   DEAL_REF
   BID_PRICE
   PRECONFIRMED
   STATUS
   STATUS_COMMENTS
   STATUS_NOTIFICATION (If left blank, then the original URL from the *ancrequest* will be used
   CUSTOMER_COMMENTS

2. **Response** (Acknowledgment)

   RECORD_STATUS
   CONTINUATION_FLAG
   ASSIGNMENT_REF
   START_TIME
   STOP_TIME
   REQUEST_REF
   DEAL_REF
   BID_PRICE
   PRECONFIRMED
   STATUS
   STATUS_COMMENTS
   STATUS_NOTIFICATION
   CUSTOMER_COMMENTS
   ERROR_MESSAGE

002-4.3.8.5 Seller to Reassign Service Rights to Another Customer (ancassign)

Seller to Reassign Service Rights to Another Customer (Input) (***ancassign***) is used by the seller to ask the Transmission Services Information Provider to reassign some or all of the seller's rights to Services to another Customer, for seller confirmed transactions that have occurred off the OASIS Node.

Implementation of this Template is optional until such time that a business case requiring the use of such a facility to selectively reassign ancillary services is clearly demonstrated.

The TSIP shall assign a unique ASSIGNMENT_REF in the response (acknowledgment) and enter the status CONFIRMED as viewed in the ***ancstatus*** Template.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Only the following fields may be redefined in a continuation record for the ***ancassign*** input Template: CAPACITY, START_TIME, STOP_TIME, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Template: **ancassign**

1. **Input**

   CONTINUATION_FLAG
   CUSTOMER_CODE
   CUSTOMER_DUNS
   CONTROL_AREA
   ANC_SERVICE_POINT
   CAPACITY

SERVICE_INCREMENT
AS_TYPE
START_TIME
STOP_TIME
OFFER_PRICE
POSTING_NAME
REASSIGNED_REF
REASSIGNED_CAPACITY (Capacity being sold from each previous assignment)
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME
SELLER_COMMENTS

2. **Response (acknowledgment)**

RECORD_STATUS
CONTINUATION_FLAG
ASSIGNMENT_REF (assigned by TSIP)
CUSTOMER_CODE
CUSTOMER_DUNS
CONTROL_AREA
ANC_SERVICE_POINT
CAPACITY (Total capacity being reassigned)
SERVICE_INCREMENT
AS_TYPE
START_TIME
STOP_TIME
OFFER_PRICE
POSTING_NAME
REASSIGNED_REF
REASSIGNED_CAPACITY (Capacity being sold from each previous assignment)
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME
SELLER_COMMENTS
ERROR_MESSAGE

002-4.3.9 Seller Posting of Ancillary Services

002-4.3.9.1 Seller Ancillary Services Posting (ancpost)

Seller Ancillary Services Posting (***ancpost***) is used by the Seller to post information regarding the different services that are available for sale by third party Sellers of ancillary services.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Template: **ancpost**

1. **Input**

CONTROL_AREA

SERVICE_DESCRIPTION
CAPACITY
SERVICE_INCREMENT
AS_TYPE
START_TIME
STOP_TIME
OFFER_START_TIME
OFFER_STOP_TIME
SALE_REF
OFFER_PRICE
SELLER_COMMENTS

2. **Response** (acknowledgment)

RECORD_STATUS
POSTING_REF (Assigned by TSIP)
CONTROL_AREA
SERVICE_DESCRIPTION
CAPACITY
SERVICE_INCREMENT
AS_TYPE
START_TIME
STOP_TIME
OFFER_START_TIME
OFFER_STOP_TIME
SALE_REF
OFFER_PRICE
SELLER_COMMENTS
ERROR_MESSAGE

002-4.3.9.2 Seller Modify Ancillary Services Posting (ancupdate)

Seller Modify Ancillary Services Posting (***ancupdate***) is used by the Seller to modify posted information regarding ancillary services that are available for sale by a third party Seller.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Template: **ancupdate**

1. **Input**

POSTING_REF (Required)
CAPACITY (only if modified)
SERVICE_DESCRIPTION (only if modified)
START_TIME (only if modified)
STOP_TIME (only if modified)
OFFER_START_TIME (only if modified)
OFFER_STOP_TIME (only if modified)
SALE_REF (only if modified)
OFFER_PRICE (only if modified)
SELLER_COMMENTS (only if modified)

2. **Response (acknowledgment)**

   RECORD_STATUS
   POSTING_REF
   CAPACITY
   SERVICE_DESCRIPTION
   START_TIME
   STOP_TIME
   OFFER_START_TIME
   OFFER_STOP_TIME
   SALE_REF
   OFFER_PRICE
   SELLER_COMMENTS
   ERROR_MESSAGE

002-4.3.10 Informal Messages

002-4.3.10.1 Provider/Customer Want Ads and Informal Message Posting Request (messagepost)

Provider/Customer Want Ads and Informal Message Posting Request (***messagepost***) is used by Providers and Customers who wish to post a message. The valid entries for CATEGORY shall be defined by providers and shall be listed in the List of CATEGORY Template.

CUSTOMER_CODE and CUSTOMER_DUNS shall be determined from the registered connection used to input the request.

When the OASIS node is out of service and transmission requests are received by the TP by phone or fax then the CATEGORY=OASIS_MAINTENANCE_OUTAGE will be used to document the outage. The VALID_FROM_TIME will be the time the outage started and VALID_TO_TIME will be the time the outage ended. A list of all transactions that occurred during the outage and entered afterwards will be available through a query of the ***transstatus*** Template using START_TIME_QUEUED=<VALID_FROM_TIME> and STOP_TIME_QUEUED=<VALID_TO_TIME>.

Template: **messagepost**

1. **Input**

   SUBJECT
   CATEGORY
   VALID_FROM_TIME
   VALID_TO_TIME
   MESSAGE (must be specified)

2. **Response** (acknowledgment)

   RECORD_STATUS
   POSTING_REF (assigned by information provider)

SUBJECT
CATEGORY
VALID_FROM_TIME
VALID_TO_TIME
MESSAGE
ERROR_MESSAGE

002-4.3.10.2 Message (message)

Message (***message***) is used to view a posted Want Ad or Informal Message. The CATEGORY Data Element can be queried.

Template: **message**

1. **Query**

   CUSTOMER_CODE
   CUSTOMER_DUNS
   POSTING_REF
   CATEGORY
   VALID_FROM_TIME
   VALID_TO_TIME
   TIME_POSTED

2. **Response**

   CUSTOMER_CODE
   CUSTOMER_DUNS
   POSTING_REF
   SUBJECT
   CATEGORY
   VALID_FROM_TIME
   VALID_TO_TIME
   TIME_POSTED
   CUSTOMER_NAME
   CUSTOMER_PHONE
   CUSTOMER_FAX
   CUSTOMER_EMAIL
   MESSAGE

002-4.3.10.3 Provider/Sellers Message Delete Request (messagedelete)

Provider/Sellers Message Delete Request (***messagedelete***) is used by Providers and Sellers who wish to delete their message. The POSTING_REF number is used to determine which message.

CUSTOMER_CODE and CUSTOMER_DUNS shall be determined from the registered connection used to input the request.

Template: **messagedelete**

1. **Input**

POSTING_REF

2. **Response** (Acknowledgment)

   RECORD_STATUS
   POSTING_REF
   ERROR_MESSAGE

002-4.3.10.4 Personnel Transfers (personnel)

The Personnel Transfers ***(personnel)*** Template is used to indicate when personnel are transferred between the merchant function and the Transmission Provider function as required by Standards of Conduct WEQ 009 or applicable regulations.

Template: **personnel**

1. **Query**

   TIME_OF_LAST_UPDATE
   START_TIME_POSTED
   STOP_TIME_POSTED

2. **Response**

   POSTING_NAME
   EMPLOYEE_NAME
   FORMER_POSITION
   FORMER_COMPANY
   FORMER_DEPARTMENT
   NEW_POSITION
   NEW_COMPANY
   NEW_DEPARTMENT
   DATE_TIME_EFFECTIVE
   TIME_POSTED
   TIME_OF_LAST_UPDATE

002-4.3.10.5 Discretion (discretion)

The Discretion ***(discretion)*** Template is used to describe the circumstances when discretion was exercised in applying terms of the tariff, as described in the Standards of Conduct WEQ 009 or applicable regulations.

Template: **discretion**

1. **Query**

   START_TIME_POSTED
   STOP_TIME_POSTED
   START_TIME
   STOP_TIME

SERVICE_TYPE
SERVICE_NAME
TIME_OF_LAST_UPDATE

2. **Response**

POSTING_NAME
RESPONSIBLE_PARTY_NAME (name of person granting discretion)
SERVICE_TYPE (ancillary or transmission)
SERVICE_NAME (make consistent with offering Templates)
TARIFF_REFERENCE
START_TIME
STOP_TIME
DISCRETION_DESCRIPTION
TIME_POSTED
TIME_OF_LAST_UPDATE

002-4.3.10.6 Standards of Conduct (stdconduct)

The Standards of Conduct ***(stdconduct)*** Template indicates when information is disclosed in a manner contrary to the standards of conduct, as described in the Standards of Conduct WEQ 009 or applicable regulations.

Template: **stdconduct**

1. **Query**
   START_TIME_POSTED
   STOP_TIME_POSTED
   TIME_OF_LAST_UPDATE

2. **Response**

   POSTING_NAME
   RESPONSIBLE_PARTY_NAME
   STANDARDS_OF_CONDUCT_ISSUES
   TIME_POSTED
   TIME_OF_LAST_UPDATE

002-4.3.11 Audit Log

The OASIS audit log report facility shall be implemented by the definition of the following Templates:

transofferingaudit	- audit counterpart to ***transoffering***
ancofferingaudit	- audit counterpart to ***ancoffering***
scheduledetailaudit	- audit counterpart to ***scheduledetail***
securityaudit	- audit counterpart to ***security***
systemdataaudit	- audit counterpart to ***systemdata***
transstatusaudit	- audit counterpart to ***transstatus***
ancstatusaudit	- audit counterpart to ***ancstatus***
personnelaudit	- audit counterpart to ***personnel***
discretionaudit	- audit counterpart to ***discretion***

~~d~~stdconductaudit - audit counterpart to ***stdconduct***

Each of these audit Templates is an extension to the OASIS Template definitions of their non-audit counterparts. The requirements for implementation of the audit Templates are~~is~~ defined in the following sections.

002-4.3.11.1 Query Variables

Each of the audit Templates defined shall support exactly the same set of Query Variables as defined for their non-audit Template counterpart. As with the standard Template definitions, audit reports may be downloaded in Comma Separated Value (CSV) format by the specification of the OUTPUT_FORMAT=DATA Query Variable, or may be viewed using a web browser when OUTPUT_FORMAT=HTML is specified.

002-4.3.11.2 Audit Report Response Format

Audit report information shall be returned in response to a valid query request made to any of the audit Templates defined. Query variables may be specified as allowed by each individual Template and shall have the effect of limiting the scope of audit data returned to that set of information selected by that combination of additional Query Variables.

The response to an audit query shall consist of ordered sets of information reflecting both the current information as posted on OASIS and the full history of changes made to that information. These ordered sets of information are organized around the individual postings or "records" returned in response to the applicable non-audit Template. For example, execution of the ***transstatus*** (or ***ancstatus***) Template returns a set of individual records identified by unique ASSIGNMENT_REF. The ***transstatusaudit*** Template response is then organized by ASSIGNMENT_REF and would show all changes made to those Data Elements associated with each individual ASSIGNMENT_REF record.

Execution of the ***transoffering*** (or ***ancoffering*** or ***systemdata***) Template returns a set of individual records identified by unique POSTING_REF. The ***transofferingaudit*** Template response is then organized by POSTING_REF and would show all changes made to those Data Elements associated with each individual POSTING_REF record.

The specific audit report response format is detailed in the following sections.

002-4.3.11.3 Comma Separated Value (CSV) Format

A CSV formatted audit Template response shall comply with all the general provisions and specifications defined previously for a CSV formatted response. The CSV response records shall be ~~–~~organized in sets of records containing both the latest information posted on OASIS and all changes made to that information over time.

002-4.3.11.3.1 CSV Response Header Records

The following additional Data Element names shall be included as the first set of Data Elements in the COLUMN_HEADERS record and the corresponding Data Element values shall be included in each subsequent Data Record (row) returned in the audit response:

RECORD_TYPE
TIME_OF_LAST_UPDATE
MODIFYING_COMPANY_CODE
MODIFYING_NAME

These Data Elements shall precede the standard Data Elements associated with the specific Template being invoked.
The RECORD_TYPE Data Element shall take on one of the following restricted values:

I - denotes a record of information as it appeared on its initial **I**nsertion (posting) on OASIS
U - denotes a record of information as it appeared immediately following an **U**pdate to the posted information
D - denotes a record of any **D**eleted information as it last appeared on OASIS.

The TIME_OF_LAST_UPDATE Data Element shall contain the time that the Template Data Elements were inserted, updated or deleted to the values reported in that record (row) of the response. This Data Element is identical to the standard Template TIME_OF_LAST_UPDATE Data Element, and is included as part of the fixed audit specific Data Element columns to aid users in sorting the audit response records.

The MODIFYING_COMPANY_CODE and MODIFYING_NAME Data Elements shall contain the identity of the entity (by the appropriate 4-6 character customer/provider code) and the person that inserted, updated or deleted the Data Elements to the values reported in that record (row) of the response. In the event the modification of posted information cannot be associated with a specific OASIS user (e.g., as a result of an automated back-end process), the MODIFYING_NAME Data Element may be null.

Immediately following the MODIFYING_NAME column header, each of the standard non-audit counterpart Template's Data Elements shall be listed in the exact sequence defined for that non-audit Template.

Finally, OASIS implementations may include additional Data Elements identified by unique column headers appended after the fixed audit and standard Template Data Elements. These additional Data Elements may be used to convey implementation specific information maintained in the OASIS database in association with the data being audited.

002-4.3.11.3.2 CSV Data Records

In formatting an audit response, OASIS shall collect and order information into sets of Data Records (rows). Each set of records returned shall include a record corresponding to the information as original inserted into the OASIS database denoted by a RECORD_TYPE of "I", and as many additional records

with RECORD_TYPE of "U" corresponding to each update made to that information over time. If applicable, a record may also be returned in the set with a RECORD_TYPE of "D" if the corresponding information was effectively deleted from the database. The number of sets of audit report records returned in response to an audit query shall be determined by the number and type of additional Template Query Variables specified by the user.

002-4.3.11.3.3 CSV Continuation Records

Continuation records are used in certain standard Phase 1-A Templates to report repeating Data Elements associated with a single OASIS transaction such as demand profiles or the reassignment of rights on the secondary market. The first (CONTINUATION_FLAG=N) record and all associated continuation (CONTINUATION_FLAG=Y) records shall be treated as a group when generating the response to an audit query. To minimize the volume of information reported in an audit response, implementations may elect to suppress repeating the contents of information contained in continuation records if none of the Data Elements associated with those continuation records were modified. If, however, the Data Element(s) to be reported by an audit record are contained in one or more of the continuation records (e.g., a change was made to a transmission reservation's demand profile), the first (CONTINUATION_FLAG=N) record followed by the entire group of continuation (CONTINUATION_FLAG=Y) records shall be reported.

002-4.3.11.3.4 CSV Response Header Records

Finally, OASIS implementations may include additional Data Elements identified by unique column headers appended after the fixed audit and standard Template Data Elements. These additional Data Elements may be used to convey implementation specific information maintained in the OASIS database in association with the data being audited.

002-4.3.11.4 HTML Output

Specification of the Query Variable OUTPUT_FORMAT=HTML shall minimally result in an audit report formatted identically to the CSV Format (OUTPUT_FORMAT=DATA) with the exception that the response shall be returned using the HTTP header **"Content-type: text/plain"** specification. This will result in the CSV Data Records being rendered in simple text within the user's web-browser. More sophisticated HTML formatted responses to audit queries may be provided by the TSIPs at their discretion.

002-4.3.11.5 Special Audit Template Considerations

Transoffering

The ***transoffering*** Template is used to convey information on transmission services offered for sale as well as the availability of transmission capability (TTC/ATC). The proposed audit reporting scheme may prove inadequate to generate audits of both the commercial aspects of offers posted on OASIS (i.e., price, etc.) and the reliability aspects associated with those offers (i.e.,

ATC) depending on how these two different types of information are represented internally by each OASIS node.

For those OASIS implementations that handle TTC/ATC information separately from the posting of commercial offers of service, audit reports generated by the ***transofferingaudit*** Template may be limited to only reporting changes to the Data Elements associated with the commercial aspects of the offer (e.g., OFFER_PRICE, OFFER_START_TIME, etc.), and may return a null value for the CAPACITY Data Element. These nodes shall use the ***systemdataaudit*** Template audit reporting facility to allow for the full auditing of changes made to TTC and ATC postings as required under Federal Regulations.

Scheduledetail

The ***scheduledetail*** Template combines information from one or more transmission reservations and transmission security event postings (e.g., TLRs) with information posted on actual scheduled use of the transmission system. Audit information related to changes made to a given transmission reservation shall be auditable using the ***transstatusaudit*** Template. Audit information related to the posting of transmission security events that led to a curtailment or interruption of service, or the denial of a request to schedule service shall be auditable using the ***securityaudit*** Template. Therefore, the ***scheduledetailaudit*** Template shall only be required to report changes to the following Data Elements associated with the ***scheduledetail*** Template:

TRANSACTION_ID
START_TIME
STOP_TIME
SCHEDULE_REQUESTED
SCHEDULE_GRANTED
ASSIGNMENT_REF
PROVIDER_ACTION
SCHEDULE_LIMIT
CURTAILMENT_OPTIONS
SECURITY_REF

002-4.4 FILE REQUEST AND FILE DOWNLOAD EXAMPLES

See the OASIS Implementation Guide WEQ 013-4.1.

002-4.4.1 [Deleted]
002-4.4.2 [Deleted]

002-4.4.3 [Deleted]

002-4.4.4 [Deleted]
002-4.4.5 [Deleted]
002-4.4.6 [Deleted]

002-4.4.6.1 [Deleted]

002-4.4.6.2 [Deleted]
002-4.4.6.3 [Deleted]

002-4.4.6.4 [Deleted]

002-4.4.6.5 [Deleted]

002-4.4.6.6 [Deleted]

002-4.4.7 [Deleted]

002-4.4.7.1 [Deleted]

002-4.4.7.2 [Deleted]

002-4.5 GENERAL POSTINGS

002-4.5.1 INFO.HTM

When a regulatory order requires informational postings on OASIS and there is no OASIS S&CP template to support the postings or it is deemed inappropriate to use a template, or the location of the posting has not been required to be elsewhere, there shall be a reference in INFO.HTM to the required information, including, but not limited to, references to the following:

- A common source of interconnection wide curtailment and interruption information, such as the NERC Transmission Loading Relief (TLR) web site.

- Information related to the Transmission Provider's methodology for computing and application of Capacity Benefit Margin (CBM) and Transmission Reliability Margin (TRM). If the Transmission Provider does not use CBM or TRM in their assessment of Available Transmission Capability (ATC), that information shall also be in INFO.HTM.

- The location of the list of system studies conducted.

- Information on requesting the text file of the tariffs and service agreements.

For the purposes of this section, any link to required informational postings that can be accessed from INFO.HTM would be considered to have met the OASIS posting requirements, provided that the linked information meets all other OASIS accessibility requirements.

002-4.5.2 INFORMATION UNDER STANDARDS OF CONDUCT LINK

The Transmission Provider shall establish a link entitled “Standards of Conduct,” located on the OASIS home page at the Transmission Provider’s registered URL address.

The following types of information, as found in Standards of Conduct for Transmission Providers, Order 2004, 105 FERC ¶61,248 (2003);*order on reh'g,* Order 2004-A, 107 FERC ¶61,032; *order on reh'g*, Order 2004-B, 108 FERC ¶61,118 (2004); *order on reh'g,* Order 2004-C, 109 FERC ¶61,325; *order on reh'g*, Order 2004-D, 110 FERC ¶61,320, and 18 CFR §358 should be accessible from the Standards of Conduct link.

Emergency Circumstances Deviations (§358.4(a)(2))

Marketing and Energy Affiliate List (§358.4(b)(1))

Shared Facilities (§358.4(b)(2))

Organizational Charts and Job Descriptions (§358.4(b)(3)(i))

Common Employees (§358.4(b)(3)(iii))

Potential Merger Partners (§358.4(b)(3)(v))

Transfers[1] (§358.4(c))

Information Disclosure[2] (§358.5(b) (3))

Voluntary Consent to Share Non-Affiliated Customer Information (§358.5(b)(4))

Discretionary Actions under Tariff [3] (§358.5(c)(4))

Discounts[4] (§358.5(d))

Chief Compliance Officer (§358.4(e)(6))

Written Procedures for Implementation (§358.4 (e)(3))

These items shall appear in the order specified above and before any other items which may be required as per specific FERC direction or local business practice. Posting of the cites noted in the parentheses is optional. Access to some of the information found under the Standards of Conduct link above may require the user to register with the individual OASIS sites according to WEQ 002-3.1

002-5 PERFORMANCE REQUIREMENTS

A critical aspect of any system is its performance. Performance encompasses many issues, such as security, sizing, response to user requests, availability,

1 According to WEQ 002-4.3.10.4 a template is required for this item.
2 According to WEQ 002-4.3.10.6 a template is required for this item.
3 According to WEQ 002-4.3.10.5 a template is required for this item.
4 According to WEQ 002-4.3.2.1 a template is required for this item.

backup, and other parameters that are critical for the system to function as desired. The following sections cover the performance requirements for the OASIS Nodes.

002-5.1 SECURITY

Breaches of security include many inadvertent or possibly even planned actions. Therefore, several requirements shall be implemented by the TSIPs to avoid these problems:

a. **Provider Update of TS Information:** Only Providers, including Secondary Providers, shall be permitted to update their own TS Information.

b. **Customer Input Only ASCII Text:** TSIPs shall be permitted to require that inputs from Customers shall be filtered to permit only strict ASCII text (strip bit 8 from each byte).

c. **Provider Updating Over Public Facilities:** If public facilities are involved in the connection between a Provider and the OASIS Node, the Provider shall be able to update his TS Information only through the use of ASCII or through encrypted files.

d. **User Registration and Login:** All Users shall be required to register and login to a Provider's Account before accessing that Provider's TS Information.

e. **User Passwords:** All Users shall enter their personal password when they wish access to TS Information beyond the lowest Access Privilege.

f. **Service Request Transactions:** Whenever Service Request transactions are implemented entirely over OASIS Nodes, both an individual Customer password for the request, and an individual Provider password for the notification of acceptance shall be required.

g. **Data Encryption:** Sophisticated data encryption techniques and the "secure id" mechanisms being used on the public Internet shall be used to transfer sensitive data across the Internet and directly between OASIS Nodes.

h. **Viruses:** Since only data is being transmitted between the OASIS Nodes and the Users, viruses are unlikely to be passed between them. Therefore, TSIPs shall be responsible for ensuring that the OASIS Nodes are free from viruses, but need not screen data exchanges with Users for viruses.

i. **Performance Log:** TSIPs shall keep a log on User usage of OASIS resources.

j. **Disconnection:** TSIPs shall be allowed to disconnect any User who is degrading the performance of the OASIS Node through the excessive use of resources, beyond what is permitted in their Service Level Agreement.

k. **Premature Access:** The TSIP log shall also be used to ensure that Users who are affiliated with the Provider's company (or any other User) do not have access to TS information before it is publicly available.

l. **Firewalls:** TSIPs shall employ security measures such as firewalls to minimize the possibility that unauthorized users shall access or modify TS Information or reach into Provider or User systems. Interfaces through Public Data Networks or the Internet shall be permitted as long as these security requirements are met.

m. **Certificates and Public Key Standards (optional):** Use of alternative forms of login and authentication using certificates and public key standards is acceptable.

002-5.2 ACCESS PRIVILEGES

Users shall be assigned different Access Privileges based on external agreements between the User and the Provider. These Access Privileges are associated with individual Users rather than just a company, to ensure that only authorized Users within a company have the appropriate access.

The following Access Privileges shall be available as a minimum:

a. **Access Privilege Read-Only:** The User may only read publicly available TS Information.

b. **Access Privilege for Transactions:** The Customer is authorized to transact Service Requests.

c. **Access Privilege Read/Write:** A Secondary Provider shall have write access to his own Provider Account on an OASIS Node.

002-5.3 OASIS RESPONSE TIME REQUIREMENTS

002-5.3.1 TSIPs can only be responsible for the response capabilities of two portions of the Internet-based OASIS network:

- The adequacy of the TSIP's internet interconnection(s) for reasonable high-volume utilization
- The response capabilities of the OASIS Node functions to process interactions with Users

002-5.3.2 Measurement Criteria for Internet Connections

An OASIS node's Internet connection(s) should not exceed 60% sustained utilization. To determine the sustained utilization, TSIPs shall retain usage records and logs related to the Internet service.

002-5.3.3 Measurement Criteria for OASIS Node functions

It is required that OASIS query functions meet or exceed the response times listed below during the normal conduct of business.

Template or GUI equivalent	Average Response not fewer than:	90% of Responses not fewer than:
transstatus	100 rows/minute	10 rows/minute

transoffering	500 rows/minute	100 rows/minute

It should be recognized that during periods of minimal interactivity there might be heavier loading due to automated processes gathering larger volumes of data or due to OASIS node housekeeping services. The offloading of such discretionary demand should not be discouraged if it serves to make the OASIS more responsive during primary periods of customer activity.

To assess whether these performance capabilities are obtainable, an OASIS application shall collect and log pertinent statistics on an hourly basis about each invocation of the primary types of data queries on the Templates ***transstatus*** and ***transofferring***. Statistics logged shall be the number of invocations per type of template, the service processing time to retrieve the information, format of the responses, and effective template data row count.

002-5.4 OASIS PROVIDER ACCOUNT AVAILABILITY

The following are the OASIS Provider Account availability requirements:

a. OASIS Provider Account Availability: The availability of each OASIS Provider account on an OASIS Node shall be at least **98.0%** (downtime of about 7 days per year).

Availability is defined as:

$$\text{\% Availability} = \frac{(1 - \text{Cumulative Provider Account Downtime})}{\text{Total Time}} * 100$$

A Provider account shall be considered to be down, and downtime shall be accumulated, upon occurrence of any of the following:

1. One or more Users cannot link and log on to the Provider account. The downtime accumulated shall be calculated as:

   Σ **for affected Users of 1/n * (Login Time)**, which is the time used by each affected User to try to link and log on to the Provider account, and where "n" is the total number of Users actively registered for that Provider account.

2. One or more Users cannot access TS Information once they have logged on to a Provider account. The downtime accumulated shall be calculated as:

   Σ **for affected Users of 1/n * (Access Time)**, which is the time used by each affected User to try to access data, and where "n" is the total number of Users actively registered for that Provider.

3. A **five (5) minute** penalty shall be added to the cumulative downtime for every time a User loses their connection to a Provider's account due to an OASIS Node momentary failure or problem.

002-5.5 BACKUP AND RECOVERY

The following backup and recovery requirements shall be met:

a. **Normal Backup of TS Information:** Backup of TS Information and equipment shall be provided within the OASIS Nodes so that no data or transaction logs are lost or become inaccessible by Users due to any single point of failure. Backed up data shall be no older than **30 seconds**. Single points of failure include the loss of one:

- Disk drive or other storage device
- Processor
- Inter-processor communications (e.g. LAN)
- Inter-OASIS communications
- Software application
- Database
- Communication ports for access by Users
- Any other single item which affects the access of TS Information by Users

b. **Spurious Failure Recovery Time:** After a spurious failure situation, all affected Users shall regain access to all TS Information **within 30 minutes**. A spurious failure is a temporary loss of services which can be overcome by rebooting a system or restarting a program. Permanent loss of any physical component is considered a catastrophic failure.

c. **Long-Term Backup:** Permanent loss of critical data due to a catastrophic failure shall be minimized through off-line storage on a **daily basis** and through off-site data storage on a **periodic basis**.

d. **Catastrophic Failure Recovery:** Recovery from a catastrophic failure or loss of an OASIS Node may be provided through the use of alternate OASIS Nodes which meet the same availability and response time requirements. TSIPs may set up prior agreements with other TSIPs as to which Nodes will act as backups to which other Nodes, and what procedure will be used to undertake the recovery. Recovery from a catastrophic failure shall be designed to be achieved **within 24 hours**.

002-5.6 TIME SYNCHRONIZATION

The following are the time requirements:

a. **Time Synchronization**: Time shall be synchronized on OASIS Nodes such that all time stamps will be accurate to within "0.5 second of official time. This synchronization may be handled over the network using NTP, or may be synchronized locally using time standard signals (e.g. WWVB, GPS equipment).

b. **Network Time Protocol (NTP)**: OASIS Nodes shall support the Internet tool for time synchronization, Network Time Protocol (NTP), which is described in RFC-1305, version 3, so that Users shall be able to request the display and the

downloading of current time on an OASIS Node for purposes of user applications which might be sensitive to OASIS time.

002-5.7 TS INFORMATION TIMING REQUIREMENTS

The TS Information timing requirements are as follows, except they are waived during emergencies.

a. TS Information Availability: The most recent Provider TS information shall be available on the OASIS Node within 5 minutes of its required posting time at least 98% of the time. The remaining 2% of the time the TS Information shall be available within 10 minutes of its scheduled posting time.

b. **Notification of Posted or Changed TS Information**: Notification of TS Information posted or changed by a Provider shall be made available within 60 seconds to the log. S&CP Version

c. **Acknowledgment by the TSIP**: Acknowledgment by the TSIP of the receipt of User Purchase requests shall occur within 1 minute. The actual negotiations and agreements on Purchase requests do not have time constraints.

002-5.8 TS INFORMATION ACCURACY

The following requirements relate to the accuracy of the TS information:

a. **TS Information Reasonability**: TS information posted and updated by the Provider shall be validated for reasonability and consistency through the use of limit checks and other validation methods.

b. **TS Information Accuracy**: Although precise measures of accuracy are difficult to establish, Providers shall use their best efforts to provide accurate information.

002-5.9 PERFORMANCE AUDITING

The following are the performance auditing requirements:

a. **User Help Desk Support**: TSIPs shall provide a "Help Desk" that is available at least during normal business hours (local time zone) and normal work days.

b. **Monitoring Performance Parameters**: TSIPs shall use their best efforts to monitor performance parameters. Any User shall be able to read or download these performance statistics.

002-5.10 MIGRATION REQUIREMENTS

Whenever a new version of the S&CP is to be implemented, a migration plan will be developed for cutting over to the new version.

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Document Change Log:

Date	Section	Description of Change
06/06/2007	002-1.1	Added annotations to definitions as they relate to definitions contained in other WEQ Standards.
06/06/2007	002-2.1 (d)	Revised language related to Standards of Conduct – Final Action WEQ 2007 Annual Plan Item 3(a)(2).
06/06/2007	002-3.3 (a)-(c)	Changed document section references to use the correct NAESB Standard enumeration.
06/06/2007	002-3.4 (b)	Divided section for informational postings into requirements for INFO.HTM and new section for Standards of Conduct posting requirements. Per Final Action WEQ 2007 Annual Plan Item 3(a)(2)
06/06/2007	002-3.4 (b)(i)	Revised reference to WEQ 002-4.5 instead of section 4.5 – even though Final Action reflected "section"
06/06/2007	002-3.4(b)(ii)(k)	Subsection k deleted per Final Action WEQ 2007 Annual Plan Item 3(a)(2)
06/06/2007	002-3.6	Revised references to NAESB standards
06/06/2007	002-3.6 (b)	Typographical error.
06/06/2007	002-4.2.3.1	Changed document section references to use the correct NAESB Standard enumeration.
06/06/2007	002-4.2.7.5	Changed document section references to use the correct NAESB Standard enumeration.
06/06/2007	002-4.2.7.6	Changed document section references to use the correct NAESB Standard enumeration.
06/06/2007	002-4.2.10	The introduction to the OASIS transaction process refers the reader to the Implementation Guide for specific detailed information on this process.
06/06/2007	002-4.2.10.1	The detailed description of the general OASIS transaction process has been moved to the OASIS Implementation Guide WEQ_013-2. This section introduces use of REQUEST_TYPE data element and refers to the Implementation Guide for specific information related to REQUEST_TYPE.
06/06/2007	002-4.2.10.2	The detailed definitions for the STATUS data element and the STATUS transition state diagram have been moved to the OASIS Implementation Guide WEQ 013-2.2. This section introduces use of STATUS data element and refers to the Implementation Guide for specific

		information related to STATUS.
06/06/2007	002-4.2.12	Moved examples to the OASIS Implementation Guide WEQ 013-4.2.
06/06/2007	002-4.2.13	The information in this section and all subsections has been moved to the OASIS Implementation Guide WEQ 013-2.3 through 2.6 and expanded for clarity.
06/06/2007	002-4.3.6.1	Add RELINQUISH to recognized REQUEST_TYPES (Final Action R04006C1)
06/06/2007	002-4.3.6.2	Reference to specific enumerated values for REQUEST_TYPE and STATUS has been removed.
06/06/2007	002-4.3.6.3	Reference to specific enumerated values for STATUS has been removed.
06/06/2007	002-4.3.6.4	Reference to specific enumerated values for STATUS has been removed.
06/06/2007	002-4.3.8.2	Reference to specific enumerated values for STATUS has been removed.
06/06/2007	002-4.3.8.3	Reference to specific enumerated values for STATUS has been removed.
06/06/2007	002-4.3.8.4	Reference to specific enumerated values for STATUS has been removed.
06/06/2007	002-4.3.10.4	Changed specific reference to FERC Statutes with reference to WEQ 009 Standards of Conduct Standards.
06/06/2007	002-4.3.10.5	Changed specific reference to FERC Statutes with reference to WEQ 009 Standards of Conduct Standards.
06/06/2007	002-4.3.10.6	Changed specific reference to FERC Statutes with reference to WEQ 009 Standards of Conduct Standards.
06/06/2007	002-4.4	The contents of this section and all subsections have been moved to the OASIS Implementation Guide WEQ 013-4.1.
06/06/2007	002-4.5	This section was subdivided into two subsections to describe the requirements for information posted on INFO.HTM and new posting requirements for specific Standards of Conduct related information, under WEQ009.
09/10/2007	Various	Minor edits including spacing, grammatical changes resulting from review using Microsoft Word Spelling and Grammar Check function.
09/10/2007	Various	Formatted OASIS template names so all template names when referenced in paragraphs are designated ***bold/italicized.***
09/10/2007	Header	Added reference to indicate the OASIS Version Number
09/10/2007	002-2.3 (d)	Changed HTTP Version
09/10/2007	002-3.3 (e)	Removed parenthetical phrase “(such as fetch http)”
09/10/2007	002-4.2.2	Corrected reference for OASIS data dictionary.
09/10/2007	002-4.2.7.2	Revised example to be consistent with

		other examples contained in the business practice including: adding version number and removing brackets around data value.
09/10/2007	002-4.2.7.3	Revised example to be consistent with other examples contained in the business practice including: adding version number.
09/10/2007	002-4.2.10.3.1	Revised examples. Removed double quotes and comma from value of STATUS_NOTIFICATION Data Element. In content type example provided data values and added return characters to be consistent with other examples.
09/10/2007	002-4.3	Corrected reference for OASIS data dictionary.
09/10/2007	002-4.3.4.1	In sixth paragraph corrected template reference.
09/10/2007	002-4.3.4.2	Changed references of "Security Coordinator" to "Reliability Coordinator" and "Control Area" to "Balancing Area" to be consistent with current NERC terminology.
09/10/2007	002-4.3.10.4	Revised introductory sentence so English version and OASIS version of template name are both listed consistent with other sections of the document.
09/10/2007	002-4.3.10.5	Revised introductory sentence so English version and OASIS version of template name are both listed consistent with other sections of the document.
09/10/2007	002-4.3.10.6	Revised introductory sentence so English version and OASIS version of template name are both listed consistent with other sections of the document.
09/10/2007	002-4.3.11	Corrected OASIS template name. Changed "dtsconductaudit" to "stdconductaudit".

Business Practices Requirements:

002-1 INTRODUCTION

002-1.1 DEFINITION OF TERMS

The following definitions are offered to clarify discussions of the OASIS in this document.

a. **Transmission Services Information (TS Information)** is transmission and ancillary services information that must be made available by public utilities on a non-discriminatory basis to meet the regulatory requirements of transmission open access.
b. **Open Access Same-Time Information System (OASIS)** comprises the computer systems and associated communications facilities that public utilities are required to provide for the purpose of making available to all transmission users comparable interactions with TS Information.

c. **Open Access Same-Time Information System Node (OASIS Node)** is a subsystem of the OASIS. It is one computer system in the (OASIS) that provides access to TS Information to a Transmission Customer.
d. **Transmission Provider (TP or Primary Provider)** is the public utility (or its designated agent)
that owns, operates or controls facilities used for the transmission of electric energy in interstate commerce. (Consistent with the definition in WEQ 001-0.11).
e. **Transmission Customer (TC or Customer)** is any eligible Customer (or its designated agent) that can or does execute a transmission service agreement or can or does receive transmission service. (Consistent with the definition in WEQ 001-0.12).
f. **Secondary Transmission Provider (ST, Reseller, or Secondary Provider)** is any Customer who offers to sell transmission capacity it has purchased. (12 Consistent with the definition of WEQ 001-0.10).
g. **Transmission Services Information Provider (TSIP)** is a Transmission Provider or an agent to whom the Transmission Provider has delegated the responsibility of meeting any of the requirements associated with OASIS. (Consistent with the definition of Responsible Party in WEQ 001-0.9).
h. **Value-Added Transmission Services Information Provider (VTSIP)** is an entity who uses TS Information in the same manner as a Customer and provides value-added information services to its Customers.

002-2 NETWORK ARCHITECTURE REQUIREMENTS

002-2.1 ARCHITECTURE OF OASIS NODES

a. **Permit Use of Any OASIS Node Computers:** TSIPs shall be permitted to use any computer systems as an OASIS Node, so long as they meet the OASIS requirements.

b. **Permit Use of Any Customer Computers:** OASIS Nodes shall permit the use by Customers of any commonly available computer systems, as long as they support the required communication links to the Internet.

c. **Permit the Offering of Value-Added Services:** TSIPs are required, upon request, to provide their Customers the use of private network connections on a cost recovery basis. Additional services that are beyond the scope of the minimum OASIS requirements are also permitted. When provided, these private connections and additional services shall be offered on a fair and non-discriminatory basis to all Customers who might choose to use these services.

d. **Permit Use of Existing Communications Facilities:** In implementing the OASIS, the use of existing communications facilities shall be permitted. The use of OASIS communication facilities for the exchange of information beyond that required for open transmission access (e.g., transfer of system security or operations data between regional control centers) shall also be permitted, provided that such use does not negatively impact the exchange of open transmission access data and is consistent with the applicable Standards of Conduct regulations.

e. **Single or Multiple Providers per Node:** An OASIS Node may support a single individual Primary Provider (plus any Secondary Providers) or may support many Primary Providers.

002-2.2 INTERNET-BASED OASIS NETWORK

a. **Internet Compatibility:** All OASIS Nodes shall support the use of internet tools, internet directory services, and internet communication protocols necessary to support the Information Access requirements stated in Section 4.

b. **Connection through the Public Internet:** Connection of OASIS Nodes to the public Internet is required so that Users may access them through Internet links. This connection shall be made through a firewall to improve security.

c. **Connection to a Private Internet Network:** OASIS Nodes shall support private connections to any OASIS User (User) who requests such a connection. The TSIP is permitted to charge the User, based on cost, for these connections. The same internet tools shall be required for these private networks as are required for the public Internet. Private connections must be provided to all users on a fair and nondiscriminatory basis.

d. **Internet Communications Channel:** The OASIS Nodes shall utilize a communication channel to the Internet which is adequate to support the performance requirements given the number of Users subscribed to the Providers on the Node (see Section 5.3).

002-2.3 COMMUNICATION STANDARDS REQUIRED

a. **Point-to-Point Protocol (PPP) and Internet Protocol Control Protocol (IPCP)** (reference RFCs 1331 and 1332) shall be supported for private internet network dial-up connections.

b. **Serial Line Internet Protocol (SLIP)** (reference RFC 1055) shall be supported for private internet network dial-up connections.

c. **Transport Control Protocol and Internet Protocol (TCP/IP)** shall be the only protocol set used between OASIS Nodes whenever they are directly interconnected, or between OASIS Nodes and Users using private leased line internet network connections.

d. **Hyper Text Transport Protocol (HTTP)**, Version 1.1~~0~~ (RFC 2616~~1945~~), shall be supported by TSIPs so that Users= web browsers can use it to select information for viewing displays and for downloading and uploading files electronically.

e. **Internet Protocol Address:** All OASIS Nodes are required to use an IP address registered with the Internet Network Information Center (InterNIC), even if private connections are used.

002-2.4 INTERNET TOOL REQUIREMENTS

Support for the following specific internet tools is required, both for use over the public Internet as well as for any private connections between Users and OASIS Nodes:

a. **Browser Support:** OASIS Nodes shall insure that Users running minimally either Netscape's Navigator version 4.0.x or Microsoft's Internet Explorer version 4.0.x browsers (or any other commercially or privately available browser supporting that set of capabilities common to both of these industry standard browsers) shall have a fully functional user interface based on the Interface Requirements defined in Section 4.

b. **HTML Forms** shall be provided by the TSIPs to allow Customers to enter information to the OASIS Node.

c. **Domain Name Service (DNS)** (ref. RFC 1034, 1035) shall be provided as a minimum by the TSIPs (or their Internet Service Provider) for the resolution of IP addresses to allow Users to navigate easily between OASIS Nodes.

d. **Simple Network Management Protocol (SNMP)** is recommended but not required to provide tools for operating and managing the network, if private interconnections between OASIS Nodes are established.

e. **The Primary Provider shall support E-mail** for exchanges with Customers, including the sending of attachments. The protocols supported shall include, as a minimum, the Simple Messaging Transfer Protocol (SMTP), Post Office Protocol (POP), and Multipurpose Internet Mail Extensions (MIME).

002-2.5 NAVIGATION AND INTERCONNECTIVITY BETWEEN OASIS NODES

a. **World Wide Web Browsers:** TSIPs shall permit Users to navigate using WWW browsers for accessing different sets of TS Information from one Provider, or for getting to TS Information from different Providers on the same OASIS Node. These navigation methods shall not favor User access to any Provider over another Provider, including Secondary Providers.

b. **Internet Interconnection across OASIS Nodes:** Navigation tools shall not only support navigation within the TSIP's Node, but also across interconnected OASIS Nodes. This navigation capability across interconnected Nodes shall, as a minimum, be possible through the public Internet.

002-3 INFORMATION ACCESS REQUIREMENTS

002-3.1 REGISTRATION AND LOGIN REQUIREMENTS

a. **Location of Providers:** To provide Users with the information necessary to access the desired Provider, all Primary Providers shall register their OASIS Node URL address with www.tsin.com. This URL address should include the unique four letter acronym the Primary Provider will use as the PRIMARY_PROVIDER_CODE.

b. **Initial User Registration:** TSIPs shall require Users to register with a Primary Provider before they are permitted to access the Provider's TS

Information. There must be a reference pointing to registration procedures on each Primary Provider's home page. Registration procedures may vary with the administrative requirements of each Primary Provider.

c. **Initial Access Privileges:** Initial registration shall permit a User only the minimum Access Privileges. A User and a Primary Provider shall mutually determine what access privilege the User is permitted. The TSIP shall set a User's Access Privilege as authorized by the Primary Provider.

d. **User Login:** After registration, Users shall be required to login every time they establish a dial-up connection. If a direct, permanent connection has been established, Users shall be required to login initially or any time the connection is lost. Use of alternative forms of login and authentication using certificates and public key standards is acceptable.

e. **User Logout:** Users shall be automatically logged out any time they are disconnected. Users may logout voluntarily.

002-3.2 SERVICE LEVEL AGREEMENTS

Service Level Agreements: It is recognized that Users will have different requirements for frequency of access, performance, etc., based on their unique business needs. To accommodate these differing requirements, TSIPs shall be required to establish a "Service Level Agreement" with each User, which specifies the terms and conditions for access to the information posted by the Providers. The default Service Level Agreement shall be Internet access with the OASIS Node meeting all minimum performance requirements.

002-3.3 ACCESS TO INFORMATION

a. **Display:** TSIPs shall format all TS Information in HTML format such that it may be viewed and read directly by Users without requiring them to download it. This information shall be in clear English as much as possible, with the definitions of any mnemonics or abbreviations available on-line. The minimum information that is to be displayed is provided in the Templates in Standards WEQ 002-4.3.

b. **Read-Only Access to TS Information:** For security reasons, Users shall have read-only access to the TS Information. They shall not be permitted to enter any information except where explicitly allowed, such as HTML transaction request forms or by the Templates in Standards WEQ 002-4.3.

c. **Downloading Capability:** Users shall be able to download from an OASIS Node the TS Information in electronic format as a file. The rules for formatting of this data are described in Standards WEQ 002-4.2.

d. **On-Line Data Entry on Forms:** Customers shall be permitted to fill out on-line the HTML forms supplied by the TSIPs, for requesting the purchase of services and for posting of products for sale (by Customers who are Resellers). Customers shall also be permitted to fill-out and post Want- Ads.

e. **Uploading Capability:** Customers shall be able to upload to OASIS Nodes the filled-out forms. TSIPs shall ensure that these uploaded forms are handled identically to forms filled out on-line. TSIPs shall provide forms that support the HTTP input of Comma Separated Variable (CSV) records. This capability shall permit a Customer to upload CSV records using standard Web browsers or additional client software ~~(such as fetch_http)~~ to specify the location of the CSV records stored on the Customer's hard disk.

f. **Selection of TS Information:** Users shall be able to dynamically select the TS Information they want to view and/or download. This selection shall be, as a minimum, through navigation to text displays, the use of pull-down menus to select information for display, data entry into forms for initiating queries, and the selection of files to download via menus.

002-3.4 PROVIDER UPDATING REQUIREMENTS

The following are the Provider update requirements:

a. **Provider Posting of TS Information**: Each Provider (including Secondary Providers and Value-Added Providers) shall be responsible for writing (posting) and updating TS Information on their OASIS Node. No User shall be permitted to modify a Provider's Information.

b. **General Postings**

(i) **INFO.HTM:** Each Provider shall provide general information on how to use their node and describe all special aspects, such as line losses, congestion charges and assistance. The address for the directory of this information shall be INFO.HTM (case sensitive), an HTML web page, linked to the Provider's registered URL address. See WEQ 002-4.5 for information required to be on the web page INFO.HTM.

(ii) **Standards of Conduct:** The Transmission Provider shall establish a link entitled “Standards of Conduct,” located on the OASIS home page at the Transmission Provider’s registered URL address.

c. **OASIS Node Space for Secondary Provider**: To permit Users to readily find TS Information for the transmission systems that they are interested in, TSIPs shall provide database space on their OASIS Node for all Secondary Providers who have purchased, and who request to resell, transmission access rights for the power systems of the Primary Providers supported by that Node.

d. **Secondary Provider Posting to Primary Provider Node**: The Secondary Providers shall post the relevant TS Information on the OASIS Node associated with each Primary Provider from whom the transmission access rights were originally purchased.

e. **Secondary Provider Posting Capabilities**: The TSIPs shall ensure that the Secondary Providers shall be able to post their TS Information to the appropriate OASIS Nodes using the same tools and capabilities as the Customers, meet the same performance criteria as the Primary Providers, and allow users to view these postings on the same display page, using the same tables, as similar capacity being sold by the Primary Providers.

f. **Free-Form Posting of non-TS Information**: The TSIP shall ensure that Providers and Customers may post non-TS Information, such as Want-Ads and that this information is easily accessible by all Users. The TSIP shall be allowed to limit the volume and/or to charge for the posting of non-TS Information.

g. **Time Stamps**: All TS Information shall be associated with a time stamp to show when it was posted to the OASIS Node.

h. **Transaction Tracking by an Assignment Reference Number**: All requests for purchase of transmission or ancillary services will be marked by a unique accounting number, called an assignment reference.

i. **Time-Stamped OASIS Audit Log**: All posting of TS Information, all updating of TS Information, all User logins and disconnects, all User download requests, all Service Requests, and all other transactions shall be time stamped and stored in an OASIS Audit Log. This OASIS Audit Log shall be the official record of interactions, and shall be maintained on-line for download for at least 90 days. Changes in the values of posted Capacity (Available Transfer Capability) must be stored in the on-line Audit Log for 20 days. Audit records must be maintained for 3 years off-line and available in electronic form within seven days of a Customer request.

j. **Studies:** A summary description with dates, and programs used of all transmission studies used to prepare data for the Primary Provider's ATC and TTC calculation will be provided along with information as to how to obtain the study data and results.

002-3.5 ACCESS TO CHANGED INFORMATION

a. **General Message & Log:** TSIPs shall post a general message and log that may be read by Users. The message shall state that the Provider has updated some information, and shall contain (or point to) a reverse chronological log of those changes. This log may be the same as the Audit Log. The User may use the manual capability to see the message.

b. **TSIP Notification Design Responsibilities:** The TSIP shall avoid a design that could cause serious performance problems by necessitating frequent requests for information from many Users.

002-3.6 USER INTERACTION WITH AN OASIS NODE

There are three basic types of User interactions which must be supported by the OASIS Node. These interactions are defined in WEQ 002-4.3.

a. **Query/Response:** The simplest level of interactions is the query of posted information and the corresponding response. The User may determine the scope of the information queried by specifying values, through an HTML form, a URL string, or an uploaded file, using Query Variables and their associated

input values as defined with each Template in WEQ 002-4.3. The response will be either an HTML display or a record oriented file, depending on the output format that the User requests. The TSIP may establish procedures to restrict the size of the response, if an overly broad query could result in a response that degrades the overall performance of the OASIS Node for their Users.

b. **Purchase Request:** The second type of Customer interaction is the submittal of a request to purchase a service. The Customer completes an input form, a URL string or uploads a file and submits it to the OASIS Node. The uploaded file can either be a series of Query Variables or a record oriented file. The Seller of the service, possibly off-line from the OASIS Node, processes the request and the status is updated accordingly. If the Seller approves the purchase request, then the Customer must again confirmed it. Once the Customer confirms an approved purchase, a reservation for those services is considered to exist, unless later the reservation is reassigned, displaced, or annulled.

c. **Upload and Modify Postings:** Customers who wish to resell their rights may upload a form, create the appropriate URL or upload a file to post services for sale. A similar process applies to eligible Third Party Sellers of ancillary services. The products are posted by the TSIP. The seller may monitor the status of the services by requesting status information. Similarly the Seller may modify its posted transmission services by submitting a service modification request through a form, a URL query, or by uploading a file.

002-4 INTERFACE REQUIREMENTS

002-4.1 INFORMATION MODEL CONCEPTS

a. **ASCII-Based OASIS Templates:** For providing information to Users, TSIPs shall use the specified OASIS Templates. These Templates define the information that must be presented to Users, both in the form of graphical displays and as downloaded files. Users shall be able to request Template information using query-response data flows. The OASIS Templates are described in section 4.3. The Data Element Dictionary, which defines the Data Elements in the OASIS Templates, is provided in WEQ 003. Data elements must be used in the exact sequence and number as shown in the Templates when file uploads and downloads are used. Although the contents of the graphical displays are precisely defined as the same information as in the Templates, the actual graphical display formats of the TS information are beyond the scope of the OASIS requirements. Due to the nature of graphical displays, there may be more than one graphical display used to convey the information in a single Template.

b. **ASCII-Based OASIS File Structures:** For uploading requests from and downloading information to Users, TSIPs shall use specific file structures that are defined for OASIS Template information (see WEQ 002-4.2). These file structures are based on the use of headers that contain the Query Variable information, including the name of the OASIS Template. These headers thus determine the contents and the format of the data that follows. Although headers may not be essential if file transfers contain the exact sequence and number of Data Elements as the Templates, this feature is being preserved for possible future use when additional flexibility may be allowed.

002-4.2 OASIS NODE CONVENTIONS AND STRUCTURES

002-4.2.1 OASIS Node Naming Requirements

The following naming conventions shall be used to locate information posted on an OASIS Node. OASIS naming conventions shall conform to standard URL structures.

002-4.2.1.1 OASIS Node Names

In order to provide a consistent method for locating an OASIS Node, the standard Internet naming convention shall be used. All OASIS Node names shall be unique. Each Primary Provider OASIS Node name and home directory shall be registered with the master OASIS directory site at http://www.tsin.com. OASIS Node names shall be stored in an Internet DNS name directory.

002-4.2.1.2 OASIS Node and Primary Provider Home Directory

The home directory name on an OASIS Node shall be "OASIS" (all upper case) to identify that the directory is related to the OASIS. The directory of each Primary Provider shall be listed under the "OASIS" directory:

http://(OASIS Node name)/OASIS/(PRIMARY_PROVIDER_CODE)

Where:

(OASIS Node name) is the World Wide Web URL address of the OASIS Information Provider.

(PRIMARY_PROVIDER_CODE) (Case sensitive) is the 4-character acronym of the primary provider.

PRIMARY_PROVIDER_CODEs shall be registered with the master OASIS directory site at http://www.tsin.com. A pointer to user registration information shall be located on the Primary Provider's home page.

002-4.2.1.3 Script Names

Common Gateway Interface (CGI) scripts shall be located in the directory "data" as follows (case sensitive): **http://(OASIS Node name)/OASIS/ (PRIMARY_PROVIDER_CODE) /data/(cgi script name)?(Query Variables)**

Where:

(**cgi script name**) is the OASIS Template name in lower case (see Section 4.3). Other cgi scripts may be defined as required to implement the HTML interface to the documented Templates.

(**Query Variables**) is a list of query variables with their settings formatted as defined by the HTTP protocol (i.e., URL encoded separated by ampersands).

Example:

To request the hourly schedule Template at Primary Provider WXYZ Co.

http://www.wxyz.com/OASIS/WXYZ/data/schedule ?templ=schedule& ver=1.2& fmt=data &stime=19960412040000PD &sptime=19960412100000PD& pprov=wxyz

002-4.2.2 Data Element Dictionary

The following are the requirements for the Data Element Dictionary:

a. Definition of OASIS Information Elements: All OASIS Information Data Elements shall be defined in the Data Element Dictionary which will be stored in the OASIS Node directory:

- **http://(OASISNode Name)/OASIS/(PRIMARY_PROVIDER_CODE)/ (datadic.htm | datadic.txt)**
- Where:
- **datadic.htm is the HTML version of the Data Element dictionary (case sensitive)**
- **datadic.txt is the ASCII text version of the Data Element dictionary (case sensitive)**
- The Data Element Dictionary is defined in ~~Appendix A~~Open Access Same-Time Information Systems (OASIS) Data Dictionary WEQ 003.

b. **Provider-specific Data Element Values:** The valid values that certain OASIS Information Data Elements may take on, such as PATH_NAME, etc., are unique to a Primary Provider. Names that must be uniquely identified by Primary Provider shall be listed on-line on the OASIS Node via the ~~LIST~~ ***list*** Template (see Section 4.3.5). In posting OASIS information associated with Data Elements which are not free-form text, TSIPs shall use only the accepted Data Element values listed in the Data Element Dictionary and/or those values posted in the ~~LIST~~ ***list*** of provider specific names provided on the OASIS Node.

002-4.2.3 OASIS Template Constructs

002-4.2.3.1 Template Construction

Standard 002-4.3 lists the set of OASIS Templates that shall be supported by all OASIS Nodes. These OASIS Templates are intended to be used precisely as shown for the transfer of data to/from OASIS Nodes, and identify, by Data Elements names, the information to be transferred. The construction of the OASIS Templates shall follow the rules described below:

a. **Unique OASIS Template Name:** Each type of OASIS Template shall be identified with a unique name which shall be displayed to the User whenever the OASIS Template is accessed.

b. **Transfer Protocol:** OASIS Templates are transferred using the HTTP protocol. Templates shall support both the "GET" and "POST" methods for

transferring "query string" name/value pairs, as well as the OASIS specific "comma separated value" (CSV) format for posting and retrieval of information from OASIS Nodes. HTML screens and forms shall be implemented for each OASIS Template.

c. **Source Information:** Each OASIS Template shall identify the source of its information by including or linking to the name of the Primary Provider, the Secondary Provider, or the Customer who provided the information.

d. **Time Of Last Update:** Each OASIS Template shall include a time indicating when it was created or whenever the value of any Data Element was changed.

e. **Data Elements:** OASIS Templates shall define the elementary Data Element Dictionary names for the data values to be transferred or displayed for that Template.

f. **Documentation:** OASIS Information shall be in non-cryptic English, with all mnemonics defined in the Data Element Dictionary or a glossary of terms. TSIPs shall provide on-line descriptions and help screens to assist Users understanding the displayed information. Documentation of all formats, contents, and mnemonics shall be available both as displays and as files that can be downloaded electronically. In order to meet the "User-Friendly" goal and permit the flexibility of the OASIS Nodes to expand to meet new requirements, the OASIS Templates shall be as self-descriptive as possible.

002-4.2.3.2 Template Categories

OASIS Templates are grouped into the following two major categories:

a. **Query/Response:** These Templates are used to query and display information posted on an OASIS Node. Each query/response Template accepts a set of user specified Query Variables and returns the appropriate information from data posted on the OASIS Node based on those Query Variables. The valid Query Variables and information to be returned in response are identified by Data Element in Section 4.3.

b. **Input/Response**: These Templates are used to upload/input information on an OASIS Node. The required input information and information to be returned in response are identified by Data Element in Section 4.3, Template Descriptions.

002-4.2.3.3 Template HTML Screens

Though the exact form and content of the HTML screens and forms associated with the OASIS Templates are not dictated by this document, the following guidelines shall be adhered to for all HTML screens and forms implemented on an OASIS Node:

a. **Data Element Headings:** Data displayed in an HTML screen/form shall be labeled such that the associated data value(s) is(are) easily and readily identifiable as being associated with a particular OASIS Template Data Element. HTML "Hot-Links" or other pointer mechanisms may be provided for Data Element headings in OASIS Templates which permit the User to access

documentation describing the meaning, type, and format of the associated data.

b. **Display Limitations:** HTML screens and forms shall be implemented in such a way to allow the display of all data specified for each OASIS Template. This may take the form of "wrapping" of lines of information on the screen, the use of horizontal and/or vertical scrolling, or the use of "Hot-Links" or other pointer mechanisms. There is not necessarily a one-to-one relationship between HTML screens implemented on OASIS Nodes, and their associated Template. However, all Template Data Elements shall be viewable through one or more HTML screens.

c. **Template Navigation:** HTML "Hot-Links" or other pointer mechanisms may be provided to assist the navigation between screens/forms associated with related OASIS Templates.

002-4.2.4 Query/Response Template Requirements

Retrieval of information posted on an OASIS Node is supported by the Query/Response Templates. The "query" identifies the OASIS Template and optionally supplies additional Data Elements that may be used to select specific information to be returned in the "response".

002-4.2.4.1 Query Requirements

Query information is transferred to an OASIS Node using the HTTP protocol as a string of Query Variables in the form of name/value pairs. Query Variable name/value pairs are specified as a collection of encoded strings (e.g., blank characters replaced by plus (+) character, etc.) in the form of **name=value**, with each name/value pair separated by ampersands (&) (see section 4.2.6). OASIS Nodes shall support the following methods for Users to input Query information:

a. **HTML:** HTML FORM input and/or hypertext links shall be provided to allow Users to specify OASIS Template Query Variables. This will be the easiest way to obtain information and should be the choice of most casual Users and for simple requests. The exact nature and form of these HTML screens are not specified, and may differ between OASIS Nodes.

b. **GET Method:** The HTTP GET method for specifying query information appended to a standard OASIS URL shall be supported. Using this method, the **name=value** formatted Query Variables preceded by a question mark (?) are appended to the URL. Each "name" in a name/value pair corresponds to a Data Element name associated with that Template. OASIS Nodes shall support the specification of all Data Elements associated with a Template by both their full name and alias as defined in the Data Dictionary. The "value" in a name/value pair represents the value to be associated with the Data Element being specified in the appropriate format as defined in the Data Dictionary and encoded according to the HTTP protocol.

c. **POST Method:** The HTTP POST method for specifying query information in the message body shall be supported. Using this method, the **name=value**

formatted Query Variables shall be transferred to an OASIS Node using the "**Content-length:**" HTTP header to define the length in bytes of the encoded query string and the "**Content-type: application/x-www-form-urlencoded**" HTTP header to identify the data type included in the message body. Each "name" in a name/value pair corresponds to a Data Element name associated with that Template. An OASIS Node shall support the specification of all Data Elements associated with a Template by both their full name and alias as defined in the Data Dictionary. The "value" in a name/value pair represents the value to be associated with the Data Element being specified in the appropriate format as defined in the Data Dictionary and encoded according to the HTTP protocol.

User queries using any of the above methods are supported directly by the User's web browser software. More sophisticated data transfer mechanisms, such as the automated querying of information based on Query Variable strings contained in a User data file (i.e., "uploading a file containing a URL string), require appropriate software (e.g., "fetch_http") running on the User's computer system to effect the data transfer.

002-4.2.4.2 Response Requirements

In response to a validly formatted Query for each Query/Response OASIS Template, the OASIS Node shall return the requested information in one of two forms based on the User specified OUTPUT_FORMAT Query Variable:

a. **HTML:** If the User requests the response to have the format of "HTML" (OUTPUT_FORMAT=HTML) then the response from the OASIS Node shall be a web page using the HTML format. This shall be the default for all Query/Response Templates.

b. **CSV Format:** Comma Separated Value (CSV) format (OUTPUT_FORMAT=DATA) returns the requested information in the body of the HTTP response message. The "**Content-length:**" HTTP header shall define the length in bytes of the response, and the "**Content-type: text/x-oasis-csv**" HTTP header shall be used to identify the data type included in the message body (see CSV File Format).

002-4.2.5 Input/Response Template Requirements

Input/Response Templates support the posting of information on an OASIS Node, including reservations for transmission/ancillary service and services for sale on the secondary market, etc. The "input" identifies the required data associated with an OASIS Template to be posted on the OASIS Node, and the "response" specifies the information returned to the User.

002-4.2.5.1 Input Requirements

Input information is transferred to an OASIS Node using the HTTP protocol as either a string of Query Variables in the form of name/value pairs, or as a Comma Separated Value (CSV) message. Query Variable name/value pairs are specified as a collection of encoded strings (e.g., blank characters replaced by plus (+) character, etc.) in the form of **name=value**, with each name/value

pair separated by ampersands (&). CSV formatted messages are specified in the body of an HTTP message as a series of Data Records preceded by a fixed set of header records (see section 4.2.7). OASIS Nodes shall support the following methods for Users to transfer Input data:

a. **HTML:** HTML FORM input shall be provided to allow Users to specify the necessary Input data associated with each Input/Response OASIS Template. This may be in the form of fill in blanks, buttons, pull-down selections, etc., and may use either the GET or POST methods. The exact nature and form of these HTML screens are not specified, and may differ between OASIS Nodes.

b. **GET Method:** The HTTP GET method for specifying Input information in the form of a query string appended to a standard OASIS URL shall be supported. Using this method, the **name=value** formatted Query Variables preceded by a question mark (?) are appended to the URL. Each "name" in a name/value pair corresponds to a Data Element name associated with that Template. OASIS Nodes shall support the specification of all Data Elements associated with a Template by both their full name and alias as defined in the Data Dictionary. The "value" in a name/value pair represents the value to be associated with the Data Element being specified in the appropriate format as defined in the Data Dictionary and encoded according to the HTTP protocol.

c. **POST Method:** The HTTP POST method for specifying Input information in the form of a query string in the message body shall be supported. Using this method, the **name=value** formatted Query Variables shall be transferred to an OASIS Node using the "**Content-length:**" HTTP header to define the length in bytes of the encoded query string and the "**Content-type: application/x-www-form-urlencoded**" HTTP header to identify the data type included in the message body. Each "name" in a name/value pair corresponds to a Data Element name associated with that Template. OASIS Nodes shall support the specification of all Data Elements associated with a Template by both their full name and alias as defined in the Data Dictionary. The "value" in a name/value pair represents the value to be associated with the Data Element being specified in the appropriate format as defined in the Data Dictionary and encoded according to the HTTP protocol.

d. **CSV Format:** Comma Separated Value (CSV) formatted Input information transferred in the body of a User's HTTP message shall be supported. The "**Content-length:**" HTTP header shall define the length in bytes of the Input, and the "**Content-type: text/x-oasis-csv"** HTTP header shall be used to identify the data type included in the message body.

002-4.2.5.2 Response to Input

In response to a validly formatted Input for each Input/Response OASIS Template, the OASIS Node shall return an indication as to the success/failure of the requested action. The OASIS Node shall respond to the Input in one of two forms, based on the OUTPUT_FORMAT, which was input by a User either as a Query Variable or in a CSV format Header Record:

a. **HTML:** If the User requests the response to have the format of "HTML" (OUTPUT_FORMAT =HTML) then the response from the OASIS Node shall be a web page using the HTML format. This shall be the default for all

Input/Response Templates invoked using either the FORM~~,~~ GET or POST methods of input.

b. **CSV Format:** Comma Separated Value (CSV) format (OUTPUT_FORMAT=DATA) returns the response information in the body of the HTTP response message. The "**Content-length:**" HTTP header shall define the length in bytes of the response, and the "**Content-type: text/xoasis-csv"** HTTP header shall be used to identify the data type included in the message body. This shall be the default for all Input/Response Templates invoked using the CSV Format methods of input.

002-4.2.6 Query Variables

002-4.2.6.1 General

Both Query/Response and Input/Response OASIS Templates shall support the specification of a query string consisting of Query Variables formatted as name/value pairs. OASIS Nodes shall support the specification of Data Element names ("name" portion of **name=value** pair) in both the full name and alias forms defined in the Data Dictionary. OASIS Nodes shall support the specification of Query Variables from the User using either the HTTP GET or POST methods. On input, Data Element names and associated values shall be accepted and processed without regard to case. On output, Data Element names and associated values may not necessarily retain the input case, and could be returned in either upper or lower case.

002-4.2.6.2 Standard Header Query Variables

The following standard Query Variable Data Elements shall be supported for all OASIS Templates and must be entered for each Query by a User:

VERSION
TEMPLATE
OUTPUT_FORMAT
PRIMARY_PROVIDER_CODE
PRIMARY_PROVIDER_DUNS
RETURN_TZ

Since these header Query Variables must be supported for all Templates, they are not listed explicitly in the Template descriptions in Section 4.3 The User must enter all standard Header Query Variables with appropriate values.

002-4.2.6.3 Responses to Queries

Responses to Queries will include the following information as a minimum:

TIME_STAMP
VERSION
TEMPLATE
OUTPUT_FORMAT
PRIMARY_PROVIDER_CODE
PRIMARY_PROVIDER_DUNS

RETURN_TZ

The additional information shall include:

a. The requested information as defined by the Template indicated in the Query

b. For CSV downloads, the additional header Data Elements required (see section 4.2.7.3)

002-4.2.6.4 Multiple Instances

Certain Query Variables may be repeated in a given Query/Response OASIS Template query string. Such multiple instances are documented in the Template definitions using an asterisk (*) after the Query Variable. When more than one instance of the Query Variable is specified in the query string, OASIS Nodes shall recognize such multiple instances by either the Data Element's full name or alias suffixed with sequential numeric qualifiers starting with the number 1, (e.g., PATH_NAME1=abc&PATH_NAME2=xyz, or PATH1=abc&PATH2=xyz). At least 4 multiple instances will be permitted for each Query Variable marked with an asterisk (*).

002-4.2.6.5 Logical Operations

OASIS Nodes shall use the following logical operations when processing Query Variables for Query/Response OASIS Templates.

a. All Query Variables, with the exception of multiple instances of the same Query Variable Data Element, shall be operated on to return information based on the logical- AND of those Query Variables. For example, the query string "SELLER_CODE=abc &PATH=xyz" should return information associated with only those records that are on transmission path "xyz" AND associated with transmission provider "abc."

b. Multiple instances of the same Query Variable shall be operated on as logical-OR. For example, "SELLER_CODE=abc &PATH1=xyz&PATH2=opq" should return information associated with transmission provider "abc" AND either transmission path "xyz" OR transmission path "opq". Some logical operations may exclude all possibilities, such that the responses may not contain any data.

002-4.2.6.6 Handling of Time Data Elements

a. In cases where a single Query Variable is provided to select information associated with a single Template Data Element that represents a point in time (e.g., TIME_OF_LAST_UPDATE), OASIS Nodes shall return to the User all requested information whose associated Data Element time value (e.g. TIME_OF_LAST_UPDATE) is equal to or later than the value specified by the Query Variable. In this case the stop time is implicitly "now".

b. A pair of Query Variables (e.g. START_TIME_QUEUED and STOP_TIME_QUEUED) that represents the start and stop of a time interval but is associated with one single Template Data Element (e.g. TIME_QUEUED)

shall be handled by OASIS Nodes to return to the User all requested information whose associated Data Element time value falls within the specified time interval.

c. A pair of Query Variables (e.g. START_TIME and STOP_TIME Query Variables) that represents the start and stop of one time interval but is associated with another pair of Template Data Elements (e.g. START_TIME and STOP_TIME of a service offering) that represents a second time interval, shall be handled by OASIS Nodes to return to the User all requested information whose associated Data Element time interval overlaps any portion of the specified time interval. Specifically, the START_TIME Query Variable selects all information whose STOP_TIME Data Element value is later than the START_TIME Query Variable, and the STOP_TIME Query Variable selects all information whose START_TIME Data Element value is earlier than the STOP_TIME Query Variable. For example:

> The ***transoffering*** Template query string "START_TIME 970101000000ES&STOP_TIME 970201000000ES" shall select from the OASIS database all associated offerings whose start/stop times overlap any portion of the time from 00:00 January 1, 1997, to 00:00 February 1, 1997. This would include offerings that (1) started prior to Jan. 1 and stopped any time on or after Jan. 1, and (2) started on or after Jan 1 but before Feb 1

d. For changes to and from daylight savings time, either Universal Time or the correct time and zone must be used, based on whether daylight savings time is in effect.

e. All time values shall be checked upon input to ensure their validity with respect to date, time, time zone, and daylight savings time.

002-4.2.6.7 Default Values

Query Variables that are not specified by the User may take on default values as appropriate for that Query Variable at the discretion of the OASIS TSIP.

002-4.2.6.8 Limitations on Queries

OASIS TSIP may establish validation procedures and/or default values for Query Variables to restrict the size and/or performance impact of overly broad queries.

002-4.2.7 CSV Format

002-4.2.7.1 General Record Format

OASIS Users shall be able to upload information associated with Input/Response OASIS Templates and download information associated with all OASIS Templates using a standardized Comma Separated Value (CSV) format. CSV formatted data is transferred to/from OASIS Nodes as part of the body of an HTTP message using the "**Content-length:"** HTTP header to define the length in bytes of the message body, and the "**Content-type: text/x-oasis-csv"** HTTP header to identify the data type associated with the message body.

CSV formatted data consists of a fixed set of header records followed by a variable number of Data Records. Each record shall be separated by a carriage return plus line feed (denoted by the symbol ↵ in all examples). The fields within a record shall be delimited by commas (,). All data within a CSV formatted message shall use printable ASCII characters with no other special embedded codes, with the exception of the special encoding requirements associated with text fields.

002-4.2.7.2 Input Header Records

The following standard header records are required for the uploading of Input data for all Input/Response OASIS Templates:

VERSION=~~nn.n~~1.4↵
TEMPLATE=aaaaaaaaaa↵
OUTPUT_FORMAT=~~[~~DATA~~]~~ ↵
PRIMARY_PROVIDER_CODE=aaaa↵
PRIMARY_PROVIDER_DUNS=nnnnnnnnn↵
RETURN_TZ=tz~~aa~~↵
DATA_ROWS=nnn↵
COLUMN_HEADERS=[Template Data Element names separated by commas] ↵

The format of the value associated with each of the Input header record Data Elements are dictated by the Data Dictionary. The value associated with the DATA_ROWS Data Element shall define the total number of Data Records that follow in the message after the COLUMN_HEADERS record. The COLUMN_HEADERS record defines, by Data Element name, the data associated with each comma separated column contained in each subsequent Data Record (row). On Input, either the Data Element's full name or alias listed in the Data Dictionary may be specified.

002-4.2.7.3 Response Header Records

When explicitly specified using the OUTPUT_FORMAT=DATA Query Variable or implied by the Input of a CSV format message, the OASIS Nodes shall respond with the following standard response header records for all OASIS Templates:

REQUEST_STATUS=nnn↵
ERROR_MESSAGE=aaa↵
TIME_STAMP=yyyymmddhhmmsstz↵
VERSION=~~nn.n~~1.4↵
TEMPLATE=aaaaaaaaaa↵
OUTPUT_FORMAT=DATA↵
PRIMARY_PROVIDER_CODE=aaaa↵
PRIMARY_PROVIDER_DUNS=nnnnnnnnn↵
RETURN_TZ=tz↵
DATA_ROWS=nnn↵
COLUMN_HEADERS=[Template Data Element names separated by commas] ↵

The format of the value associated with each of the Response header record Data Elements are dictated by the Data Dictionary. The value associated with the DATA_ROWS Data Element shall define the total number of Data Records returned in the message following the COLUMN_HEADERS header record. The COLUMN_HEADERS record defines, by Data Element name, the data associated with each comma-separated column contained in each subsequent Data Record (row). In all OASIS Node responses, the Data Element's full name shall be listed in the COLUMN_HEADERS record. The order of the column headings shall be the same as shown in the Templates for URL uploads and downloads. For graphical displays, the Provider may define the order that the Data Element names are shown.

002-4.2.7.4 Data Records

Data Records immediately follow the standard Input or Response header records. With the exception of Data Records grouped together as a single "logical record" through the use of Continuation Records, each Data Record in a CSV formatted Input message represents a single, complete execution of the associated OASIS Template. That is, sending five CSV formatted Input messages for a given Template to the same PRIMARY_PROVIDER_CODE with a single Data Record per message shall be handled in exactly the same fashion as sending a single CSV formatted Input message for the same Template and PRIMARY_PROVIDER_CODE which contains five Data Records. Each field (column) within each Data Record defines the value to be associated with the corresponding Data Element defined in the COLUMN_HEADERS record. The number of Data Records in the message is defined by the DATA_ROWS header record. The data values associated with each column Data Element are interpreted based on the Data Element type as defined in the Data Dictionary:

a. **Numeric Data Elements:** All numeric Data Elements shall be represented by an ASCII string of numeric digits in base ten, plus the decimal point.

b. **Text Data Elements:** Alphabetic and alphanumeric Data Elements shall be represented as ASCII strings and encoded using the following rules:

- Text strings that do not contain commas (,) or double quotes (") shall be accepted both with and without being enclosed by double quotes.
- Text fields with commas (,) or double quotes (") must be enclosed with double quotes. In addition double quotes within a text field shall be indicated by two double quotes ("").
- The Data Element field length specified in Data Dictionary does not include the additional double quotes necessary to encode text data.

c. **Null Data Elements:** Null Data Elements shall be represented by two consecutive commas (,,) corresponding to the leading and trailing (if appropriate) Data Element comma separators. Null text strings may optionally be represented by two consecutive double quote characters within the leading and trailing comma separators (i.e., Y,"",Y).

002-4.2.7.5 Continuation Records

Continuation records shall be used to indicate that the information in multiple rows (records) is part of one logical record. Continuation records will be indicated through the use of a column header called CONTINUATION_FLAG. This column header is either the first column (if in a response to a query) or second column (if in a response to an input) in all Templates permitting continuation records. The first record shall contain an "N" in the CONTINUATION_FLAG column and each following record which is part of a continuation record shall contain a "Y" in this column, thus associating the information in that record with the information in the previous record. An "N" shall indicate that the record is not a continuation record. In addition to the CONTINUATION_FLAG Data Element identifying that a record is associated with a previous record, any unique record identifier associated with the first (CONTINUATION_FLAG = N) record shall be repeated in all subsequent continuation records returned in an OASIS response. Each Template that supports the use of continuation records and those particular Data Elements (COLUMN_HEADERS) that may be referenced in one or more continuation records are identified in Standards 002-4.3. On upload or input of Template data, any values supplied via continuation records that correspond to COLUMN_HEADERSs other than those explicitly allowed to appear in continuation records for a particular Template shall be ignored. However commas must be included to properly align the fields (columns). Note that the submission of continuation records is only supported by the CSV Format method of uploading data to an Input/Response Template

002-4.2.7.6 Error Handling in CSV-Formatted Responses

a. Validity of each record in the CSV-formatted Response to a Template Input shall be indicated through the use of RECORD_STATUS and ERROR_MESSAGE Data Elements which are included in each Data Record (row) of the Response.

- If no error was encountered in an Input Data Record, the RECORD_STATUS Data Element in the corresponding Response record shall be returned with a value of 200 (success), and the ERROR_MESSAGE shall be blank.
- If any error is detected in processing an Input Data Record, it shall be indicated by a RECORD_STATUS Data Element value other than 200. The ERROR_MESSAGE shall be set to an appropriate text message to indicate the source of the error in that Data Record.

b. The overall validity of each Template Query or Input shall be indicated in the CSV-formatted Response via the two REQUEST_STATUS and ERROR_MESSAGE header records (see Standard 002-4.2.7.3):

- If no errors were encountered in processing the User's Input Data Records, the REQUEST_STATUS shall be returned with the value of 200 (success), and the ERROR_MESSAGE shall be blank.
- If any errors were detected in the Template Input Data Records, the REQUEST_STATUS value shall be any value other than 200, and the ERROR_MESSAGE shall be set to an appropriate text message to indicate the source of the error.

c. The OASIS Node shall validate all Input records before returning a Response to the User. The Node shall process all valid records, while invalid records shall be identified as erroneous through the use of RECORD_STATUS and ERROR_MESSAGE. The User must correct the invalid fields and resubmit only those records that were invalid. If an error is encountered in a record which is part of a set of Continuation records, then all records belonging to that set must be resubmitted.

002-4.2.8 Registration Information

002-4.2.8.1 General

As specified in the Information Access Requirements, OASIS Nodes shall provide a mechanism to register Users of the OASIS Node with a Provider. For all levels of access to OASIS information beyond simple read-only access, OASIS Nodes shall provide a mechanism to identify Users of the OASIS at least to the level of their respective Companies. The OASIS Node shall maintain both Company and User registration information.

002-4.2.8.2 Company Information

OASIS Templates require that certain Company registration information be maintained. As an extension of the Company registration information of the host, domain and port identifiers for dynamic notification of changes in the Customer's purchase requests, a field should be added to the Company's registration information that would define/identify how notification would be delivered to that Company should a transmission or ancillary purchase request be directed to that Company as a Seller of a transmission or ancillary service. The pertinent information would be either a full HTTP protocol URL defining the protocol, host name, port, path, resource, etc. information or a "mailto:" URL with the appropriate mailbox address string. On receipt of any purchase request directed to that Company as SELLER via either the "***transrequest***" or "***ancrequest***" Templates, or on submission of any change in request information submitted to that Company as SELLER via either the "***transcust***" or "***anccust***" Templates, a notification message formatted as documented for the delivery of notification to the Customer, shall be formatted and directed to the Seller. At a minimum, OASIS Nodes shall maintain the following information for each Company:

a. **Company Code**: 4 character code for primary transmission providers; 6 character code for eligible customers in accordance with NERC Tagging Information System (TIS) requirements shall be maintained for each Company.

b. **Default Contact**: Unless specified for each individual user affiliated with the Company, default contact information consisting of a phone number, fax number, and e-mail address shall be maintained for each Company.

c. **Provider Affiliation:** Each eligible Customer shall be obligated to identify to the OASIS TSIP any affiliation with a Transmission Provider whose "home page" is on that OASIS Node.

d. **Notification URL**: For Companies using the URL notification mechanism for delivery of messages on each change of ancillary/transmission reservation STATUS, each Company shall provide the IP host name and port number to be used in delivering notification messages. OASIS Nodes shall have the right to refuse support for notification to any IP ports other than port 80.

002-4.2.8.3 User Information

With the exception of "read-only" (visitor) access, OASIS Nodes shall, at a minimum, provide a mechanism to identify Users of the Node with at least their Company. However, OASIS Nodes and Providers shall have the right to require full User identification even for visitor accounts. To support the required OASIS Template Data Elements, OASIS Nodes shall maintain the following information for each registered User:

- Company
- Name
- Phone
- Fax
- E-mail

In the event no additional User identification/registration information is maintained by the OASIS Nodes, all Template Data Elements referring to "company, name, phone, fax, e-mail" for either Customers or Sellers shall default to the Contact Information maintained for that User's Company.

002-4.2.9 Representation of Time

002-4.2.9.1 General

It is critical that all Users of OASIS Nodes have a clear and unambiguous representation of time associated with all information transferred to/from OASIS Nodes. For this reason, all Data Elements associated with time in OASIS Nodes shall represent "wall clock" times, which are NOT to be confused with other common industry conventions such as "hour ending." For the convenience of the User community, OASIS Nodes shall be allowed to accept the input and display of "time" in any acceptable form provided such non-standard representations are CLEARLY labeled on the associated HTML screens. Alternate representations of time in CSV formatted messages shall not be allowed. The following rules shall be implemented in OASIS Nodes for the representation of time on User entries (Query and Input) and output (Response) Templates.

002-4.2.9.2 Input Time

All time related Data Elements associated with either the Input or Query of Input/Response or Query/Response OASIS Templates shall be validated according the following rules. If the time zone associated with a time Data Element is associated with either Universal Time (UT) or a "standard" time zone (e.g., ES, CS, etc.), OASIS Nodes shall accept and apply a fixed hour offset from Universal Time year-round. If the time zone associated with a time Data Element is specified with a "daylight savings" time zone (e.g. ED, CD, etc.), OASIS Nodes shall verify that daylight savings time is in effect for the date/time specified. If daylight savings time (as specified by the time from

2:00am on the first Sunday of April through 2:00 am on the last Sunday of October) is not in effect, the Users input shall be rejected with an error response. If daylight savings time is in effect, the Users input shall be accepted and the appropriate hours offset from Universal Time shall be applied by OASIS Nodes for conversion to all other time zones. The input of start/stop times for transactions spanning the crossover day between standard and daylight (and vices versa) times must be made either entirely in standard time (valid year-round), or in two different time zones (xS/xD or xD/xS) for the start and stop times, depending on the time of year.

002-4.2.9.3 Output (Response) Time

The OASIS Node shall return all time Data Elements in the response to Input/Response or Query/Response OASIS Templates based on either the User specified RETURN_TZ header Query Variable or an appropriate OASIS specific default. OASIS Nodes shall interpret RETURN_TZ to specify:

a. The base time zone for conversion of all time Data Elements (e.g. Eastern, Pacific, etc.)

b. Whether daylight savings time is recognized. For example, a RETURN_TZ=ES would return all time Data Elements in Eastern Standard Time year-round. However, a RETURN_TZ=ED would direct OASIS Nodes to return all time Data Elements in Eastern Standard Time (ES) when daylight savings time is not in effect, and then return all time Data Elements in Eastern Daylight Time (ED) when daylight time is in effect.

002-4.2.10 Transaction Process

OASIS shall implement Templates that allow Customers and Sellers to enter, modify and consummate arrangements for transmission and ancillary services. In addition to the Template interface defined by these Standards, OASIS shall also provide a browser-based User Interface that implements the same basic functionality provided by the template interface through one or more displays or forms.

The OASIS transaction process is controlled through the transaction REQUEST_TYPE, identifying the type of transaction being conducted, and STATUS, indicating the request's current state in the transaction process. The WEQ 013-2 OASIS Implementation Guide Standard describes in detail the transaction process that must be implemented on OASIS. The Implementation Guide also provides specific requirements and recommendations related to the handling of particular requests form both a technical and business process perspective.

002-4.2.10.1 Request Types

Transmission Customers must submit requests for transmission and ancillary services to OASIS using one of the valid enumerated values in the REQUEST_TYPE data element. The valid values for REQUEST_TYPE are defined in the WEQ 003 Standard, OASIS Data Dictionary. Each REQUEST_TYPE is also defined and its use in the OASIS transaction process

in the WEQ 013-2.1 Standard, OASIS Implementation Guide. The Implementation Guide also describes request type specific requirements.

002-4.2.10.2 Status Values

The STATUS Data Element is used in the OASIS transaction process to control the interaction between Customer and Seller and communicate information regarding the state of the transaction between the parties. The valid values for the STATUS Data Element are enumerated in the WEQ 003 Standard, OASIS Data Dictionary. Definitions for each of the STATUS values and a transaction state transition diagram for the STATUS Data Element is described in detail in the WEQ 013-2.2 Standard, OASIS Implementation Guide.

002-4.2.10.3 Dynamic Notification

Customers may specify the delivery of dynamic notification messages on each change in STATUS or any other Data Element(s) associated with an ancillary or transmission service reservation. OASIS Nodes shall support the delivery of dynamic notification messages through either the HTTP protocol or by electronic mail. The selection of which mechanism is used and the contents of the messages delivered to the client program or e-mail address is defined by the content of the STATUS_NOTIFICATION Data Element as described in the next subsections. Regardless of whether this dynamic notification method is used or not, it shall still remain the User's responsibility to get the desired information, possibly through the use of a periodic "integrity request". OASIS Nodes shall not be obligated or liable to guarantee delivery/receipt of messages via the STATUS_NOTIFICATION mechanism other than on a "best effort" basis. As an extension of the Company registration information of the host, domain and port identifiers for dynamic notification of changes in the Customer's purchase requests, a field should be added to the Company's registration information that would define/identify how notification would be delivered to that Company should a transmission or ancillary purchase request be directed to that Company as a Seller of a transmission or ancillary service. The pertinent information would be either a full HTTP protocol URL defining the protocol, host name, port, path, resource, etc. information or a "mailto:" URL with the appropriate mailbox address string. On receipt of any purchase request directed to that Company as SELLER via either the "***transrequest***" or "***ancrequest***" Templates, or on submission of any change in request STATUS (or any other Data Elements associated with the request) to that Company as SELLER via either the "***transcust***" or "***anccust***" Templates, a notification message formatted as documented for the delivery of notification to the Customer, shall be formatted and directed to the Seller. This extension of dynamic notification is required only where the Transmission Provider has programmed its computer system for its own notification.

002-4.2.10.3.1 HTTP Notification

OASIS Nodes shall deliver dynamic notification to a client system based on HTTP URL information supplied in part by the STATUS_NOTIFICATION Data Element and by information supplied as part of the Customer's Company registration information. HTTP URL's are formed by the concatenation of a

protocol field (i.e., http:), a domain name (e.g., //www.tsin.com), a port designation (e.g., :80), and resource location information.

The STATUS_NOTIFICATION Data Element shall contain the protocol field "http:", which designates the notification method/protocol to be used, followed by all resource location information required; the target domain name and port designations shall be inserted into the notification URL based on the Customer's Company registration information. The resource location information may include directory information, cgi script identifiers and URL encoded query string name/value pairs as required by the Customer's application. An OASIS Node performs no processing on the resource location information other than to include it verbatim along with the protocol, domain name and port information when forming the URL that will be used to deliver the HTTP protocol notification message. For example,

Company XYZ has established the domain name and port designations of "//oasistc.xyz.com:80" as part of their registration information. When a transmission reservation is submitted by one of Company XYZ's users (the Customer), and includes a STATUS_NOTIFICATION Data Element with the value of:

"http:/cgi-bin/status?DEAL_REF=8&REQUEST_REF=173",

aAn OASIS Node shall deliver an HTTP notification message using the URL:

http://oasistc.xyz.com:80/cgi-bin/status?DEAL_REF=8&REQUEST_REF=173

If the STATUS_NOTIFICATION field contained only the "http:" protocol designation, the notification message would be delivered using the URL:

http://oasistc.xyz.com:80

The contents of the HTTP protocol notification message delivered by an OASIS Node shall consist of the complete URL created by combining fields from the STATUS_NOTIFICATION Data Element and Company registration information as part of an HTTP POST method request. In addition to the POST method HTTP header record, OASIS Nodes shall also append the CSV formatted output of the ***transstatus*** Template information for that particular reservation using the standard Content-type: text/x-oasis-csv and appropriate Content-length: HTTP header records. OASIS Nodes shall use a Primary Provider specific default value for RETURN_TZ in formulating the ***transstatus*** response information. Continuing with the previous example, the important records in the HTTP notification message that would be delivered to Company XYZ for the transmission reservation request submitted to Primary Provider ABC and given an ASSIGNMENT_REF of 245 would be:,

POST http://oasistc.xyz.com:80/cgi-bin/status?DEAL_REF=8&REQUEST_REF=173 HTTP/1.0
.
.
Content-type: text/x-oasis-csv

Content-length: <byte count of remainder of message>↲
REQUEST_STATUS=200
TIME_STAMP=~~yyyymmddhhmmsstz~~20070910123010ES↲
~~<appropriate value>~~
VERSION=1.4↲
TEMPLATE=transstatus↲
OUTPUT_FORMAT=DATA↲
PRIMARY_PROVIDER_CODE=ABC↲
PRIMARY_PROVIDER_DUNS=123456789↲
RETURN_TZ= ~~yyyymmddhhmmsstz~~ES↲~~<appropriate value for ABC>~~
DATA_ROWS=1↲
COLUMN_HEADERS=CONTINUATION_FLAG, ASSIGNMENT_REF, . . .
↲
N, 245, . . .↲

In the event an error is encountered delivering the HTTP notification message to the target URL as indicated by a failure of the target system to respond, or return of HTTP response status of 408, 500, 503, or 504, OASIS Nodes shall retry up to two more times, once every 5 minutes.

002-4.2.10.3.2 E-mail Notification

OASIS Nodes shall deliver dynamic notification to an e-mail address based on Mailto: URL information specified in the STATUS_NOTIFICATION Data Element. Mailto: URL's consist of the "mailto:" protocol identifier and an Internet mail address to which the notification message should be sent. The STATUS_NOTIFICATION Data Element shall contain the protocol field "mailto:", which designates the notification method/protocol to be used, followed by an Internet mail address in conformance with RFC 822. OASIS Nodes shall send an e-mail message to the Internet mail address containing the following information: "To:" set to the mail address from the STATUS_NOTIFICATION Data Element, "From:" set to an appropriate mail address of the OASIS Node, "Subject:" shall be the ***transstatus*** Template name followed by the value of the ASSIGNMENT_REF Data Element and the current value for the STATUS Data Element associated with the reservation (e.g., "Subject: ***transstatus*** 245 ACCEPTED"), and the body of the message shall contain the CSV formatted output of the ***transstatus*** Template information for that particular reservation. OASIS Nodes shall use a Primary Provider specific default value for RETURN_TZ in formulating the ***transstatus*** response information.

002-4.2.10.4 Use of Comments

Transmission and ancillary service reservation templates support the following text data elements to be used to communicate information between parties (i.e., transmission provider, seller, and customer) to a transaction:

- PRIMARY_PROVIDER_COMMENTS - for information to be communicated by the primary transmission provider to all other parties
- SELLER_COMMENTS - for information to be communicated by the seller (either primary provider or reseller) to the customer

- CUSTOMER_COMMENTS - for information to be communicated by the customer to the seller
- STATUS_COMMENTS - for information to be communicated by any party to all other parties

Use of these comments fields is at the discretion of the parties to the transaction with the exception that sellers of services must indicate via SELLER_COMMENTS the reason for denial of any request for service (STATUS values of INVALID, REFUSED, or DENIED). Transactions which are subject to displacement, either before or after confirmation (STATUS values of SUPERSEDED or DISPLACED), shall also include a reference to the competing reservation request that initiated the displacement in the SELLER_COMMENTS.

002-4.2.11 Reference Identifiers

a. The TSIP shall assign a unique reference identifier, ASSIGNMENT_REF, for each Customer request to purchase capacity or services. The value of ASSIGNMENT_REF may be used to imply the order in which the request was received by the TSIP. This identifier will be used to track the request through various stages, and will be kept with the service through out its life. Whenever a transaction is modified by a subsequent transaction, a new ASSIGNMENT_REF number is assigned to that subsequent transaction along with a reference to the previous transaction such that a chain of all transactions related to the service can be maintained. These changes create a parent/child relationship between related requests. The TSIP shall use REASSIGNED_REF or RELATED_REF as specified in section 4.2.13 to identify the parent request's ASSIGNMENT_REF and shall increment the IMPACTED counter of the parent request by 1. Reductions to a request posted by the Transmission Provider shall also reference the requests ASSIGNMENT_REF and the TSIP shall increment the IMPACTED counter of the request by 1.

b. The TSIP shall assign a unique reference identifier, POSTING_REF, to each Seller's offerings of service for sale or other information (messages) posted on an OASIS Node. The Seller in any/all subsequent Template submissions~~,~~ that would result in a modification to or deletion of that specific offering or message~~,~~ shall reference this identifier. Optionally, Customers may also refer to this POSTING_REF in their subsequent purchase requests to aid in identifying the specific offering associated with the purchase request.

c. Sellers may aggregate portions of several previous transmission service reservations to create a new offering to be posted on an OASIS Node. When all or a portion of such offerings are sold, the Seller (original Customer) is obligated to notify the Primary Provider of the sale/assignment by inserting appropriate reassignment information on the OASIS Node (via the ***transsell*** or ***transassign*** Templates) or by some other approved method. This reassignment information consists of the ASSIGNMENT_REF value assigned to the original reservation(s) and the time interval and capacity amount(s) being reassigned to the new reservation. These values are retained in the REASSIGNED_REF, REASSIGNED_START_TIME, REASSIGNED_STOP_TIME, and REASSIGNED_CAPACITY Data Elements.

d. Sellers may identify their service offerings received from Customers through the Seller supplied value specified for the SALE_REF Data Element.

e. Customers may track their purchase requests through the Customer supplied values specified for the DEAL_REF and REQUEST_REF Data Elements. Customers may also use POSTING_REF and SALE_REF in their purchase requests to refer back to posted offerings.

002-4.2.12 Linking of Ancillary Services to Transmission Services

The requirements related to ancillary services are shown in ***transoffering*** (and updated using ***transupdate***) using the ANC_SVC_REQ Data Element containing the following permitted values:

SC:x; RV:x; RF:x; EI:x; SP:x; SU:x;

where SC, RV, RF, EI, SP and SU are the ancillary services 1 through 6 described in the Pro fForma Tariff,

- SC - Scheduling, system Control and dispatch
- RV - Reactive supply and Voltage control
- RF - Regulation and Frequency response
- EI - Energy Imbalance
- SP - SPinning reserve
- SU - SUpplemental reserve

and where x={M,R,O,U} means one of the following:

- Mandatory, which implies that the Primary Provider must provide the ancillary service
- Required, which implies that the ancillary service is required, but not necessarily from the Primary Provider
- Optional, which implies that the ancillary service is not necessarily required, but could be provided
- Unknown, which implies that the requirements for the ancillary service are not known at this time

Ancillary services may be requested by a User from the Provider at the same time as transmission services are requested via the ***transrequest*** Template, by entering the special codes into ANC_SVC_LINK to represent the Pro_forma ancillary services 1 through 6 (or more) as follows:

SC:(AA[:xxx[:yyy[:nnn]]]); RV: (AA[:xxx[:yyy[:nnn]]]); RF: (AA[:xxx[:yyy[:nnn]]]);
EI: (AA[:xxx[:yyy[:nnn]]]); SP: (AA[:xxx[:yyy[:nnn]]]); SU: (AA[:xxx[:yyy[:nnn]]]); {Registered}:(AA[:xxx[:yyy[:nnn]]])

where AA is the appropriate PRIMARY_PROVIDER_CODE, SELLER_CODE, or CUSTOMER_CODE, and represents the company providing the ancillary services. "AA" may be unspecified for "xxx" type identical to "FT", in which case the ":" character must be present and precede the "FT" type. If multiple "AA" terms are necessary, then each "AA" grouping will be enclosed within parenthesis, with the overall group subordinate to the AS_TYPE specified within parenthesis and where xxx represents either:

- "FT" to indicate that the Customer will determine ancillary services at a future time, or
- "SP" to indicate that the Customer will self-provide the ancillary services, or

- "RQ" to indicate that the Customer is asking the OASIS Node to initiate the process for making an ancillary services reservation with the indicated Provider or Seller on behalf of the Customer. The Customer must then continue the reservation process with the Provider or Seller. If the transmission services request is for pre-confirmed service, then the ancillary services shall also be pre-confirmed, or
- "AR" to indicate an assignment reference number sequence follows.

The terms "yyy" and "nnn" are subordinate to the xxx type of "AR". yyy represents the ancillary services reservation number (ASSIGMNENT_REF) and nnn represents the capacity of the reserved ancillary services. Square brackets are used to indicate~~d~~ optional elements and are not used in the actual linkage itself. Specifically, the :yyy is applicable to only the "AR" term and the :nnn may optionally be left off if the capacity of ancillary services is the same as for the transmission services, and optionally multiple ancillary reservations may be indicated by additional (xxx[:yyy[:nnn]]) enclosed within parenthesis. If no capacity amount is indicated, the required capacity is assumed to come from the ancillary reservations in the order indicated in the codes, on an "as-needed" basis.

Examples for the handling of ancillary service linkage to transmission service requests/reservations are presented in the OASIS Implementation Guide Standard WEQ 013-4.2.

002-4.2.13 [Deleted]

002-4.2.13.1 [Deleted]

002-4.2.13.2 [Deleted]

002-4.2.13.3 [Deleted]

002-4.2.13.4 [Deleted]

002-4.2.13.5 [Deleted]

002-4.2.13.6 [Deleted]

002-4.2.13.7 [Deleted]

002-4.2.13.8 [Deleted]

002-4.2.13.9 [Deleted]

002-4.2.13.10 [Deleted]

002-4.3 TEMPLATE DESCRIPTIONS

The following OASIS Templates define the Data Elements in fixed number and sequence which must be provided for all data transfers to and from the OASIS Nodes. The definitions of the Data Elements are listed in Open Access Same-Time Information System (OASIS) Data Dictionary WEQ- 003.~~the Data Element~~

~~Dictionary in Appendix A.~~ TSIPs must provide a more detailed supplemental definition of the list of Sellers, Paths, Point of ~~-~~Receipt (POR), Point of Delivery (POD), Capacity Types, Ancillary Service Types and Templates online, clarifying how the terms are being used (see ~~LIST~~ ***list*** Template). If POR and POD are not used, then Path Name must include directionality. Many of the Templates represent query-response interactions between the User and the OASIS Node. These interactions are indicated by the "Query" and "Response" section respectively of each Template. Some, as noted in their descriptions, are Input information, sent from the User to the OASIS Node. The ~~-~~Response is generally a mirror of the Input, although in some Templates, the TSIP must add some ~~-~~information.

002-4.3.1 Template Summary

The following table provides a summary of the process areas, and Templates to be used by Users to query information that will be downloaded or to upload information to the Primary Providers. These ~~-~~processes define the functions that must be supported by an OASIS Node.

Process Area	Process Name	Template(s)
4.3.2 Query/Response of Posted Services Being Offered	Query/Response Transmission Capacity Offerings	transoffering
	Query/Response Ancillary Service Offerings	ancoffering
4.3.3 Query/Response of Services Information	Query/Response Transmission Services	transserv
	Query/Response Ancillary Services	ancserv
4.3.4 Query/Response of Schedule details and Curtailments, Security Events, Reductions, and System Data	Query/Response Transmission Schedules and Curtailments	scheduledetail
	Query/Response Security Events	security
	Query/Response Reductions to Reserved Capacity	reduction
	Query/Response Transmission System Data	systemdata
4.3.5 Query/Response of Lists of Information	Query/Response List of Sellers, Paths, PORs, PODs, Capacity Types, Ancillary Service Types, Templates	list

Process Area	Process Name	Template(s)
4.3.6 Purchase Transmission Services	Request Purchase of Transmission Services (Input)	transrequest
	Query/Response Status of Transmission Service Request	transstatus
	Seller Approves Purchase (Input)	transsell
	Customer Confirm/Withdraw Purchase of Transmission Service (Input)	transcust
	Seller Reassign Rights (Input)	transassign
4.3.7 Seller Posting of Transmission Service	Seller Post Transmission Service for Sale (Input)	transpost
	Seller Modify (Remove) Transmission Service for Sale (Input)	transupdate
4.3.8 Purchase of Ancillary Service	Request Purchase of Ancillary Service (Input)	ancrequest
	Query/Response Status of Ancillary Service Request	ancstatus
	Seller Approves Purchase of Ancillary Service (Input)	ancsell
	Customer Accept/Withdraw Purchase of Ancillary Service (Input)	anccust
	Seller Reassign Rights (Input)	ancassign
4.3.9 Seller Post Ancillary Service	Seller Post Ancillary Service (Input)	ancpost
	Seller Modify (Remove) Ancillary Service for Sale (Input)	ancupdate
4.3.10 Informal Messages	Post Want Ads (Input)	messagepost
	Query/Response Want Ads	message
	Delete Want Ad (Input)	messagedelete
	Personnel Transfers	personnel

Process Area	Process Name	Template(s)
	Discretion	discretion
	Standards of Conduct	stdconduct
4.3.11 Audit Log	Query/Response Audit Log	(various)

002-4.3.2 Query/Response of Posted Services Being Offered

The following Templates define the information to be posted on services offered for sale. All discounts for service negotiated by a Customer and Primary Provider (as Seller) at a price less than the currently posted offering price shall be posted on OASIS Nodes in such a manner as to be viewed using these Templates. All secondary market and/or third-party posting and Primary Provider offerings for like services shall also be viewed using these Templates. The Query must start with the standard header Query Variable Data Elements, listed in Section 4.2.6.2, and may include any valid combination of the remaining Query Variables, shown below in the Templates. START_TIME and STOP_TIME is the requested time interval for the Response to show all offerings which intersect that interval (see Section 4.2.6.6). TIME_OF_LAST_UPDATE can be used to specify all services updated since a specific point in time. Query variable listed with an asterisk (*) can have at least 4 multiple instances defined by the user in making the query. In the Response, OFFER_START_TIME and OFFER_STOP_TIME indicate the "request time window" within which a customer must request a service in order to get the posted OFFER_PRICE. START_TIME and STOP_TIME indicate the time frame that the service is being offered ~~for~~. The SERVICE_DESCRIPTION Data Element shall define any attributes and/or special terms and conditions applicable to the offering that are not listed under the standard SERVICE_DESCRIPTION associated with the product definition supplied in the ***transserv*** or ***ancserv*** Templates. SERVICE_DESCRIPTION shall be null if there are no unique attributes or terms associated with the offering.

002-4.3.2.1 Transmission Capacity Offerings Available for Purchase (transoffering)

Transmission Services Offerings Available for Purchase (***transoffering***) is used to view transmission services posted for sale by the Primary Provider or Resellers. At a minimum this Template must be used to view each increment and type of service required to be offered under applicable regulations and the Primary Provider's tariffs. The POSTING_REF is set by the TSIP when an offering is posted and can be used in ***transrequest*** to refer to a particular offering. A User may query information about services available from all sellers for the time frame specified by the SERVICE_INCREMENT Data Element, namely, hourly, daily, weekly, monthly, or yearly.

Template: **transoffering**

1. **Query**
   PATH_NAME*
   SELLER_CODE*
   SELLER_DUNS*

POINT_OF_RECEIPT*
POINT_OF_DELIVERY*
SERVICE_INCREMENT*
TS_CLASS*
TS_TYPE*
TS_PERIOD*
TS_WINDOW*
TS_SUBCLASS*
START_TIME (of transmission services)
STOP_TIME (of transmission services)
POSTING_REF
TIME_OF_LAST_UPDATE

2. **Response**

The response is one or more records showing the requested service information. Note that the Customer will receive as a series of records spanning all the SELLER_CODEs, –PATH_NAMEs, PORs, PODs, TS_xxx, and the START_TIME/STOP_TIME specified –in the query. The SALE_REF is a value provided by the SELLER to identify the transmission service product being sold. The ANC_SVC_REQ indicates all ancillary services required for the specified transmission services. All Template elements are defined in the Data Element Dictionary.

TIME_OF_LAST_UPDATE
SELLER_CODE
SELLER_DUNS
PATH_NAME
POINT_OF_RECEIPT
POINT_OF_DELIVERY
INTERFACE_TYPE
OFFER_START_TIME
OFFER_STOP_TIME
START_TIME
STOP_TIME
CAPACITY (If null, then look in seller comments for information-.)
SERVICE_INCREMENT
TS_CLASS
TS_TYPE
TS_PERIOD
TS_WINDOW
TS_SUBCLASS
ANC_SVC_REQ
SALE_REF
POSTING_REF
CEILING_PRICE
OFFER_PRICE
PRICE_UNITS
SERVICE_DESCRIPTION (if null, then look at *transserv*)
NERC_CURTAILMENT_PRIORITY
OTHER_CURTAILMENT_PRIORITY
SELLER_NAME
SELLER_PHONE

SELLER_FAX
SELLER_EMAIL
SELLER_COMMENTS

002-4.3.2.2 Ancillary Services Available for Purchase (ancoffering)

Ancillary Services Available for Purchase (***ancoffering***) is used to provide information regarding the ancillary services that are available for sale by all sellers (both Primary Provider and Third Party Sellers).

Template: **ancoffering**

1. **Query**

   SELLER_CODE*
   SELLER_DUNS*
   CONTROL_AREA*
   SERVICE_INCREMENT*
   AS_TYPE*
   START_TIME
   STOP_TIME
   POSTING_REF
   TIME_OF_LAST_UPDATE

2. **Response**

   TIME_OF_LAST_UPDATE
   SELLER_CODE
   SELLER_DUNS
   CONTROL_AREA
   OFFER_START_TIME
   OFFER_STOP_TIME
   START_TIME
   STOP_TIME
   CAPACITY
   SERVICE_INCREMENT
   AS_TYPE
   SALE_REF
   POSTING_REF
   CEILING_PRICE
   OFFER_PRICE
   PRICE_UNITS
   SERVICE_DESCRIPTION (if blank, then look at *ancserv*)
   SELLER_NAME
   SELLER_PHONE
   SELLER_FAX
   SELLER_EMAIL
   SELLER_COMMENTS

002-4.3.3 Query/Response of Services Information

002-4.3.3.1 Transmission Services (transserv)

Transmission Services (***transserv***) is used to provide additional information regarding the transmission services SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_SUBCLASS, TS_WINDOW, NERC_CURTAILMENT_PRIORITY, and OTHER_CURTAILMENT_PRIORITY that are available for sale by a Provider in the Templates in Section 4.3.2. This Template is used to summarize Provider tariff information for the convenience of the User. The Provider also sets PRICE_UNITS with this Template.

Template: **transserv**

1. **Query**

   TIME_OF_LAST_UPDATE

2. **Response**

   TIME_OF_LAST_UPDATE
   SERVICE_INCREMENT
   TS_CLASS
   TS_TYPE
   TS_PERIOD
   TS_WINDOW
   TS_SUBCLASS
   CEILING_PRICE
   PRICE_UNITS
   SERVICE_DESCRIPTION
   NERC_CURTAILMENT_PRIORITY
   OTHER_CURTAILMENT_PRIORITY
   TARIFF_REFERENCE

002-4.3.3.2 Ancillary Services (ancserv)

Ancillary Services (***ancserv***) is used to provide additional information regarding the ancillary services that are available for sale by a Provider in the Templates in Section 4.3.2. This Template is used to summarize Provider tariff information for the convenience of the User. The Provider also sets PRICE_UNITS with this Template.

Template: **ancserv**

1. **Query**

   TIME_OF_LAST_UPDATE

2. **Response**

   TIME_OF_LAST_UPDATE
   SERVICE_INCREMENT
   AS_TYPE
   CEILING_PRICE

PRICE_UNITS
SERVICE_DESCRIPTION
TARIFF_REFERENCE

002-4.3.4 Query/Response of Schedules and Curtailments, Security Events, Reductions, and System Data

002-4.3.4.1 Transaction Schedule (scheduledetail)

Transaction Schedule (***scheduledetail***) provides information on the scheduled uses of the Provider's transmission system and any curtailments or interruption thereof. Posting of transmission service schedule information shall be in accordance with regulatory requirements, and reflect scheduled uses of reserved capacity to a level of detail that such schedules are subject to a Provider's application of transmission security procedures and policies regarding curtailment and interruptions. There is no restriction on the number of transaction schedule records that may refer to a given transmission reservation at a given point in time.

The Query Variables ASSIGNMENT_REF, SELLER_CODE, SELLER_DUNS, CUSTOMER_CODE, CUSTOMER_DUNS, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, and TS_PERIOD act to select those transmission reservations for which all applicable transaction schedule information is to be returned. The PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY Query Variables select all applicable interchange transaction schedule records that use the specified path, point of receipt, and/or point of delivery. The TIME_OF_LAST_UPDATE, START_TIME, and STOP_TIME Query Variables select those particular interchange transaction schedule records updated and/or effective: 1) on or after a particular point in time (START_TIME alone), 2) before a particular point in time (STOP_TIME alone), or 3) between particular points in time (START_TIME and STOP_TIME). The TRANSACTION_ID Query Variable selects all applicable schedule information records associated with that particular schedule. Note that the format of TRANSACTION_ID may be Transmission Provider specific.

Each ***scheduledetail*** Template record returned in response to a query shall include information associated with:

1. information specifically related to the scheduled transaction,
2. information from all applicable OASIS transmission reservations used to support the scheduled interchange transaction, and
3. information related to any curtailment or interruption of service (if applicable), including a Transmission Provider's refusal to accept or begin a Customer's proposed interchange transaction for reliability or economic reasons (as allowed by the Provider's Tariff).

Information to be supplied in each ***scheduledetail*** Template's response records related to the scheduled interchange are, SCHEDULE_REF, TRANSACTION_ID, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, GCA_CODE, LCA_CODE, SOURCE, SINK, SCHEDULE_PRIORITY, START_TIME, STOP_TIME, SCHEDULE_REQUESTED, and SCHEDULE_GRANTED.

The posting and availability of schedule and curtailment information on OASIS shall be in accordance with FERC Policy.

SCHEDULE_REF uniquely identifies a particular posting of schedule information. SCHEDULE_REF would vary with each record of data returned in response to a ***scheduledetail*** query. TRANSACTION_ID, if applicable/available, contains a unique identifier associated with an interchange transaction that may span multiple SCHEDULE_REF records. When available or applicable, the TRANSACTION_ID Data Element should reflect any industry-recognized transaction identifier rather than a Provider specific internal identifier (e.g., the NERC electronic tagging "tag-id"). PATH_NAME, POINT_OF_RECEIPT, and POINT_OF_DELIVERY identify the Transmission Provider's specific transmission resources used by the scheduled transaction, and would typically be identical to the corresponding Data Elements associated with the OASIS transmission reservation used to support the schedule. When known, the GCA_CODE and LCA_CODE identify the NERC registered Control Area acronyms associated with the ultimate generation and load control areas respectively. When known or required to more specifically identify the ultimate points of generation and load, the SOURCE and SINK elements identify service points within the generation and load Control Areas respectively. SCHEDULE_PRIORITY identifies the relative priority of this particular interchange transaction as compared to all other scheduled transactions with respect to the application of curtailments or interruptions. SCHEDULE_PRIORITY would typically reflect the curtailment priority Data Elements associated with the OASIS transmission reservation used to support the schedule (i.e., NERC_CURTAILMENT_PRIORITY or OTHER_CURTAILMENT_PRIORITY). START_TIME and STOP_TIME designate the particular time interval represented by this record associated with the scheduled transaction. Note that multiple response records may be returned for a given scheduled transaction when information associated with the schedule vary over time (e.g., SCHEDULE_REQUESTED, SCHEDULE_GRANTED, SCHEDULE_LIMIT, etc.), but that ***scheduledetail*** Template response records for a given scheduled transaction should never overlap in time. SCHEDULE_REQUESTED reflects the MW value requested to be scheduled by the Customer during the hour, and SCHEDULE_GRANTED reflects the MW value actually scheduled by the Transmission Provider at either the point of receipt or delivery, whichever is larger, over the START_TIME/STOP_TIME time interval. When SCHEDULE_REQUESTED exceeds SCHEDULE_GRANTED, a curtailment or interruption is in effect and additional information shall be returned in the record.

Information in each ***scheduledetail*** Template's response record related to the OASIS transmission reservation(s) supporting the scheduled transaction includes ASSIGNMENT_REF, SELLER_CODE, SELLER_DUNS, CUSTOMER_CODE, CUSTOMER_DUNS, AFFILIATE_FLAG, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS, NERC_CURTAILMENT_PRIORITY, OTHER_CURTAILMENT_PRIORITY, and CAPACITY_USED. Transaction schedules that are supported by the use of multiple OASIS transmission reservations return the information attributable to each individual transmission reservation using continuation records (i.e., records beginning with CONTINUATION_FLAG = 'Y'). Each continuation record shall also include the SCHEDULE_REF identifier from the first (CONTINUATION_FLAG = 'N') record. CAPACITY_USED reflects the peak MW amount of the reservation used to support the scheduled transaction; the sum of CAPACITY_USED over

all continuation records (if applicable) should equal the SCHEDULE_GRANTED.

Transaction schedules that were either "denied or interrupted" (ref. 18 CFR 37.6(a)(4)) shall include information in the ***scheduledetail*** Template's response related to the reason the transaction could not be started or continued at the requested MW amount. The information returned shall include: PROVIDER_ACTION, SCHEDULE_LIMIT, CURTAILMENT_OPTIONS, SECURITY_REF, INITIATING_PARTY, RESPONSIBLE_PARTY, PROCEDURE_NAME, PROCEDURE_LEVEL, FACILITY_LOCATION, FACILITY_NAME, FACILITY_CLASS, and FACILITY_LIMIT_TYPE. If there are no restrictions to the scheduled transaction, these Data Elements shall all be returned as null.

PROVIDER_ACTION indicates the particular action taken by the Transmission Provider with respect to the scheduled transaction; specific values to be returned are, DENIED if the schedule was not started as requested, CURTAILED if the scheduled MW was limited for reliability reasons, or INTERRUPTED if the scheduled MW was limited for economic reasons. SCHEDULE_LIMIT reflects the **maximum** MW value over the START_TIME/STOP_TIME interval that the Provider has determined can be scheduled. CURTAILMENT_OPTIONS defines any options the Customer may exercise to reinstate all or part of the proposed schedule. SECURITY_REF, INITIATING_PARTY, RESPONSIBLE_PARTY, PROCEDURE_NAME, PROCEDURE_LEVEL, FACILITY_NAME, FACILITY_CLASS, and FACILITY_LIMIT_TYPE provide information related to the specific transmission security event that prompted the Transmission Provider's denial, curtailment or interruption of the proposed scheduled transaction (see ***security*** Template).

Template: ***scheduledetail***

1. **Query**

   PATH_NAME*
   SELLER_CODE*
   SELLER_DUNS*
   CUSTOMER_CODE*
   CUSTOMER_DUNS*
   POINT_OF_RECEIPT*
   POINT_OF_DELIVERY*
   SERVICE_INCREMENT*
   TS_CLASS*
   TS_TYPE*
   TS_PERIOD*
   TS_WINDOW*
   TS_SUBCLASS*
   START_TIME
   STOP_TIME
   TIME_OF_LAST_UPDATE
   ASSIGNMENT_REF
   TRANSACTION_ID

2. **Response**

CONTINUATION_FLAG
TIME_OF_LAST_UPDATE
SCHEDULE_REF
TRANSACTION_ID
    PATH_NAME
    POINT_OF_RECEIPT
    POINT_OF_DELIVERY
    GCA_CODE
    LCA_CODE
    SOURCE
    SINK
    SCHEDULE_PRIORITY
START_TIME
STOP_TIME
SCHEDULE_REQUESTED
SCHEDULE_GRANTED
ASSIGNMENT_REF
    SELLER_CODE
    SELLER_DUNS
    CUSTOMER_CODE
    CUSTOMER_DUNS
    AFFILIATE_FLAG
    SERVICE_INCREMENT
    TS_CLASS
    TS_TYPE
    TS_PERIOD
    TS_WINDOW
    TS_SUBCLASS
    NERC_CURTAILMENT_PRIORITY
    OTHER_CURTAILMENT_PRIORITY
    CAPACITY_USED
(if the transaction is subject to curtailment:)
PROVIDER_ACTION
SCHEDULE_LIMIT
CURTAILMENT_OPTIONS
SECURITY_REF
    INITIATING_PARTY (e.g., CA/TP code)
    RESPONSIBLE_PARTY (e.g., SC code)
    PROCEDURE_NAME (e.g., "NERC TLR", or registered)
    PROCEDURE_LEVEL (e.g., "2a", "3")
    FACILITY_LOCATION (e.g., "INTERNAL" or "EXTERNAL")
    FACILITY_NAME
    FACILITY_CLASS (e.g., transformer, etc.)
    FACILITY_LIMIT_TYPE (e.g., thermal, stability, etc.)

002-4.3.4.2 Security Event (security)

Security Event (***security***) provides information on transmission security/reliability events that may impact the Provider's ability to schedule transactions. The TIME_OF_LAST_UPDATE, START_TIME, and STOP_TIME

Query Variables select those particular security event postings updated and/or effective: 1) on or after a particular point in time (START_TIME alone), 2) before a particular point in time (STOP_TIME alone), or 3) between particular points in time (START_TIME and STOP_TIME).

The SECURITY_REF Data Element is a unique identifier assigned to each posting of security related information; SECURITY_REF would vary with each record of data returned in response to a ***security*** query. The EVENT_ID Data Element, when available, should reflect any regional or interconnection-wide recognized security event identifier for events that are of greater scope than those administered locally by the Provider (e.g., a NERC ~~Security~~ Reliability Coordinator assigned identifier corresponding to a particular implementation of the NERC TLR procedure). SECURITY_TYPE identifies the type of information posted for the event; restricted values are OUTAGE for postings reflecting the state of critical transmission facilities, and LIMIT for postings reflecting the implementation of security procedures to limit or reduce scheduled transactions. The INITIATING_PARTY identifies by ~~Control~~ Balancing Area, ~~Security~~ Reliability Coordinator or Transmission Provider code the entity calling for the “outage” or “limit”, and RESPONSIBLE_PARTY identifies the entity (~~Control~~ Balancing Area, Transmission Provider, or ~~Security~~ Reliability Coordinator) responsible for administering any resulting security procedure that may be instituted.

PROCEDURE_NAME and PROCEDURE_LEVEL reflect the specific security procedure and, if applicable, the step, stage, or level within that procedure being implemented by RESPONSIBLE_PARTY (e.g., NERC TLR is a recognized security procedure, and level “2a” is a step within that procedure). FACILITY_NAME, FACILITY_CLASS, and FACILITY_LIMIT_TYPE provide specific information related to the impacted transmission facility. FACILITY_LOCATION identifies if the impacted facility is "INTERNAL" or "EXTERNAL" relative to the Transmission Provider’s scope of authority over the named facility.

START_TIME and STOP_TIME reflect the period of time encompassed by the particular security event posted. In cases where a security procedure is invoked and then progresses through various levels or stages, there shall be separate postings for each of those stages declared by RESPONSIBLE_PARTY with START_TIME and STOP_TIME reflecting the period of time each specific level of the procedure was in effect.

The use of the ***security*** Template to convey information related to major transmission facility outages (SECURITY_TYPE = OUTAGE) is at the discretion of the Provider. Its definition in this Template is intended to formalize the posting of facility outage information in an OASIS Template structure where such information prior to implementation of this Template had been posted in a free-form manner.

Template: ***security***

1. **Query**

   START_TIME
   STOP_TIME

TIME_OF_LAST_UPDATE
SECURITY_REF
EVENT_ID
SECURITY_TYPE
INITIATING_PARTY
RESPONSIBLE_PARTY
PROCEDURE_NAME
FACILITY_CLASS
FACILITY_LIMIT_TYPE
FACILITY_LOCATION

2. **Response**

TIME_OF_LAST_UPDATE
SECURITY_REF
EVENT_ID
SECURITY_TYPE ("LIMIT" or "OUTAGE")
INITIATING_PARTY (e.g., CA/TP code)
RESPONSIBLE_PARTY (e.g., SC code)
PROCEDURE_NAME (e.g., "NERC TLR", or registered)
PROCEDURE_LEVEL (dependent on PROCEDURE_NAME)
FACILITY_CLASS (e.g., "FLOWGATE", "LINE", etc.)
FACILITY_LIMIT_TYPE (e.g., "THERMAL", "STABILITY", etc.)
FACILITY_LOCATION ("INTERNAL" or "EXTERNAL")
FACILITY_NAME (e.g., path or flowgate name)
START_TIME
STOP_TIME

002-4.3.4.3 Transmission Reservation Reduction (reduction)

The Transmission Reservation Reduction (***reduction***) Template provides information related to the reduction in the Transmission Customer's rights to schedule use of all or a portion of capacity reserved for a given transmission reservation. Specific cases where such a reduction in reserved capacity would be returned in response to this query Template include: secondary market sales (as posted using the ***transassign*** or ***transsell*** Templates via the REASSIGNED_REF, etc., Data Elements), a Transmission Provider's interruption of the reservation to accommodate higher priority reservations over the interruption interval (partial displacement), etc.

The ASSIGNMENT_REF Query Variable is required and specifies the transmission reservation whose reductions in reserved capacity (if any) are to be returned. The START_TIME and STOP_TIME Query Variables allow the user to select the specific time interval over which the reductions in reserved capacity are to be returned (e.g., return all reductions in June for a year long reservation); by default all reductions over the life of the reservation are returned.

In response to a ***reduction*** Template query, each primary record returned (CONTINUATION_FLAG = N) shall include the ASSIGNMENT_REF, CAPACITY_GRANTED and CAPACITY_AVAILABLE in MWs over the interval from START_TIME to STOP_TIME. CAPACITY_AVAILABLE is derived from the transmission reservation's CAPACITY_GRANTED less all reductions (if

any) in reserved capacity over the interval from START_TIME to STOP_TIME as specified in the CAPACITY_REDUCED (as negative valued MWs) Data Element. The REDUCTION_TYPE, and REDUCTION_REASON Data Elements describe the circumstances and IMPACTING_REF references the associated transmission reservation (if applicable) that caused the reduction in capacity.

If no reductions in reserved capacity have been posted against the reservation, CAPACITY_AVAILABLE will equal CAPACITY_GRANTED and the REDUCTION_TYPE, REDUCTION_REASON, IMPACTING_REF and CAPACITY_REDUCED Data Elements will be null. This response information is equivalent to the CAPACITY_GRANTED, START_TIME, and STOP_TIME information that would be returned on execution of the ***transstatus*** Template.

If the CAPACITY_AVAILABLE over the interval from START_TIME to STOP_TIME is the result of more than one action reducing reserved capacity (e.g., multiple secondary market sales for the same time period), each action reducing capacity will be returned in continuation records (CONTINUATION_FLAG = Y) containing the ASSIGNMENT_REF, REDUCTION_TYPE, REDUCTION_REASON, IMPACTING_REF and CAPACITY_REDUCED Data Elements. If the action is another reservation (e.g. secondary market sale) the REASSIGNED_CAPACITY from that reservation will be shown as a negative value in CAPACITY_REDUCED.

Template: ***reduction***

1. **Query**

   START_TIME
   STOP_TIME
   ASSIGNMENT_REF* (must be specified)

2. **Response**

   CONTINUATION_FLAG
   ASSIGNMENT_REF
   CAPACITY_GRANTED
   CAPACITY_AVAILABLE
   START_TIME
   STOP_TIME
   REDUCTION_TYPE (e.g., REDIRECT, INTERRUPTION, RESALE, DISPLACEMENT, etc.)
   REDUCTION_REASON
   IMPACTING_REF (if applicable)
   CAPACITY_REDUCED

002-4.3.4.4 System Data (systemdata)

The System Data (***systemdata*)** Template is used to query specific, time varying data that is posted on a PATH, POINT_OF_RECEIPT, and/or POINT_OF_DELIVERY basis. The SYSTEM_ATTRIBUTE Data Element defines the type of information returned in the Template response. The restricted values for SYSTEM_ATTRIBUTE are,

- CBM – Capacity Benefit Margin
- TRM – Transmission Reliability Margin
- TTC – Total Transmission Capability
- NATC – Non-recallable (Firm) Available Transmission Capability
- RATC – Recallable (Non-firm) Available Transmission Capability
- {registered} – Provider specific registered name for the data posted

Transmission Providers obligated to post values for one or more of the defined SYSTEM_ATTRIBUTEs on specific transmission paths over time (e.g., hourly, then daily, etc.) as called forth in FERC regulations shall return these posted values via the ***systemdata*** Template. If SYSTEM_ATTRIBUTE is omitted in the query, then all attributes defined by the transmission provider are returned, subject to the other query attributes constraints. A given SYSTEM_ATTRIBUTE may take on only one value at any given point in time. Note that TTC and ATC information may also be viewed using the ***transoffering*** Template at the Transmission Provider's discretion. Offers of service posted by Primary Providers as viewed with the ***transoffering*** Template should reflect the applicable ATC(s) posted via ***systemdata*** in the CAPACITY Data Element.

Template**: systemdata**

1. **Query**

   PATH_NAME*
   POINT_OF_RECEIPT*
   POINT_OF_DELIVERY*
   SYSTEM_ATTRIBUTE*
   START_TIME
   STOP_TIME
   TIME_OF_LAST_UPDATE

2. **Response (acknowledgment)**

   POSTING_REF
   PATH_NAME
   POINT_OF_RECEIPT
   POINT_OF_DELIVERY
   SYSTEM_ATTRIBUTE
   START_TIME
   STOP_TIME
   ATTRIBUTE_VALUE
   ATTRIBUTE_UNITS
   TIME_OF_LAST_UPDATE

002-4.3.5 Query/Response of Lists of Information

002-4.3.5.1 List (list)

List (***list***) is used to provide lists of valid names. The minimum set of lists is LIST, SELLER_CODE, PATH_NAME, POINT_OF_RECEIPT,

POINT_OF_DELIVERY, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_SUBCLASS, TS_WINDOW, NERC_CURTAILMENT_PRIORITY, REQUEST_TYPE, ANC_SERVICE_POINT, FACILITY_CLASS, FACILITY_LIMIT_TYPE, PROCEDURE_NAME, SYSTEM_ATTRIBUTE, SECURITY_TYPE, FACILITY_LOCATION, OTHER_CURTAILMENT_PRIORITY, AS_TYPE, CATEGORY, and TEMPLATE. The information returned by the ***list*** Template may be used as values for the associated OASIS Data Elements to query information, post or request services.

Template: **list**

1. **Query**

   LIST_NAME
   TIME_OF_LAST_UPDATE

2. **Response**

   TIME_OF_LAST_UPDATE
   LIST_NAME
   LIST_ITEM
   LIST_ITEM_DESCRIPTION

002-4.3.6 Purchase Transmission Services

The following Templates shall be used by Customers and Sellers to transact purchases of services.

002-4.3.6.1 Customer Capacity Purchase Request (transrequest)

The **Customer Capacity Purchase Request** (Input) (***transrequest***) is used by the Customer to request the purchase of transmission services or request changes to previously submitted reservations for transmission services. The response simply acknowledges that the Customer's request was received by the OASIS Node. It does not imply that the Seller has received the request. Inputting values into the reference Data Elements is optional.

CUSTOMER_CODE and CUSTOMER_DUNS shall be determined from the registered connection used to input the request.

Supporting "profiles" of service, which request different capacities (and optionally price) for different time periods within a single request, is at the discretion of the Primary Provider. Continuation records may be used to indicate requests for these service profiles; use of continuation records is only supported when using the CSV Format upload of Template data. Each segment of a profile is represented by the Data Elements CAPACITY_REQUESTED, START_TIME, and STOP_TIME, which define the intervals in time over which a non-zero MW demand is being requested. The initial segment of a profile is defined by the CAPACITY_REQUESTED, START_TIME and STOP_TIME Data Elements specified in the first/only record submitted; subsequent segments are specified in continuation records each containing the appropriate CAPACITY_REQUESTED, START_TIME and

STOP_TIME values defining the segment. Provider's may optionally support price negotiation on segments of a profiled reservation request. In this case, the BID_PRICE Data Element is also included in each continuation record. If the BID_PRICE Data Element is not specified in the continuation records, the BID_PRICE specified in the first/only record submitted will be applied to the entire reservation request.

For requesting transmission services which include multiple paths, the following fields may be specified using continuation records: PATH_NAME, POINT_OF_RECEIPT, and POINT_OF_DELIVERY. Supporting multiple paths or multiple POINT_OF_RECEIPT and POINT_OF DELIVERY is at the discretion of the Provider.

The START_TIME and STOP_TIME indicate the requested period of service.

When the request is received at the OASIS Node, the TSIP assigns a unique ASSIGNMENT_REF value and queues the request with a time stamp. The STATUS for the request is QUEUED. The IMPACTED counter is initially set to 0. If the new request is not modifying an existing reservation (as indicated by a null value for the RELATED_REF Data Element) and the SELLER is the Primary Provider, REQUEST_TYPE must either be specified as "ORIGINAL" or be left null and OASIS will substitute the default value of "ORIGINAL". If the new request is not modifying an existing reservation and the SELLER is not the Primary Provider, REQUEST_TYPE must either be specified as "RESALE" or be left null and OASIS will substitute the default value of "RESALE".

If the new request is modifying an existing transmission reservation, the Data Elements REQUEST_TYPE and RELATED_REF must be entered. RELATED_REF contains the ASSIGNMENT_REF for the transmission reservation being modified, and REQUEST_TYPE must be one of MATCHING, REDIRECT, DEFERRAL, RENEWAL, RELINQUISH, or a Primary Provider registered value.

Specification of a value YES in the PRECONFIRMED field authorizes the TSIP to automatically change the STATUS field in the ***transstatus*** Template to CONFIRMED when that request is ACCEPTED by the Seller.

Template: **transrequest**

1. **Input**

   CONTINUATION_FLAG
   SELLER_CODE (Primary or Reseller)
   SELLER_DUNS
   PATH_NAME
   POINT_OF_RECEIPT
   POINT_OF_DELIVERY
   SOURCE
   SINK
   CAPACITY_REQUESTED
   SERVICE_INCREMENT
   TS_CLASS
   TS_TYPE

TS_PERIOD
TS_WINDOW
TS_SUBCLASS
STATUS_NOTIFICATION
START_TIME
STOP_TIME
BID_PRICE
PRECONFIRMED
ANC_SVC_LINK
POSTING_REF (Optionally set by Customer)
SALE_REF (Optionally set by Customer)
REQUEST_REF (Optionally set by Customer)
DEAL_REF (Optionally set by Customer)
CUSTOMER_COMMENTS
REQUEST_TYPE (Required for request changes)
RELATED_REF (Required for request changes)

2. **Response** (acknowledgment)

RECORD_STATUS
CONTINUATION_FLAG
ASSIGNMENT_REF (assigned by TSIP)
SELLER_CODE
SELLER_DUNS
PATH_NAME
POINT_OF_RECEIPT
POINT_OF_DELIVERY
SOURCE
SINK
CAPACITY_REQUESTED
SERVICE_INCREMENT
TS_CLASS
TS_TYPE
TS_PERIOD
TS_WINDOW
TS_SUBCLASS
STATUS_NOTIFICATION
START_TIME
STOP_TIME
BID_PRICE
PRECONFIRMED
ANC_SVC_LINK
POSTING_REF
SALE_REF
REQUEST_REF
DEAL_REF
CUSTOMER_COMMENTS
REQUEST_TYPE
RELATED_REF
ERROR_MESSAGE

002-4.3.6.2 Status of Customer Purchase Request (transstatus)

The **Status of Customer Purchase Request** (***transstatus***) is provided upon the request of any Customer or Provider to indicate the current status of one or more reservation records. Users may also view any transaction's status. However, the SOURCE and SINK may be masked for User requests until Transmission Providers must make source and sink information available at the time the request status posting is updated to show that a transmission request is confirmed.

Continuation records may be returned in association with a transmission reservation to convey information regarding: 1) sale or assignment of transmission rights on the secondary market (reassignments), 2) profiled requests, or 3) service over multiple paths Each continuation record associated with a transmission reservation shall be identified by the CONTINUATION_FLAG Data Element set to 'Y' and include the ASSIGNMENT_REF Data Element.

When a transmission reservation request acquires its rights to transmission service as the result of a sale or assignment of transmission rights on the secondary market, the identity of the original reservation, capacity, and time interval over which rights are assigned to the new reservation are defined by the Data Elements REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME. These Data Elements will be returned in continuation records when more than one set of reassignment information is associated with a reservation.

If the transmission reservation has an associated profile, either as a result of the submission of CAPACITY_REQUESTED varying over time (support for Customer reservation profiles is at the discretion of the Provider) or due to the Provider offering partial service specifying a CAPACITY_GRANTED varying over time, then CAPACITY_GRANTED, CAPACITY_REQUESTED, START_TIME and STOP_TIME for the segments of the profile will be returned in continuation records. If the Provider supports negotiation of price on each segment of a Customer profiled request, BID_PRICE and OFFER_PRICE will also be returned with CAPACITY_REQUESTED, CAPACITY_GRANTED, START_TIME and STOP_TIME.

If the Provider supports reservations submitted on multiple paths, continuation records specifying PATH_NAME, POINT_OF_RECEIPT, and POINT_OF_DELIVERY associated with the reservation would be returned in continuation records.

The AFFILIATE_FLAG will be set by the TSIP to indicate whether or not the Customer is an affiliate of the Primary Provider. The NEGOTIATED_PRICE_FLAG will be set by the TSIP to indicate whether the OFFER_PRICE is higher, lower, or the same as the BID_PRICE. Any time that a confirmed transmission reservation's rights to schedule up to the amount of CAPACITY_GRANTED is reduced, either due to secondary market sales, partial displacements, Provider initiated "recalls" of capacity, etc., the IMPACTED Data Element shall be incremented. Specific information regarding the MW level and reason for reduction in reserved capacity is viewable using the *reduction* Template.

Template: **transstatus**

1. **Query**

SELLER_CODE*
SELLER_DUNS*
CUSTOMER_CODE*
CUSTOMER_DUNS*
PATH_NAME*
POINT_OF_RECEIPT*
POINT_OF_DELIVERY*
SERVICE_INCREMENT*
TS_CLASS*
TS_TYPE*
TS_PERIOD*
TS_WINDOW*
TS_SUBCLASS*
STATUS*
START_TIME (Beginning time of service)
STOP_TIME
START_TIME_QUEUED (Beginning time queue)
STOP_TIME_QUEUED
NEGOTIATED_PRICE_FLAG
ASSIGNMENT_REF
REASSIGNED_REF
RELATED_REF
SALE_REF
REQUEST_REF
DEAL_REF
COMPETING_REQUEST_FLAG
TIME_OF_LAST_UPDATE

2. **Response**

CONTINUATION_FLAG
ASSIGNMENT_REF
SELLER_CODE
SELLER_DUNS
CUSTOMER_CODE
CUSTOMER_DUNS
AFFILIATE_FLAG (Set by TSIP)
PATH_NAME
POINT_OF_RECEIPT
POINT_OF_DELIVERY
SOURCE
SINK
CAPACITY_REQUESTED
CAPACITY_GRANTED
SERVICE_INCREMENT
TS_CLASS
TS_TYPE
TS_PERIOD
TS_WINDOW

TS_SUBCLASS
NERC_CURTAILMENT_PRIORITY
OTHER_CURTAILMENT_PRIORITY
START_TIME
STOP_TIME
CEILING_PRICE
OFFER_PRICE
BID_PRICE
PRICE_UNITS
PRECONFIRMED
ANC_SVC_LINK
ANC_SVC_REQ
POSTING_REF
SALE_REF
REQUEST_REF
DEAL_REF
IMPACTED (Greater than 0, if another reservation impacts this reservation)
COMPETING_REQUEST_FLAG
REQUEST_TYPE
RELATED_REF
NEGOTIATED_PRICE_FLAG ("L" if Seller accepted Price is lower than OFFER_PRICE in *transoffering* Template; "H" if higher; otherwise blank)
STATUS
STATUS_NOTIFICATION
STATUS_COMMENTS
TIME_QUEUED
RESPONSE_TIME_LIMIT
TIME_OF_LAST_UPDATE
PRIMARY_PROVIDER_COMMENTS
SELLER_REF
SELLER_COMMENTS
CUSTOMER_COMMENTS
SELLER_NAME
SELLER_PHONE
SELLER_FAX
SELLER_EMAIL
CUSTOMER_NAME
CUSTOMER_PHONE
CUSTOMER_FAX
CUSTOMER_EMAIL
REASSIGNED_REF
REASSIGNED_CAPACITY (Capacity from each previous transaction)
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME

002-4.3.6.3 Seller Approval of Purchase (transsell)

Seller Approval of Purchase (Input) (***transsell***) is input by a Seller to modify the status and queue of a request by a Customer.

The following fields may be submitted in continuation records for the ***transsell*** Template to convey transmission rights from multiple original transmission reservations to this new reservation: REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME. Use of continuation records is only supported when using the CSV format upload of Template data.

If the Provider/Seller cannot accommodate the Customer's CAPACITY_REQUESTED and is obligated or elects to offer the Customer partial service that varies over the total period of the reservation, CAPACITY_GRANTED, START_TIME and STOP_TIME Data Elements may be repeated in continuation records.

If the Provider/Seller supports the negotiation of price on individual segments of a profiled reservation request (support for reservation profiles is at the discretion of the Provider), OFFER_PRICE, START_TIME and STOP_TIME Data Elements may be submitted in continuation records to modify the Seller's offer price associated with the profile segment(s) corresponding to START_TIME and STOP_TIME. OFFER_PRICE associated with each segment of a profiled request must match the corresponding BID_PRICE for the reservation request's STATUS to be set to ACCEPTED.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request. The SELLER_REF Data Element may be set by the SELLER to a seller specific internal tracking number.

If the reservation is subject to the right of first refusal pending a status change to Displaced, the COMPETING_REQUEST_FLAG shall be set to Y, and SELLER_COMMENTS shall be updated with a reference to the competing request's ASSIGNMENT_REF. If the reservation is subject to the right of first refusal pending a status change to Superseded, the COMPETING_REQUEST_FLAG shall be set to Y, the OFFER_PRICE shall be updated, the SELLER_COMMENTS shall be updated with a reference to the competing requests ASSIGNMENT_REF, and the STATUS shall be set to COUNTEROFFER. Once the disposition of the request is finalized, the COMPETING_REQUEST_FLAG shall be reset to N and any appropriate status change shall be made.

The Seller may accept a reservation only when the BID_PRICE and the OFFER_PRICE are the same.

Template: **transsell**

1. **Input**

   CONTINUATION_FLAG
   ASSIGNMENT_REF (Required)
   START_TIME
   STOP_TIME
   OFFER_PRICE
   CAPACITY_GRANTED
   STATUS

STATUS_COMMENTS
ANC_SVC_LINK
ANC_SVC_REQ
COMPETING_REQUEST_FLAG
NEGOTIATED_PRICE_FLAG
SELLER_REF
SELLER_COMMENTS
RESPONSE_TIME_LIMIT
REASSIGNED_REF
REASSIGNED_CAPACITY (Previous capacity to be reassigned)
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME

2. **Response**

RECORD_STATUS
CONTINUATION_FLAG
ASSIGNMENT_REF
START_TIME
STOP_TIME
OFFER_PRICE
CAPACITY_GRANTED
STATUS
STATUS_COMMENTS
ANC_SVC_LINK
ANC_SVC_REQ
COMPETING_REQUEST_FLAG
NEGOTIATED_PRICE_FLAG
SELLER_REF
SELLER_COMMENTS
RESPONSE_TIME_LIMIT
REASSIGNED_REF
REASSIGNED_CAPACITY (Previous capacity to be reassigned)
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME
ERROR_MESSAGE

002-4.3.6.4 Customer Confirmation of Purchase (Input) (transcust)

Customer Confirmation of Purchase (Input) (***transcust***) is input by the Customer to state his agreement or withdrawal of a purchase after the Seller has indicated that the purchase request is approved. Only the BID_PRICE, STATUS, STATUS_COMMENTS, ANC_SVC_LINK, and CUSTOMER_COMMENTS Data Elements can be modified in this Template.

The PRECONFIRMED Data Element may only be set to a value of 'Y' using this Template. Once the Customer has set PRECONFIRMED to 'Y', either on the original submission of the ***transrequest*** Template or via this Template, its value cannot be reset to 'N'.

CUSTOMER_CODE and CUSTOMER_DUNS shall be determined from the registered connection used to input the request.

The Customer must change the BID_PRICE to be equal to the OFFER_PRICE before the reservation request's STATUS can be set to CONFIRMED.

If the Provider/Seller supports the negotiation of price on individual segments of a profiled reservation request (support for reservation profiles is at the discretion of the Provider), BID_PRICE, START_TIME and STOP_TIME Data Elements may be submitted in continuation records to modify the Customer's bid price associated with the profile segment(s) corresponding to START_TIME and STOP_TIME. BID_PRICE associated with each segment of a profiled request must match the corresponding OFFER_PRICE for the reservation request's STATUS to be set to CONFIRMED.

Template: **transcust**

1. **Input**

   CONTINUATION_FLAG
   ASSIGNMENT_REF (Required)
   START_TIME
   STOP_TIME
   REQUEST_REF
   DEAL_REF
   BID_PRICE
   PRECONFIRMED
   STATUS
   STATUS_COMMENTS
   ANC_SVC_LINK
   STATUS_NOTIFICATION If left blank, then original URL from the *transrequest* will be used
   CUSTOMER_COMMENTS

2. **Response**

   RECORD_STATUS
   CONTINUATION_FLAG
   ASSIGNMENT_REF
   START_TIME
   STOP_TIME
   REQUEST_REF
   DEAL_REF
   BID_PRICE
   PRECONFIRMED
   STATUS
   STATUS_COMMENTS
   ANC_SVC_LINK
   STATUS_NOTIFICATION
   CUSTOMER_COMMENTS
   ERROR_MESSAGE

002-4.3.6.5 Seller to Reassign Service Rights to Another Customer (transassign)

Seller to Reassign Service Rights to Another Customer (Input) (***transassign***) is used by the seller to ask the Transmission Services Information Provider to

reassign some or all of the seller's rights to Services to another Customer, for seller confirmed transactions that have occurred off the OASIS Node. The TSIP shall assign a unique ASSIGNMENT_REF in the response (acknowledgment) and enter the status CONFIRMED as viewed in the ***transstatus*** Template. SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Only the following fields may be redefined in a continuation record for the ***transassign*** input Template: CAPACITY_REQUESTED, CAPACITY_GRANTED, START_TIME, STOP_TIME, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME. The REQUEST_TYPE of "RESALE" is implied through execution of this Template.

Template: **transassign**

1. **Input**

   CONTINUATION_FLAG
   CUSTOMER_CODE
   CUSTOMER_DUNS
   PATH_NAME
   POINT_OF_RECEIPT
   POINT_OF_DELIVERY
   SOURCE
   SINK
   CAPACITY_REQUESTED
   CAPACITY_GRANTED
   SERVICE_INCREMENT
   TS_CLASS
   TS_TYPE
   TS_PERIOD
   TS_WINDOW
   TS_SUBCLASS
   START_TIME
   STOP_TIME
   OFFER_PRICE
   ANC_SVC_LINK (optional: filled in if assignment is different than original transmission reservation)
   POSTING_NAME
   REASSIGNED_REF
   REASSIGNED_CAPACITY (Capacity being sold from each previous assignment)
   REASSIGNED_START_TIME
   REASSIGNED_STOP_TIME
   SELLER_COMMENTS
   SELLER_REF

2. **Response (acknowledgment)**

   RECORD_STATUS
   CONTINUATION_FLAG
   ASSIGNMENT_REF (assigned by TSIP)

CUSTOMER_CODE
CUSTOMER_DUNS
PATH_NAME
POINT_OF_RECEIPT
POINT_OF_DELIVERY
SOURCE
SINK
CAPACITY_REQUESTED
CAPACITY_GRANTED (Total capacity being reassigned)
SERVICE_INCREMENT
TS_CLASS
TS_TYPE
TS_PERIOD
TS_WINDOW
TS_SUBCLASS
START_TIME
STOP_TIME
OFFER_PRICE
ANC_SVC_LINK
POSTING_NAME
REASSIGNED_REF
REASSIGNED_CAPACITY (Capacity being sold from each previous assignment)
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME
SELLER_COMMENTS
SELLER_REF
ERROR_MESSAGE

002-4.3.7 Seller Posting of Transmission Services

Sellers shall use the following Templates for providing sell information. They may aggregate portions of several previous purchases to create a new service, if this capability is provided by the Transmission Services Information Provider:

002-4.3.7.1 Seller Capacity Posting (transpost)

Seller Capacity Posting (Input) (***transpost***) shall be used by the Seller to post the transmission capacity for resale on to the OASIS Node.
SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Template: **transpost**

1. **Input**

   PATH_NAME
   POINT_OF_RECEIPT
   POINT_OF_DELIVERY
   INTERFACE_TYPE
   CAPACITY
   SERVICE_INCREMENT
   TS_CLASS

TS_TYPE
TS_PERIOD
TS_WINDOW
TS_SUBCLASS
ANC_SVC_REQ
START_TIME
STOP_TIME
OFFER_START_TIME
OFFER_STOP_TIME
SALE_REF
OFFER_PRICE
SERVICE_DESCRIPTION
SELLER_COMMENTS

2. **Response** (Acknowledgment)

RECORD_STATUS
POSTING_REF (Assigned by TSIP)
PATH_NAME
POINT_OF_RECEIPT
POINT_OF_DELIVERY
INTERFACE_TYPE
CAPACITY
SERVICE_INCREMENT
TS_CLASS
TS_TYPE
TS_PERIOD
TS_WINDOW
TS_SUBCLASS
ANC_SVC_REQ
START_TIME
STOP_TIME
OFFER_START_TIME
OFFER_STOP_TIME
SALE_REF
OFFER_PRICE
SERVICE_DESCRIPTION
SELLER_COMMENTS
ERROR_MESSAGE

002-4.3.7.2 Seller Capacity Modify (transupdate)

Seller Capacity Modify (Input) (***transupdate***) shall be used by a Seller to modify a posting of transmission capacity.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Template: **transupdate**

1. **Input**

POSTING_REF (Must be provided)

CAPACITY (only if modified)
START_TIME (only if modified)
STOP_TIME (only if modified)
OFFER_START_TIME (only if modified)
OFFER_STOP_TIME (only if modified)
ANC_SVC_REQ (only if modified)
SALE_REF (only if modified)
OFFER_PRICE (only if modified)
SERVICE_DESCRIPTION (only if modified)
SELLER_COMMENTS (only if modified)

2. **Response** (acknowledgment)

RECORD_STATUS
POSTING_REF
CAPACITY
START_TIME
STOP_TIME
OFFER_START_TIME
OFFER_STOP_TIME
ANC_SVC_REQ

SALE_REF
OFFER_PRICE
SERVICE_DESCRIPTION
SELLER_COMMENTS
ERROR_MESSAGE

002-4.3.8 Purchase of Ancillary Services

002-4.3.8.1 Customer Requests to Purchase Ancillary Services (ancrequest)

Customer Requests to Purchase Ancillary Services (***ancrequest***) (Input, Template Upload) is used by the customer to request ancillary services that have been posted by a seller of those services. The response simply acknowledges that the Customer's request was received by the OASIS Node. It does not imply that the Seller has received the request. The same requirements exist for the use of STATUS_NOTIFICATION as for ***transrequest***. Submitting values into the reference Data Elements is optional.

CUSTOMER_CODE and CUSTOMER_DUNS shall be determined from the registered connection used to input the request.

Supporting "profiles" of ancillary service, which request different capacities (and optionally price) for different time periods within a single request, is at the discretion of the Primary Provider. Continuation records may be used to indicate requests for these service profiles. Each segment of a profile is represented by the Data Elements CAPACITY, START_TIME, and STOP_TIME, which define the intervals in time over which a non-zero MW demand is being requested. The initial segment of a profile is defined by the CAPACITY, START_TIME and STOP_TIME Data Elements specified in the first/only record submitted; subsequent segments are specified in continuation records each containing the appropriate CAPACITY, START_TIME and

STOP_TIME values defining the segment. Provider's may optionally support price negotiation on segments of a profiled reservation request. In this case, the BID_PRICE Data Element is also included in each continuation record. If the BID_PRICE Data Element is not specified in the continuation records, the BID_PRICE specified in the first/only record submitted will be applied to the entire reservation request.

The START_TIME and STOP_TIME indicate the requested period of service.

When the request is received at the OASIS Node, the TSIP assigns a unique ASSIGNMENT_REF value and queues the request with a time stamp. The STATUS for the request is QUEUED.

Specification of a value YES in the PRECONFIRMED field authorizes the TSIP to automatically change the STATUS field in the ***ancstatus*** Template to CONFIRMED when that request is ACCEPTED by the Seller.

Template: **ancrequest**

1. **Input**

   CONTINUATION_FLAG
   SELLER_CODE
   SELLER_DUNS
   CONTROL_AREA
   ANC_SERVICE_POINT
   CAPACITY
   SERVICE_INCREMENT
   AS_TYPE
   STATUS_NOTIFICATION
   START_TIME
   STOP_TIME
   BID_PRICE
   PRECONFIRMED
   POSTING_REF (Optionally set by Customer)
   SALE_REF (Optionally set by Customer)
   REQUEST_REF (Optionally set by Customer)
   DEAL_REF (Optionally set by Customer)
   CUSTOMER_COMMENTS

2. **Response** (acknowledgment)

   RECORD_STATUS
   CONTINUATION_FLAG
   ASSIGNMENT_REF (assigned by TSIP)
   SELLER_CODE
   SELLER_DUNS
   CONTROL_AREA
   ANC_SERVICE_POINT
   CAPACITY
   SERVICE_INCREMENT
   AS_TYPE
   STATUS_NOTIFICATION

START_TIME
STOP_TIME
BID_PRICE
PRECONFIRMED
POSTING_REF
SALE_REF
REQUEST_REF
DEAL_REF
CUSTOMER_COMMENTS
ERROR_MESSAGE

002-4.3.8.2 Ancillary Services Status (ancstatus)

Ancillary Services Status (***ancstatus***) is used to provide the status of purchase requests regarding the ancillary services that are available for sale by all Service Providers. Continuation records may be returned in association with a ancillary services reservation to convey information regarding: 1) sale or assignment of ancillary rights on the secondary market (reassignments), or 2) profiled requests. When an ancillary reservation request is the result of a sale or assignment of transmission or ancillary rights on the secondary market, the identity of the original reservation, capacity, and time interval over which rights are assigned to the new reservation are defined by the Data Elements REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME. These Data Elements will be returned in continuation records when more than one set of reassignment information is associated with a reservation. If the reservation has an associated profile (support for reservation profiles is at the discretion of the Provider), CAPACITY, START_TIME and STOP_TIME for the segments of the profile will be returned in continuation records. If the Provider supports negotiation of price on each segment of a profiled request, BID_PRICE and OFFER_PRICE will also be returned with CAPACITY, START_TIME and STOP_TIME.

The AFFILIATE_FLAG will be set by the TSIP to indicate whether or not the Customer is an affiliate of the Seller.

The values of STATUS and processes for setting STATUS are the same as for ***transstatus***.

Template: **ancstatus**

1. **Query**

   SELLER_CODE*
   SELLER_DUNS*
   CUSTOMER_CODE*
   CUSTOMER_DUNS*
   CONTROL_AREA
   ANC_SERVICE_POINT
   SERVICE_INCREMENT
   AS_TYPE
   STATUS
   START_TIME

STOP_TIME
START_TIME_QUEUED
STOP_TIME_QUEUED
NEGOTIATED_PRICE_FLAG
ASSIGNMENT_REF
REASSIGNED_REF
SALE_REF
REQUEST_REF
DEAL_REF
TIME_OF_LAST_UPDATE (only if TIME_OF_LAST_UPDATE is posted by record)

2. **Response**

CONTINUATION_FLAG
ASSIGNMENT_REF
SELLER_CODE
SELLER_DUNS
CUSTOMER_CODE
CUSTOMER_DUNS
AFFILIATE_FLAG (Set by TSIP)
CONTROL_AREA
ANC_SERVICE_POINT
CAPACITY
SERVICE_INCREMENT
AS_TYPE
START_TIME
STOP_TIME
CEILING_PRICE
OFFER_PRICE
BID_PRICE
PRICE_UNITS
PRECONFIRMED
POSTING_REF
SALE_REF
REQUEST_REF
DEAL_REF
NEGOTIATED_PRICE_FLAG ("L" if Seller accepted Price is lower than OFFER_PRICE in *ancoffering* Template; "H" if higher; otherwise blank)
STATUS
STATUS_NOTIFICATION
STATUS_COMMENTS
TIME_QUEUED
RESPONSE_TIME_LIMIT
TIME_OF_LAST_UPDATE
PRIMARY_PROVIDER_COMMENTS
SELLER_COMMENTS
CUSTOMER_COMMENTS
SELLER_NAME
SELLER_PHONE
SELLER_FAX
SELLER_EMAIL
CUSTOMER_NAME

CUSTOMER_PHONE
CUSTOMER_FAX
CUSTOMER_EMAIL
REASSIGNED_REF
REASSIGNED_CAPACITY
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME

002-4.3.8.3 Seller Approves Ancillary Service (ancsell)

Seller Approves Ancillary Service (***ancsell***) is used by the Seller to confirm acceptance after the Seller has approved the purchase of ancillary service.

The following fields may be submitted in continuation records for the ***ancsell*** Template to convey ancillary rights from multiple original ancillary service reservations to this new reservation: REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME. If the Provider/Seller supports the negotiation of price on individual segments of a profiled reservation request (support for reservation profiles is at the discretion of the Provider), OFFER_PRICE, START_TIME and STOP_TIME Data Elements may be submitted in continuation records to modify the Seller's offer price associated with the profile segment(s) corresponding to START_TIME and STOP_TIME. OFFER_PRICE associated with each segment of a profiled request must match the corresponding BID_PRICE for the reservation request's STATUS to be set to ACCEPTED.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Template: **ancsell**

1. **Input**

   CONTINUATION_FLAG
   ASSIGNMENT_REF (Required)
   START_TIME
   STOP_TIME
   OFFER_PRICE
   STATUS
   STATUS_COMMENTS
   NEGOTIATED_PRICE_FLAG
   RESPONSE_TIME_LIMIT
   SELLER_COMMENTS
   REASSIGNED_REF
   REASSIGNED_CAPACITY
   REASSIGNED_START_TIME
   REASSIGNED_STOP_TIME

2. **Response** (acknowledgment)

   RECORD_STATUS
   CONTINUATION_FLAG

ASSIGNMENT_REF
START_TIME
STOP_TIME
OFFER_PRICE
STATUS
STATUS_COMMENTS
NEGOTIATED_PRICE_FLAG
RESPONSE_TIME_LIMIT
SELLER_COMMENTS
REASSIGNED_REF
REASSIGNED_CAPACITY
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME
ERROR_MESSAGE

002-4.3.8.4 Customer accepts Ancillary Service (anccust)

Customer accepts Ancillary Service (***anccust)*** is used by the customer to confirm acceptance after the seller has approved the purchase of ancillary service.

The Customer must change the BID_PRICE to be equal to the OFFER_PRICE before the reservation request's STATUS can be set to CONFIRMED. If the Provider/Seller supports the negotiation of price on individual segments of a profiled reservation request (support for reservation profiles is at the discretion of the Provider), BID_PRICE, START_TIME and STOP_TIME Data Elements may be submitted in continuation records to modify the Customer's bid price associated with the profile segment(s) corresponding to START_TIME and STOP_TIME. BID_PRICE associated with each segment of a profiled request must match the corresponding OFFER_PRICE for the reservation request's STATUS to be set to CONFIRMED.

CUSTOMER_CODE and CUSTOMER_DUNS shall be determined from the registered connection used to input the request.

Template: **anccust**

1. **Input**

   CONTINUATION_FLAG
   ASSIGNMENT_REF (Required)
   START_TIME
   STOP_TIME
   REQUEST_REF
   DEAL_REF
   BID_PRICE
   PRECONFIRMED
   STATUS
   STATUS_COMMENTS
   STATUS_NOTIFICATION (If left blank, then the original URL from the *ancrequest* will be used
   CUSTOMER_COMMENTS

2. **Response** (Acknowledgment)

   RECORD_STATUS
   CONTINUATION_FLAG
   ASSIGNMENT_REF
   START_TIME
   STOP_TIME
   REQUEST_REF
   DEAL_REF
   BID_PRICE
   PRECONFIRMED
   STATUS
   STATUS_COMMENTS
   STATUS_NOTIFICATION
   CUSTOMER_COMMENTS
   ERROR_MESSAGE

002-4.3.8.5 Seller to Reassign Service Rights to Another Customer (ancassign)

Seller to Reassign Service Rights to Another Customer (Input) (***ancassign***) is used by the seller to ask the Transmission Services Information Provider to reassign some or all of the seller's rights to Services to another Customer, for seller confirmed transactions that have occurred off the OASIS Node.

Implementation of this Template is optional until such time that a business case requiring the use of such a facility to selectively reassign ancillary services is clearly demonstrated.

The TSIP shall assign a unique ASSIGNMENT_REF in the response (acknowledgment) and enter the status CONFIRMED as viewed in the ***ancstatus*** Template.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Only the following fields may be redefined in a continuation record for the ***ancassign*** input Template: CAPACITY, START_TIME, STOP_TIME, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Template: **ancassign**

1. **Input**

   CONTINUATION_FLAG
   CUSTOMER_CODE
   CUSTOMER_DUNS
   CONTROL_AREA
   ANC_SERVICE_POINT
   CAPACITY

SERVICE_INCREMENT
AS_TYPE
START_TIME
STOP_TIME
OFFER_PRICE
POSTING_NAME
REASSIGNED_REF
REASSIGNED_CAPACITY (Capacity being sold from each previous assignment)
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME
SELLER_COMMENTS

2. **Response (acknowledgment)**

RECORD_STATUS
CONTINUATION_FLAG
ASSIGNMENT_REF (assigned by TSIP)
CUSTOMER_CODE
CUSTOMER_DUNS
CONTROL_AREA
ANC_SERVICE_POINT
CAPACITY (Total capacity being reassigned)
SERVICE_INCREMENT
AS_TYPE
START_TIME
STOP_TIME
OFFER_PRICE
POSTING_NAME
REASSIGNED_REF
REASSIGNED_CAPACITY (Capacity being sold from each previous assignment)
REASSIGNED_START_TIME
REASSIGNED_STOP_TIME
SELLER_COMMENTS
ERROR_MESSAGE

002-4.3.9 Seller Posting of Ancillary Services

002-4.3.9.1 Seller Ancillary Services Posting (ancpost)

Seller Ancillary Services Posting (***ancpost***) is used by the Seller to post information regarding the different services that are available for sale by third party Sellers of ancillary services.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Template: **ancpost**

1. **Input**

CONTROL_AREA

SERVICE_DESCRIPTION
CAPACITY
SERVICE_INCREMENT
AS_TYPE
START_TIME
STOP_TIME
OFFER_START_TIME
OFFER_STOP_TIME
SALE_REF
OFFER_PRICE
SELLER_COMMENTS

2. **Response** (acknowledgment)

RECORD_STATUS
POSTING_REF (Assigned by TSIP)
CONTROL_AREA
SERVICE_DESCRIPTION
CAPACITY
SERVICE_INCREMENT
AS_TYPE
START_TIME
STOP_TIME
OFFER_START_TIME
OFFER_STOP_TIME
SALE_REF
OFFER_PRICE
SELLER_COMMENTS
ERROR_MESSAGE

002-4.3.9.2 Seller Modify Ancillary Services Posting (ancupdate)

Seller Modify Ancillary Services Posting (***ancupdate***) is used by the Seller to modify posted information regarding ancillary services that are available for sale by a third party Seller.

SELLER_CODE and SELLER_DUNS shall be determined from the registered connection used to input the request.

Template: **ancupdate**

1. **Input**

POSTING_REF (Required)
CAPACITY (only if modified)
SERVICE_DESCRIPTION (only if modified)
START_TIME (only if modified)
STOP_TIME (only if modified)
OFFER_START_TIME (only if modified)
OFFER_STOP_TIME (only if modified)
SALE_REF (only if modified)
OFFER_PRICE (only if modified)
SELLER_COMMENTS (only if modified)

2. **Response (acknowledgment)**

   RECORD_STATUS
   POSTING_REF
   CAPACITY
   SERVICE_DESCRIPTION
   START_TIME
   STOP_TIME
   OFFER_START_TIME
   OFFER_STOP_TIME
   SALE_REF
   OFFER_PRICE
   SELLER_COMMENTS
   ERROR_MESSAGE

002-4.3.10 Informal Messages

002-4.3.10.1 Provider/Customer Want Ads and Informal Message Posting Request (messagepost)

Provider/Customer Want Ads and Informal Message Posting Request (***messagepost***) is used by Providers and Customers who wish to post a message. The valid entries for CATEGORY shall be defined by providers and shall be listed in the List of CATEGORY Template.

CUSTOMER_CODE and CUSTOMER_DUNS shall be determined from the registered connection used to input the request.

When the OASIS node is out of service and transmission requests are received by the TP by phone or fax then the CATEGORY=OASIS_MAINTENANCE_OUTAGE will be used to document the outage. The VALID_FROM_TIME will be the time the outage started and VALID_TO_TIME will be the time the outage ended. A list of all transactions that occurred during the outage and entered afterwards will be available through a query of the ***transstatus*** Template using START_TIME_QUEUED=<VALID_FROM_TIME> and STOP_TIME_QUEUED=<VALID_TO_TIME>.

Template: **messagepost**

1. **Input**

   SUBJECT
   CATEGORY
   VALID_FROM_TIME
   VALID_TO_TIME
   MESSAGE (must be specified)

2. **Response** (acknowledgment)

   RECORD_STATUS
   POSTING_REF (assigned by information provider)

SUBJECT
CATEGORY
VALID_FROM_TIME
VALID_TO_TIME
MESSAGE
ERROR_MESSAGE

002-4.3.10.2 Message (message)

Message (***message***) is used to view a posted Want Ad or Informal Message. The CATEGORY Data Element can be queried.

Template: **message**

1. **Query**

   CUSTOMER_CODE
   CUSTOMER_DUNS
   POSTING_REF
   CATEGORY
   VALID_FROM_TIME
   VALID_TO_TIME
   TIME_POSTED

2. **Response**

   CUSTOMER_CODE
   CUSTOMER_DUNS
   POSTING_REF
   SUBJECT
   CATEGORY
   VALID_FROM_TIME
   VALID_TO_TIME
   TIME_POSTED
   CUSTOMER_NAME
   CUSTOMER_PHONE
   CUSTOMER_FAX
   CUSTOMER_EMAIL
   MESSAGE

002-4.3.10.3 Provider/Sellers Message Delete Request (messagedelete)

Provider/Sellers Message Delete Request (***messagedelete***) is used by Providers and Sellers who wish to delete their message. The POSTING_REF number is used to determine which message.

CUSTOMER_CODE and CUSTOMER_DUNS shall be determined from the registered connection used to input the request.

Template: **messagedelete**

1. **Input**

POSTING_REF

2. **Response** (Acknowledgment)

   RECORD_STATUS
   POSTING_REF
   ERROR_MESSAGE

002-4.3.10.4 Personnel Transfers (personnel)

The Personnel Transfers ***(personnel)*** Template is used to indicate when personnel are transferred between the merchant function and the Transmission Provider function as required by Standards of Conduct WEQ 009 or applicable regulations.

Template: **personnel**

1. **Query**

   TIME_OF_LAST_UPDATE
   START_TIME_POSTED
   STOP_TIME_POSTED

2. **Response**

   POSTING_NAME
   EMPLOYEE_NAME
   FORMER_POSITION
   FORMER_COMPANY
   FORMER_DEPARTMENT
   NEW_POSITION
   NEW_COMPANY
   NEW_DEPARTMENT
   DATE_TIME_EFFECTIVE
   TIME_POSTED
   TIME_OF_LAST_UPDATE

002-4.3.10.5 Discretion (discretion)

The Discretion ***(discretion)*** Template is used to describe the circumstances when discretion was exercised in applying terms of the tariff, as described in the Standards of Conduct WEQ 009 or applicable regulations.

Template: **discretion**

1. **Query**

   START_TIME_POSTED
   STOP_TIME_POSTED
   START_TIME
   STOP_TIME

SERVICE_TYPE
SERVICE_NAME
TIME_OF_LAST_UPDATE

2. **Response**

POSTING_NAME
RESPONSIBLE_PARTY_NAME (name of person granting discretion)
SERVICE_TYPE (ancillary or transmission)
SERVICE_NAME (make consistent with offering Templates)
TARIFF_REFERENCE
START_TIME
STOP_TIME
DISCRETION_DESCRIPTION
TIME_POSTED
TIME_OF_LAST_UPDATE

002-4.3.10.6 Standards of Conduct (stdconduct)

The Standards of Conduct ***(stdconduct)*** Template indicates when information is disclosed in a manner contrary to the standards of conduct, as described in the Standards of Conduct WEQ 009 or applicable regulations.

Template: **stdconduct**

1. **Query**
   START_TIME_POSTED
   STOP_TIME_POSTED
   TIME_OF_LAST_UPDATE

2. **Response**

   POSTING_NAME
   RESPONSIBLE_PARTY_NAME
   STANDARDS_OF_CONDUCT_ISSUES
   TIME_POSTED
   TIME_OF_LAST_UPDATE

002-4.3.11 Audit Log

The OASIS audit log report facility shall be implemented by the definition of the following Templates:

transofferingaudit	- audit counterpart to ***transoffering***
ancofferingaudit	- audit counterpart to ***ancoffering***
scheduledetailaudit	- audit counterpart to ***scheduledetail***
securityaudit	- audit counterpart to ***security***
systemdataaudit	- audit counterpart to ***systemdata***
transstatusaudit	- audit counterpart to ***transstatus***
ancstatusaudit	- audit counterpart to ***ancstatus***
personnelaudit	- audit counterpart to ***personnel***
discretionaudit	- audit counterpart to ***discretion***

~~d~~stdconductaudit - audit counterpart to ***stdconduct***

Each of these audit Templates is an extension to the OASIS Template definitions of their non-audit counterparts. The requirements for implementation of the audit Templates are~~is~~ defined in the following sections.

002-4.3.11.1 Query Variables

Each of the audit Templates defined shall support exactly the same set of Query Variables as defined for their non-audit Template counterpart. As with the standard Template definitions, audit reports may be downloaded in Comma Separated Value (CSV) format by the specification of the OUTPUT_FORMAT=DATA Query Variable, or may be viewed using a web browser when OUTPUT_FORMAT=HTML is specified.

002-4.3.11.2 Audit Report Response Format

Audit report information shall be returned in response to a valid query request made to any of the audit Templates defined. Query variables may be specified as allowed by each individual Template and shall have the effect of limiting the scope of audit data returned to that set of information selected by that combination of additional Query Variables.

The response to an audit query shall consist of ordered sets of information reflecting both the current information as posted on OASIS and the full history of changes made to that information. These ordered sets of information are organized around the individual postings or "records" returned in response to the applicable non-audit Template. For example, execution of the ***transstatus*** (or ***ancstatus***) Template returns a set of individual records identified by unique ASSIGNMENT_REF. The ***transstatusaudit*** Template response is then organized by ASSIGNMENT_REF and would show all changes made to those Data Elements associated with each individual ASSIGNMENT_REF record.

Execution of the ***transoffering*** (or ***ancoffering*** or ***systemdata***) Template returns a set of individual records identified by unique POSTING_REF. The ***transofferingaudit*** Template response is then organized by POSTING_REF and would show all changes made to those Data Elements associated with each individual POSTING_REF record.

The specific audit report response format is detailed in the following sections.

002-4.3.11.3 Comma Separated Value (CSV) Format

A CSV formatted audit Template response shall comply with all the general provisions and specifications defined previously for a CSV formatted response. The CSV response records shall be ~~-~~organized in sets of records containing both the latest information posted on OASIS and all changes made to that information over time.

002-4.3.11.3.1 CSV Response Header Records

The following additional Data Element names shall be included as the first set of Data Elements in the COLUMN_HEADERS record and the corresponding Data Element values shall be included in each subsequent Data Record (row) returned in the audit response:

RECORD_TYPE
TIME_OF_LAST_UPDATE
MODIFYING_COMPANY_CODE
MODIFYING_NAME

These Data Elements shall precede the standard Data Elements associated with the specific Template being invoked.
The RECORD_TYPE Data Element shall take on one of the following restricted values:

I - denotes a record of information as it appeared on its initial **I**nsertion (posting) on OASIS
U - denotes a record of information as it appeared immediately following an **U**pdate to the posted information
D - denotes a record of any **D**eleted information as it last appeared on OASIS.

The TIME_OF_LAST_UPDATE Data Element shall contain the time that the Template Data Elements were inserted, updated or deleted to the values reported in that record (row) of the response. This Data Element is identical to the standard Template TIME_OF_LAST_UPDATE Data Element, and is included as part of the fixed audit specific Data Element columns to aid users in sorting the audit response records.

The MODIFYING_COMPANY_CODE and MODIFYING_NAME Data Elements shall contain the identity of the entity (by the appropriate 4-6 character customer/provider code) and the person that inserted, updated or deleted the Data Elements to the values reported in that record (row) of the response. In the event the modification of posted information cannot be associated with a specific OASIS user (e.g., as a result of an automated back-end process), the MODIFYING_NAME Data Element may be null.

Immediately following the MODIFYING_NAME column header, each of the standard non-audit counterpart Template's Data Elements shall be listed in the exact sequence defined for that non-audit Template.

Finally, OASIS implementations may include additional Data Elements identified by unique column headers appended after the fixed audit and standard Template Data Elements. These additional Data Elements may be used to convey implementation specific information maintained in the OASIS database in association with the data being audited.

002-4.3.11.3.2 CSV Data Records

In formatting an audit response, OASIS shall collect and order information into sets of Data Records (rows). Each set of records returned shall include a record corresponding to the information as original inserted into the OASIS database denoted by a RECORD_TYPE of "I", and as many additional records

with RECORD_TYPE of "U" corresponding to each update made to that information over time. If applicable, a record may also be returned in the set with a RECORD_TYPE of "D" if the corresponding information was effectively deleted from the database. The number of sets of audit report records returned in response to an audit query shall be determined by the number and type of additional Template Query Variables specified by the user.

002-4.3.11.3.3 CSV Continuation Records

Continuation records are used in certain standard Phase 1-A Templates to report repeating Data Elements associated with a single OASIS transaction such as demand profiles or the reassignment of rights on the secondary market. The first (CONTINUATION_FLAG=N) record and all associated continuation (CONTINUATION_FLAG=Y) records shall be treated as a group when generating the response to an audit query. To minimize the volume of information reported in an audit response, implementations may elect to suppress repeating the contents of information contained in continuation records if none of the Data Elements associated with those continuation records were modified. If, however, the Data Element(s) to be reported by an audit record are contained in one or more of the continuation records (e.g., a change was made to a transmission reservation's demand profile), the first (CONTINUATION_FLAG=N) record followed by the entire group of continuation (CONTINUATION_FLAG=Y) records shall be reported.

002-4.3.11.3.4 CSV Response Header Records

Finally, OASIS implementations may include additional Data Elements identified by unique column headers appended after the fixed audit and standard Template Data Elements. These additional Data Elements may be used to convey implementation specific information maintained in the OASIS database in association with the data being audited.

002-4.3.11.4 HTML Output

Specification of the Query Variable OUTPUT_FORMAT=HTML shall minimally result in an audit report formatted identically to the CSV Format (OUTPUT_FORMAT=DATA) with the exception that the response shall be returned using the HTTP header **"Content-type: text/plain"** specification. This will result in the CSV Data Records being rendered in simple text within the user's web-browser. More sophisticated HTML formatted responses to audit queries may be provided by the TSIPs at their discretion.

002-4.3.11.5 Special Audit Template Considerations

Transoffering

The ***transoffering*** Template is used to convey information on transmission services offered for sale as well as the availability of transmission capability (TTC/ATC). The proposed audit reporting scheme may prove inadequate to generate audits of both the commercial aspects of offers posted on OASIS (i.e., price, etc.) and the reliability aspects associated with those offers (i.e.,

ATC) depending on how these two different types of information are represented internally by each OASIS node.

For those OASIS implementations that handle TTC/ATC information separately from the posting of commercial offers of service, audit reports generated by the ***transofferingaudit*** Template may be limited to only reporting changes to the Data Elements associated with the commercial aspects of the offer (e.g., OFFER_PRICE, OFFER_START_TIME, etc.), and may return a null value for the CAPACITY Data Element. These nodes shall use the ***systemdataaudit*** Template audit reporting facility to allow for the full auditing of changes made to TTC and ATC postings as required under Federal Regulations.

Scheduledetail

The ***scheduledetail*** Template combines information from one or more transmission reservations and transmission security event postings (e.g., TLRs) with information posted on actual scheduled use of the transmission system. Audit information related to changes made to a given transmission reservation shall be auditable using the ***transstatusaudit*** Template. Audit information related to the posting of transmission security events that led to a curtailment or interruption of service, or the denial of a request to schedule service shall be auditable using the ***securityaudit*** Template. Therefore, the ***scheduledetailaudit*** Template shall only be required to report changes to the following Data Elements associated with the ***scheduledetail*** Template:

TRANSACTION_ID
START_TIME
STOP_TIME
SCHEDULE_REQUESTED
SCHEDULE_GRANTED
ASSIGNMENT_REF
PROVIDER_ACTION
SCHEDULE_LIMIT
CURTAILMENT_OPTIONS
SECURITY_REF

002-4.4 FILE REQUEST AND FILE DOWNLOAD EXAMPLES

See the OASIS Implementation Guide WEQ 013-4.1.

002-4.4.1 [Deleted]
002-4.4.2 [Deleted]

002-4.4.3 [Deleted]

002-4.4.4 [Deleted]
002-4.4.5 [Deleted]
002-4.4.6 [Deleted]

002-4.4.6.1 [Deleted]

002-4.4.6.2 [Deleted]
002-4.4.6.3 [Deleted]

002-4.4.6.4 [Deleted]

002-4.4.6.5 [Deleted]

002-4.4.6.6 [Deleted]

002-4.4.7 [Deleted]

002-4.4.7.1 [Deleted]

002-4.4.7.2 [Deleted]

002-4.5 GENERAL POSTINGS

002-4.5.1 INFO.HTM

When a regulatory order requires informational postings on OASIS and there is no OASIS S&CP template to support the postings or it is deemed inappropriate to use a template, or the location of the posting has not been required to be elsewhere, there shall be a reference in INFO.HTM to the required information, including, but not limited to, references to the following:

- A common source of interconnection wide curtailment and interruption information, such as the NERC Transmission Loading Relief (TLR) web site.

- Information related to the Transmission Provider's methodology for computing and application of Capacity Benefit Margin (CBM) and Transmission Reliability Margin (TRM). If the Transmission Provider does not use CBM or TRM in their assessment of Available Transmission Capability (ATC), that information shall also be in INFO.HTM.

- The location of the list of system studies conducted.

- Information on requesting the text file of the tariffs and service agreements.

For the purposes of this section, any link to required informational postings that can be accessed from INFO.HTM would be considered to have met the OASIS posting requirements, provided that the linked information meets all other OASIS accessibility requirements.

002-4.5.2 INFORMATION UNDER STANDARDS OF CONDUCT LINK

The Transmission Provider shall establish a link entitled “Standards of Conduct,” located on the OASIS home page at the Transmission Provider’s registered URL address.

The following types of information, as found in Standards of Conduct for Transmission Providers, Order 2004, 105 FERC ¶61,248 (2003);*order on reh'g,* Order 2004-A, 107 FERC ¶61,032; *order on reh'g*, Order 2004-B, 108 FERC ¶61,118 (2004); *order on reh'g,* Order 2004-C, 109 FERC ¶61,325; *order on reh'g*, Order 2004-D, 110 FERC ¶61,320, and 18 CFR §358 should be accessible from the Standards of Conduct link.

Emergency Circumstances Deviations (§358.4(a)(2))

Marketing and Energy Affiliate List (§358.4(b)(1))

Shared Facilities (§358.4(b)(2))

Organizational Charts and Job Descriptions (§358.4(b)(3)(i))

Common Employees (§358.4(b)(3)(iii))

Potential Merger Partners (§358.4(b)(3)(v))

Transfers[1] (§358.4(c))

Information Disclosure[2] (§358.5(b) (3))

Voluntary Consent to Share Non-Affiliated Customer Information (§358.5(b)(4))

Discretionary Actions under Tariff [3] (§358.5(c)(4))

Discounts[4] (§358.5(d))

Chief Compliance Officer (§358.4(e)(6))

Written Procedures for Implementation (§358.4 (e)(3))

These items shall appear in the order specified above and before any other items which may be required as per specific FERC direction or local business practice. Posting of the cites noted in the parentheses is optional. Access to some of the information found under the Standards of Conduct link above may require the user to register with the individual OASIS sites according to WEQ 002-3.1

002-5 PERFORMANCE REQUIREMENTS

A critical aspect of any system is its performance. Performance encompasses many issues, such as security, sizing, response to user requests, availability,

1 According to WEQ 002-4.3.10.4 a template is required for this item.
2 According to WEQ 002-4.3.10.6 a template is required for this item.
3 According to WEQ 002-4.3.10.5 a template is required for this item.
4 According to WEQ 002-4.3.2.1 a template is required for this item.

backup, and other parameters that are critical for the system to function as desired. The following sections cover the performance requirements for the OASIS Nodes.

002-5.1 SECURITY

Breaches of security include many inadvertent or possibly even planned actions. Therefore, several requirements shall be implemented by the TSIPs to avoid these problems:

a. **Provider Update of TS Information:** Only Providers, including Secondary Providers, shall be permitted to update their own TS Information.

b. **Customer Input Only ASCII Text:** TSIPs shall be permitted to require that inputs from Customers shall be filtered to permit only strict ASCII text (strip bit 8 from each byte).

c. **Provider Updating Over Public Facilities:** If public facilities are involved in the connection between a Provider and the OASIS Node, the Provider shall be able to update his TS Information only through the use of ASCII or through encrypted files.

d. **User Registration and Login:** All Users shall be required to register and login to a Provider's Account before accessing that Provider's TS Information.

e. **User Passwords:** All Users shall enter their personal password when they wish access to TS Information beyond the lowest Access Privilege.

f. **Service Request Transactions:** Whenever Service Request transactions are implemented entirely over OASIS Nodes, both an individual Customer password for the request, and an individual Provider password for the notification of acceptance shall be required.

g. **Data Encryption:** Sophisticated data encryption techniques and the "secure id" mechanisms being used on the public Internet shall be used to transfer sensitive data across the Internet and directly between OASIS Nodes.

h. **Viruses:** Since only data is being transmitted between the OASIS Nodes and the Users, viruses are unlikely to be passed between them. Therefore, TSIPs shall be responsible for ensuring that the OASIS Nodes are free from viruses, but need not screen data exchanges with Users for viruses.

i. **Performance Log:** TSIPs shall keep a log on User usage of OASIS resources.

j. **Disconnection:** TSIPs shall be allowed to disconnect any User who is degrading the performance of the OASIS Node through the excessive use of resources, beyond what is permitted in their Service Level Agreement.

k. **Premature Access:** The TSIP log shall also be used to ensure that Users who are affiliated with the Provider's company (or any other User) do not have access to TS information before it is publicly available.

l. **Firewalls:** TSIPs shall employ security measures such as firewalls to minimize the possibility that unauthorized users shall access or modify TS Information or reach into Provider or User systems. Interfaces through Public Data Networks or the Internet shall be permitted as long as these security requirements are met.

m. **Certificates and Public Key Standards (optional):** Use of alternative forms of login and authentication using certificates and public key standards is acceptable.

002-5.2 ACCESS PRIVILEGES

Users shall be assigned different Access Privileges based on external agreements between the User and the Provider. These Access Privileges are associated with individual Users rather than just a company, to ensure that only authorized Users within a company have the appropriate access.

The following Access Privileges shall be available as a minimum:

a. **Access Privilege Read-Only:** The User may only read publicly available TS Information.

b. **Access Privilege for Transactions:** The Customer is authorized to transact Service Requests.

c. **Access Privilege Read/Write:** A Secondary Provider shall have write access to his own Provider Account on an OASIS Node.

002-5.3 OASIS RESPONSE TIME REQUIREMENTS

002-5.3.1 TSIPs can only be responsible for the response capabilities of two portions of the Internet-based OASIS network:

- The adequacy of the TSIP's internet interconnection(s) for reasonable high-volume utilization
- The response capabilities of the OASIS Node functions to process interactions with Users

002-5.3.2 Measurement Criteria for Internet Connections

An OASIS node's Internet connection(s) should not exceed 60% sustained utilization. To determine the sustained utilization, TSIPs shall retain usage records and logs related to the Internet service.

002-5.3.3 Measurement Criteria for OASIS Node functions

It is required that OASIS query functions meet or exceed the response times listed below during the normal conduct of business.

Template or GUI equivalent	Average Response not fewer than:	90% of Responses not fewer than:
transstatus	100 rows/minute	10 rows/minute

transoffering	500 rows/minute	100 rows/minute

It should be recognized that during periods of minimal interactivity there might be heavier loading due to automated processes gathering larger volumes of data or due to OASIS node housekeeping services. The offloading of such discretionary demand should not be discouraged if it serves to make the OASIS more responsive during primary periods of customer activity.

To assess whether these performance capabilities are obtainable, an OASIS application shall collect and log pertinent statistics on an hourly basis about each invocation of the primary types of data queries on the Templates ***transstatus*** and ***transofferring***. Statistics logged shall be the number of invocations per type of template, the service processing time to retrieve the information, format of the responses, and effective template data row count.

002-5.4 OASIS PROVIDER ACCOUNT AVAILABILITY

The following are the OASIS Provider Account availability requirements:

a. OASIS Provider Account Availability: The availability of each OASIS Provider account on an OASIS Node shall be at least **98.0%** (downtime of about 7 days per year).

Availability is defined as:

$$\%\ \text{Availability} = \frac{(1 - \text{Cumulative Provider Account Downtime})}{\text{Total Time}} * 100$$

A Provider account shall be considered to be down, and downtime shall be accumulated, upon occurrence of any of the following:

1. One or more Users cannot link and log on to the Provider account. The downtime accumulated shall be calculated as:

   Σ **for affected Users of 1/n * (Login Time)**, which is the time used by each affected User to try to link and log on to the Provider account, and where "n" is the total number of Users actively registered for that Provider account.

2. One or more Users cannot access TS Information once they have logged on to a Provider account. The downtime accumulated shall be calculated as:

   Σ **for affected Users of 1/n * (Access Time)**, which is the time used by each affected User to try to access data, and where "n" is the total number of Users actively registered for that Provider.

3. A **five (5) minute** penalty shall be added to the cumulative downtime for every time a User loses their connection to a Provider's account due to an OASIS Node momentary failure or problem.

002-5.5 BACKUP AND RECOVERY

The following backup and recovery requirements shall be met:

a. **Normal Backup of TS Information:** Backup of TS Information and equipment shall be provided within the OASIS Nodes so that no data or transaction logs are lost or become inaccessible by Users due to any single point of failure. Backed up data shall be no older than **30 seconds**. Single points of failure include the loss of one:

- Disk drive or other storage device
- Processor
- Inter-processor communications (e.g. LAN)
- Inter-OASIS communications
- Software application
- Database
- Communication ports for access by Users
- Any other single item which affects the access of TS Information by Users

b. **Spurious Failure Recovery Time:** After a spurious failure situation, all affected Users shall regain access to all TS Information **within 30 minutes**. A spurious failure is a temporary loss of services which can be overcome by rebooting a system or restarting a program. Permanent loss of any physical component is considered a catastrophic failure.

c. **Long-Term Backup:** Permanent loss of critical data due to a catastrophic failure shall be minimized through off-line storage on a **daily basis** and through off-site data storage on a **periodic basis**.

d. **Catastrophic Failure Recovery:** Recovery from a catastrophic failure or loss of an OASIS Node may be provided through the use of alternate OASIS Nodes which meet the same availability and response time requirements. TSIPs may set up prior agreements with other TSIPs as to which Nodes will act as backups to which other Nodes, and what procedure will be used to undertake the recovery. Recovery from a catastrophic failure shall be designed to be achieved **within 24 hours**.

002-5.6 TIME SYNCHRONIZATION

The following are the time requirements:

a. **Time Synchronization**: Time shall be synchronized on OASIS Nodes such that all time stamps will be accurate to within "0.5 second of official time. This synchronization may be handled over the network using NTP, or may be synchronized locally using time standard signals (e.g. WWVB, GPS equipment).

b. **Network Time Protocol (NTP)**: OASIS Nodes shall support the Internet tool for time synchronization, Network Time Protocol (NTP), which is described in RFC-1305, version 3, so that Users shall be able to request the display and the

downloading of current time on an OASIS Node for purposes of user applications which might be sensitive to OASIS time.

002-5.7 TS INFORMATION TIMING REQUIREMENTS

The TS Information timing requirements are as follows, except they are waived during emergencies.

a. TS Information Availability: The most recent Provider TS information shall be available on the OASIS Node within 5 minutes of its required posting time at least 98% of the time. The remaining 2% of the time the TS Information shall be available within 10 minutes of its scheduled posting time.

b. **Notification of Posted or Changed TS Information**: Notification of TS Information posted or changed by a Provider shall be made available within 60 seconds to the log. S&CP Version

c. **Acknowledgment by the TSIP**: Acknowledgment by the TSIP of the receipt of User Purchase requests shall occur within 1 minute. The actual negotiations and agreements on Purchase requests do not have time constraints.

002-5.8 TS INFORMATION ACCURACY

The following requirements relate to the accuracy of the TS information:

a. **TS Information Reasonability**: TS information posted and updated by the Provider shall be validated for reasonability and consistency through the use of limit checks and other validation methods.

b. **TS Information Accuracy**: Although precise measures of accuracy are difficult to establish, Providers shall use their best efforts to provide accurate information.

002-5.9 PERFORMANCE AUDITING

The following are the performance auditing requirements:

a. **User Help Desk Support**: TSIPs shall provide a "Help Desk" that is available at least during normal business hours (local time zone) and normal work days.

b. **Monitoring Performance Parameters**: TSIPs shall use their best efforts to monitor performance parameters. Any User shall be able to read or download these performance statistics.

002-5.10 MIGRATION REQUIREMENTS

Whenever a new version of the S&CP is to be implemented, a migration plan will be developed for cutting over to the new version.

003-0 OASIS DATA DICTIONARY Version 1.4				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
AFFILIATE_FLAG	AFFLAG	2{ALPHANUMERIC}3	Valid Values YES NO	Set to YES if customer is an affiliate of the provider
ANC_SERVICE_POINT	ANCPOINT	0{ALPHANUMERIC}12	Free form text[1], null can be used if there is no ancillary service point other than the control area	Name of ancillary service point within a control area, such as a POR/POD/SOURCE/SINK from which the ancillary service is provided
AS_TYPE	ASTYPE	1{ALPHANUMERIC}20	Valid ~~types~~Values SC RV RF ~~-~~EI ~~-~~SP ~~-~~~~SU~~ ~~-~~~~RV~~ ~~-~~~~RF~~ ~~-~~S~~C~~U ~~-~~DT ~~-~~TL ~~-~~BS ~~-~~{Registered}	SC- Scheduling, system Control and Dispatch RV - Reactive supply and Voltage Control RF- Regulation and Frequency response EI - Energy Imbalance SP - Spinning Reserve SU - Supplemental Reserve ~~RV - Reactive supply and Voltage Control~~ ~~RF- Regulation and Frequency response~~ ~~SC- Scheduling, system Control and Dispatch~~ DT - Dynamic Transfer TL - Real power Transmission Loss BS - System Black Start capability {Registered} must be registered with www.tsin.com and listed in the ANCSERV Template
ANC_SVC_LINK	ANCSVCLINK	0{ALPHANUMERIC}300	Formatted string as follows: SC:(AA[:xxx[:yyy[:nnn]]]); RV:(AA[:xxx[:yyy[:nnn]]]); RF:(AA[:xxx[:yyy[:nnn]]]); EI:(AA[:xxx[:yyy[:nnn]]]); SP:(AA[:xxx[:yyy[:nnn]]]); SU:(AA[:xxx[:yyy[:nnn]]]);	The method for linking ancillary services to a transmission service request. The provider and capacity of each ancillary service is identified using the formatted string: SC:(AA[:xxx[:yyy[:nnn]]]); RV:(AA[:xxx[:yyy[:nnn]]]); RF:(AA[:xxx[:yyy[:nnn]]]); EI:(AA[:xxx[:yyy[:nnn]]]); SP:(AA[:xxx[:yyy[:nnn]]]); SU:(AA[:xxx[:yyy[:nnn]]]); DT:(AA[:xxx[:yyy[:nnn]]]); TL:(AA[:xxx[:yyy[:nnn]]]);

[1] For all Data Elements indicated as being free form text, the Field Format designation of ALPHANUMERIC shall represent any valid printable character in the ASCII character set.

003-0 OASIS DATA DICTIONARY Version 1.4				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
			DT:(AA[:xxx[:yyy[:nnn]]]); TL:(AA[:xxx[:yyy[:nnn]]]); BS:(AA[:xxx[:yyy[:nnn]]]); {Registered}:(AA[:xxx[:yyy[:nnn]]])	BS:(AA[:xxx[:yyy[:nnn]]]); {Registered}:(AA[:xxx[:yyy[:nnn]]]) where AA is the appropriate PRIMARY_PROVIDER_CODE, SELLER_CODE, or CUSTOMER_CODE, and represents the company providing the ancillary services. "AA" may be unspecified for "xxx" type identical to "FT", in which case the ":" character must be present and precede the "FT" type. If multiple "AA" terms are necessary, then each "AA" grouping will be enclosed within parenthesis, with the overall group subordinate to the AS_TYPE specified within parenthesis and where xxx represents either: - "FT" to indicate that the Customer will determine ancillary services at a future time, or
ANC_SVC_LINK (cont.)				- "SP" to indicate that the Customer will self-provide the ancillary services, or - "RQ" to indicate that the Customer is asking the OASIS Node to initiate the process for making an ancillary services reservation with the indicated Provider or Seller on behalf of the Customer. The Customer must then continue the reservation process with the Provider or Seller. If the transmission services request is for preconfirmed service, then the ancillary services shall also be preconfirmed, or - "AR" to indicate an assignment reference number sequence follows.The terms "yyy" and "nnn" are subordinate to the xxx type of "AR". yyy represents the ancillary services reservation number (ASSIGNMENT_REF) and nnn represents the capacity of the

003-0 OASIS DATA DICTIONARY Version 1.4				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				reserved ancillary services. Square brackets are used to indicated optional elements and are not used in the actual linkage itself. Specifically, the :yyy is applicable to only the "AR" term and the :nnn may optionally be left off if the capacity of ancillary services is the same as for the transmission services, and optionally multiple ancillary reservations may be indicated by additional (xxx[:yyy[:nnn]]) enclosed within parenthesis. If no capacity amount is indicated, the required capacity is assumed to come from the ancillary reservations in the order indicated in the codes, on an "as-needed" basis.
ANC_SVC_REQ	ANCSVCREQ	0{ALPHANUMERIC}100	EI:{M,R,O,U}; SP:{M,R,O,U}; SU:{M,R,O,U}; RV:{M,R,O,U}; RF:{M,R,O,U}; SC:{M,R,O,U}; {registered}:{M,R,O,U }	Ancillary services required for a transmission services offering. The appropriate letter {M,R,O,U} will be assigned to each of the six Proforma FERC ancillary services (see AS_TYPE), where the letters mean the following: · (M) Mandatory, which implies that the Primary Provider must provide the ancillary service · (R) Required, which implies that the ancillary service is required, but not necessarily from the Primary Provider · (O) Optional, which implies that the ancillary service is not necessarily required, but could be provided · (U) Unknown, which implies that the requirements for the ancillary service are not known at this time
ASSIGNMENT_REF	AREF	1{ALPHANUMERIC}12	Unique value	A unique reference number assigned by a

003-0 OASIS DATA DICTIONARY Version 1.4				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				Transmission Information Provider to provide a unique record for each transmission or ancillary service request. A single transmission or ancillary service request will be over a contiguous time period, i.e. from a START_TIME to an STOP_TIME.
ATTRIBUTE_UNITS	ATTRUNITS	1{ALPHANUMERIC}20	Free form text	System data attribute units
ATTRIBUTE_VALUE	ATTRVALUE	1{NUMERIC}12	Real number	System data attribute value
BID_PRICE	BIDPR	1{NUMERIC}5 + "." + 2{NUMERIC}4	Positive number with 2 to 4 decimals	The current bid price of a Service in dollars and cents. Used by Customers to designate a price being bid.
CAPACITY	CAP	0{NUMERIC}12	Number in units of MW	Transfer capability is the measure of the ability of the interconnected electric system to readily move or transfer power from one area to another over all transmission lines (or paths) between those areas under specified system conditions. In this context "area" may be an individual electric system, powerpool, control area, subregion, or NERC region or portion thereof.
CAPACITY_AVAILABLE	CAPAVAIL	0{NUMERIC}12	Non-negative number in units of MW	Amount of transmission capacity available after all the reductions are applied to CAPACITY_GRANTED over the time interval
CAPACITY_CURTAILED	CAPCUR	1{NUMERIC}12	Non-negative number in units of MW	The amount of transfer capability curtailed by the Primary provider for emergency reasons.
CAPACITY_GRANTED	CAPGRNT	0{NUMERIC}12	Non-negative number in units of MW	The amount of capacity granted by the seller equal to or less than CAPACITY_REQUESTED by the TC.
CAPACITY_REDUCED	CAPREDU	0{NUMERIC}12	Negative number in units of MW	Amount of transmission capacity reduced
CAPACITY_REQUESTED	CAPREQ	0{NUMERIC}12	Non-negative number in units of MW	Transmission capacity requested by the Transmission Customer (TC)
CAPACITY_USED	CAPUSED	0{NUMERIC}12	Non-negative number in units of MW	~~CAPACITY_USED r~~Reflects the peak MW amount of the reservation used to support the scheduled

003-0 OASIS DATA DICTIONARY Version 1.4				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				transaction
CATEGORY	CAT	0{ALPHANUMERIC}25	Valid name from CATEGORY in LIST Template	A name to be used to categorize messages. Valid names would include: *, Want-Ad, Curtailment, Outage, OASIS_Maintenance_Outage*
CEILING_PRICE	CEILPR	1{NUMERIC}5 + "." + 2{NUMERIC}4	Positive number with 2 to 4 decimals	Ceiling price of the Service as entered by the Transmission Provider.
COLUMN_HEADERS	HEADERS	1{ALPHANUMERIC} Limited to all the elements names in one Template	Headers ~~surrounded with " " and~~ separated by commas. Limited to valid Template element names. Must use full element name and not alias.	Example: COLUMN_HEADERS=APATH_NAME","POINT_OF_RECEIPT","POINT_OF_DELIVERY","SOURCE","SINK"
COMPETING_REQUEST_FLAG	COMPREQ	1{ALPHANUMERIC}1	Valid Values "Y" ~~or "~~ N"	If "Y", indicates there is one or more competing requests for this reservation. The competing request AREFs are listed in the SELLER_COMMENTS
CONTINUATION_FLAG	CONT	1{ALPHANUMERIC}1	Valid Values "Y" ~~or "~~ N"	Indicates whether or not this record is a continuation from the previous record
CONTROL_AREA	AREA	1{ALPHANUMERIC}20	Valid name of a control area	A part of the power system with metered tie lines and capable of matching generation and load while meeting scheduled interchange. Location of Ancillary Services is my CONTROL_AREA.
CURTAILMENT_OPTIONS	CUROPT	0{ALPHANUMERIC}80	Free form text	Customer options, if any, to avoid curtailment
CUSTOMER_CODE	CUST	1{ALPHANUMERIC}6	Unique value, registered on TSIN.COM	Any entity (or its designated agent) that is eligible to view OASIS information, to execute a service agreement, and/or to receive transmission service.
CUSTOMER_COMMENTS	CUSTCOM	0{ALPHANUMERIC}255	Free form text	Informative text. For information to be communicated between the customer and seller.
CUSTOMER_DUNS	CUSTDUNS	9{NUMERIC}9	Unique DUNS number	Unique DUNS number for a Customer
CUSTOMER_EMAIL	CUSTEMAIL	1{ALPHANUMERIC}25	Valid Internet E-Mail address	Internet E-Mail address of Customer contact person
CUSTOMER_FAX	CUSTFAX	14{ALPHANUMERIC}20	Area code and telephone	FAX phone number of Customer contact person

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
			number, plus any extensions (aaa)-nnn-nnnn xnnnn	
CUSTOMER_NAME	CUSTNAME	1{ALPHANUMERIC}25	Free form text	Name of Customer contact person
CUSTOMER_PHONE	CUSTPHON	14{ALPHANUMERIC}20	Area code and telephone number, plus any extensions (aaa)-nnn-nnnn xnnnn	Telephone of Customer contact person
DATA_ROWS	ROWS	1{NUMERIC}unlimited	Positive Number	Number of records (rows) of data exclusive of header information that are to be uploaded or downloaded in a file.
DATE_TIME_EFFECTIVE	TIMEEFCT	16{ALPHANUMERIC}16	Valid date and time in seconds yyyy+mo+dd+hh +mm+ss+tz	Date and time a message or service offer is in effect
DEAL_REF	DREF	0{ALPHANUMERIC}12	Unique value, Assigned by Customer	The unique reference assigned by a Customer to two or more service purchases to identify each of them as related to others in the same power service deal. These requests may be related to each other in time sequence through a single Provider, or as a series of wheels through multiple Providers, or a combination of both time and wheels. The User uses the DEAL_REF to uniquely identify a combination of requests relating to a particular deal.
DISCRETION_DESCRIPTION	DISCDESC	0{ALPHANUMERIC}1000	Free form text	A detailed description of the discretion being reported
ELEMENT_NAME	ELEMENT	1{ALPHANUMERIC}40	Valid Template element name	Template element name as indicated in data dictionary
EMPLOYEE_NAME	EMPNAME	1{ALPHANUMERIC}25	Free form text	Name of person who is transferring from one position to another
ERROR_MESSAGE	ERROR	1{ALPHANUMERIC}250	Free form text	Error message related to a RECORD_STATUS or REQUEST_STATUS
EVENT_ID	EVENTID	0{ALPHANUMERIC}25	Free form text	The EVENT_ID Data Element is any regional or

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				interconnection-wide recognized security event identifier for events that are of greater scope than those administered locally by the Provider (e.g., a NERC Security Coordinator assigned identifier corresponding to a particular implementation of the NERC TLR procedure).
FACILITY_CLASS	FACLASS	0{ALPHANUMERIC}25	Free form text, for example: TRANSFORMER, LINE, FLOWGATE Or as defined in the LIST Template	Type of limiting device such as 'transformer', 'line' or 'flowgate'
FACILITY_LIMIT_TYPE	FACLIMTYP	0{ALPHANUMERIC}25	thermal, stability, voltage or defined in LIST Template	For example: thermal, stability, voltage
FACILITY_LOCATION	FACLOC	0{ALPHANUMERIC}8	Free form text, for example: INTERNAL EXTERNAL Or as defined in the LIST Template	Location of facility that caused the interruption, either internal to the TP or external to the TP grid
FACILITY_NAME	FACNAME	0{ALPHANUMERIC}100	Free form text	Name of facility, such as name of path or name of flowgate
FORMER_COMPANY	FORMCO	1{ALPHANUMERIC}25	Free form text	Former company of the person who is transferring
FORMER_DEPARTMENT	FORMDEPT	1{ALPHANUMERIC}52	Free form text	Former department of the person who is transferring
FORMER_POSITION	FORMPOS	1{ALPHANUMERIC}25	Free form text	Former position held by the person who is transferring
GCA_CODE	GCA	1{ALPHANUMERIC}4	Registered control area company code	Generator Control Area Code. Information from Tag
IMPACTED	IMPACTED	0{NUMERIC}4	Number	Indicates whether the reservation has been impacted by another reservation. For an original reservation this counter is 0. This counter is

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				incremented by 1 ~~-~~by TSIP on the parent request when its ASSIGNMENT_REF is entered in any other reservation's REASSIGNED_REF or RELATED_REF or in entered in any reduction.
IMPACTING_REF	IMPACTRE F	0{ALPHANUMERIC}12	Unique reference	~~IMPACTING_REF r~~References the ASSIGNMENT_REF of the associated transmission reservation (if applicable) that caused the reduction in capacity
INITIATING_PARTY	INITPARTY	0{ALPHANUMERIC}4	Registered company code for a Transmission Provider (TP), Security Coordinator (SC) or Control Area (CA)	Company code for company responsible for initiating execution of a transmission security procedure.
INTERFACE_TYPE	INTERFACE	0{ALPHANUMERIC}1	Valid Values I~~,~~ E	Type of interface define by path: Internal (I) to a control area or External (E) to a control area
LCA_CODE	LCACODE	0{ALPHANUMERIC}4	Valid registered control area code	Load Control Area registered code. Information comes from tag
LIST_ITEM	ITEM	1{ALPHANUMERIC}50	Free form text	Item from LIST, such as list of SELLER, list of PATH_NAME, list of POINT_OF_RECEIPT, list of POINT_OF_DELIVERY, list of SERVICE_INCREMENT, list of TS_CLASS, list of TS_TYPE, list of TS_PERIOD, list of TS_WINDOW, list of TS_SUBCLASS, list of AS_TYPE, list of REQUEST_TYPE, list of ANC_SERVICE_POINT, list of FACILITY_CLASS, list of FACILITY_LIMIT_TYPE, list of PROCEDURE_NAME, list of SYSTEM_ATTIBUTE, list of SECURITY_TYPE, list of FACILITY_LOCATION, list of NERC_CURTAILMENT_PRIORITY, list of OTHER_CURTAILMENT_PRIORITY, list of CATEGORY, list of TEMPLATE, list of LIST
LIST_ITEM_DESCRIPTI	ITEMDESC	0{ALPHANUMERIC}100	Free form text	A detailed description of the LIST_ITEM

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
ON				
LIST_NAME	LIST	1{ALPHANUMERIC}50	Valid Values LIST, SELLER, PATH, POR, POD, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_SUBCLASS, AS_TYPE, NERC_CURTAILMENT_PRIORITY, REQUEST_TYPE, ANC_SERVICE_POINT, FACILITY_CLASS, FACILITY_LIMIT_TYPE, PROCEDURE_NAME, SYSTEM_ATTRIBUTE, SECURITY_TYPE, FACILITY_LOCATION, OTHER_CURTAILMENT_PRIORITY, CATEGORY, TEMPLATE	List of valid names for each of the types of lists. The minimum set of lists defined must be implemented.
MESSAGE	MSG	1{ALPHANUMERIC}200	Free form text	An informative text message
MODIFYING_COMPANY_CODE	MODCODE	1{ALPHANUMERIC}6	Registered company code for a TP, SC or CA	Contains the registered company code that modified the transaction, used in the audit Templates
MODIFYING_NAME	MODNAME	0{ALPHANUMERIC}25	free form text	Contain the name of the person that modified the transaction, used in the audit Templates
MODIFICATION_REF	MODREF	1{ALPHANUMERIC}12	Valid ASSIGNMENT_REF	Forward pointer. Pointing to next reservation that

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				replaces the current reservation
NEGOTIATED_PRICE_FLAG	NGPRIFLG	0{ALPHANUMERIC}1	Valid Values H~~,~~ L~~, or~~ ~~blank~~null	Set to H if OFFER_PRICE is higher than the currently posted price; ~~s~~Set to L if OFFER_PRICE is lower than the currently posted price
NERC_CURTAILMENT_PRIORITY	NERCURT	1{INTEGER}1	Integer	One of the NERC curtailment priorities, documented in LIST Template
NEW_COMPANY	NEWCO	1{ALPHANUMERIC}25	Free form text	New company of the person who is transferring
NEW_DEPARTMENT	NEWDEPT	1{ALPHANUMERIC}52	Free form text	New department of the person who is transferring
NEW_POSITION	NEWPOS	1{ALPHANUMERIC}25	Free form text	New position held by the person who is transferring
OFFER_PRICE	OFFPR	1{NUMERIC}5 + "." + 2{NUMERIC}4	Positive number with 2 to 4 decimals	The current offered price of a Service in dollars and cents. Used by the Seller to indicate the offering price.
OFFER_START_TIME	OFFSTIME	0,16{ALPHANUMERIC}16	Valid Date and Time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Start time of the window ~~-~~during which a Customer may request a discounted offer. If null, no restrictions on the start of the offering time is implied (other than tariff requirements).
OFFER_STOP_TIME	OFFSPTIME	0,16{ALPHANUMERIC}16	Valid Date and Time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Stop time of the window ~~-~~during which a Customer may request a discounted offer. (Expiration time of an offer). If null, no restrictions on the end of the offering time is implied (other than tariff requirements).
OPTIONAL_CODE	N/A	0{ALPHANUMERIC}25	Unique path name within region	~~OPTIONAL_CODE - 25 chars, u~~Unique for Path. If used for directionality, then the first 12 characters shall represent POR, followed by "-", followed by 12 characters which shall represent POD. Used by PATH_NAME.
OTHER_CURTAILMENT_PRIORITY	OTHCUR	0{ALPHANUMERIC}8	Valid Values: {Registered}	Other than NERC curtailment priorities, such as regional curtailment priorities. Suggested format region+number, for example MAPP4, ~~WSCC~~WECC7. Documented in LIST Template and registered with central registry.
OUTPUT_FORMAT	FMT	4{ALPHANUMERIC}4	Valid Values	Format of response:

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
			HTML~~,~~ DATA	HTML = ~~-~~hypertext markup language for presentation using a web browser DATA = ~~-~~text for use in a downloaded file.
PATH_CODE	N/A	0{ALPHANUMERIC}12	Unique code for each path as defined by primary provider	Unique code within a Region for each path. Used by PATH_NAME
PATH_NAME	PATH	5{ALPHANUMERIC}50	Unique value	The unique name assigned to a single transmission line or the set of one or more parallel transmission lines whose power transfer capabilities are strongly interrelated and must be determined in aggregate. These lines are typically described as being on a path, corridor or interconnection in some regions, or as crossing an interface or cut-plane in other regions. Multiple lines may be owned by different parties and require prorating of capability shares. The name is constructed from the following codes, with each code separated by a "/". Trailing "/" may be omitted, if there are no values for OPTION_CODE and SPARE_CODE: REGION_CODE - 2 chars, unique to OASIS System PRIMARY_PROVIDER_CODE - 4 chars, unique within Region PATH_CODE - 12 chars, unique for Primary Provider OPTIONAL_CODE - 25 chars, unique for Path. If used for directionality, then the first 12 characters shall represent POR, followed by "-", followed by 12 characters which shall represent POD SPARE_CODE - 3 chars.
POINT_OF_DELIVER Y	POD	1{ALPHANUMERIC}12, Only non-numeric and non-alpha character	Unique value within Primary Provider. Only special character allowed	~~Point of Delivery is o~~One or more point(s)~~-~~ of interconnection on the Transmission Provider's transmission system where capacity and/or energy

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
		allowed is ".".	is ".", for example, ab.cde.123	transmitted by the Transmission Provider will be made available to the Receiving Party. This is used along with Point of Receipt to define a Path and direction of flow on that path. For internal paths, this would be a specific location(s) in the area. For an external path, ~~-~~this may be an area-to-area interface.
POINT_OF_RECEIPT	POR	1{ALPHANUMERIC}12 Only non-numeric and non-alpha character allowed is ".".	Unique value within Primary Provider. Only special character allowed is ".", for example, ab.cde.123	~~Point of Receipt is o~~One or more point(s) of interconnection on the Transmission Provider's transmission system where capacity and/or energy transmitted will be made available to the Transmission Provider by the Delivering Party. This is used along with Point of Delivery to define a Path and direction of flow on that path. For internal paths, this would be a specific location(s) in the area. For an external path, ~~-~~this may be an area-to-area interface.
POSTING_NAME	POSTNAME	1{ALPHANUMERIC}25	Free form text	Name of person who is posting the information on the OASIS Node
POSTING_REF	POSTREF	1{ALPHANUMERIC}12	Unique Value	Assigned by TSIP when Service or Message is received by TSIP. Unique reference can be used by the user to modify or delete the posting.
PRECONFIRMED	PRECONF	2{ALPHA}3	Valid Values YES ~~or~~ NO	Used by Customer to preconfirm sale in Template TRANSREQUEST or ANCREQUEST. If customer indicates sale is preconfirmed, then the response is YES and the customer does not need to confirm the sale.
PRICE_UNITS	UNITS	0(ALPHA)20	Free form text	The units used for CEILING_PRICE, OFFER_PRICE, and BID_PRICE. Examples: $/MWhr, $/MWmonth
PRIMARY_PROVIDER_ CODE	PROVIDER	1{ALPHANUMERIC}4	Unique code	Unique code for each Primary Provider. Used by PATH_NAME and in URL. Registered as part of URL at www.tsin.com.
PRIMARY_PROVIDER_	PPROVCOM	0{ALPHANUMERIC}255	~~Free-form~~Free form text	Informative text. Usually entered by the Primary

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
COMMENTS				Provider through a back end system. For information communicated between primary transmission provider and all other parties.
PRIMARY_PROVIDER_DUNS	PPROVDUNS	9{NUMERIC}9	Valid DUNS number	Unique code for each Primary. Provided by Dun and Bradstreet.
PROCEDURE_NAME	PROCNAM E	0{ALPHANUMERIC}25	Valid ~~Names~~Values: NERC TLR ~~WSCC~~ WECC USF {Registered}	Name of a transmission security procedure: - NERC TLR as defined in NERC Policy 9 - ~~WSCC~~ WECC USF as defined in ~~WSCC~~WECC Policy - Local procedure as registered by Transmission Providers
PROCEDURE_LEVEL	PROCLVL	1{ALPHANUMERIC}25	Valid ~~Levels~~Values: (NERC TLR Levels} {~~WSCC~~WECC USF Levels} {Registered}	Levels or stages associated with actions to be taken in implementation of a transmission security procedure as defined in: - NERC Policy 9 for the NERC TLR procedure - ~~WSCC~~WECC Policy for the ~~WSCC~~WECC USF procedure - Local procedures as registered by Transmission Providers
PROVIDER_ACTION	PROVACT	1{ALPHANUMERIC}25	Free form text, for example: DENIED CURTAILED INTERRUPTED	~~PROVIDER_ACTION i~~Indicates the particular action taken by the Transmission Provider with respect to the scheduled transaction; specific values to be returned are, DENIED if the schedule was not started as requested, CURTAILED if the scheduled MW was limited for reliability reasons, or INTERRUPTED if the scheduled MW was limited for economic reasons.
REASSIGNED_CAPACITY	RASCAP	1{NUMERIC}12	Positive number, cannot exceed previous assigned capacity	The amount of transfer capability that was reassigned from one entity to another.
REASSIGNED_REF	REREF	1{ALPHANUMERIC}12	Unique value	~~REASSIGNED_REF c~~Contains the ASSIGNMENT_REF of any preceding (parent)

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				requests that are affected by this request. Used only for secondary market sales.
REASSIGNED_START_TIME	RESSTIME	16{ALPHANUMERIC}16	Valid date and time to seconds: yyyy+mo+dd+hh+tz	Beginning date and time of the reassigned transmission service
REASSIGNED_STOP_TIME	RESSPTIME	16{ALPHANUMERIC}16	Valid date and time to hour: yyyy+mo+dd+hh+tz	Date and time of the end of the transmission service that is reassigned to another User.
RECORD_STATUS	RECSTATUS	1{NUMERIC}3	Error number	Record status indicating record was successful or error code if unsuccessful. 200 = Successful
RECORD_TYPE	RECTYPE	1{ALPHA}1	Valid ~~Types~~Values: I U D	Indicates the type of information reported in a response record generated by an audit Template. "I" designates information as it was initially inserted (posted) on OASIS; "U" designates information updated (modified) on OASIS; "D" designates deleted information as it appeared on OASIS just prior to being deleted (as appropriate).
REDUCTION_REASON	REDREAS	1{ALPHANUMERIC}50	Free form text	Reason for the reduction
REDUCTION_TYPE	REDTYPE	1{ALPHANUMERIC}25	Free form text	Type of reduction such as REDIRECT, INTERRUPTION, RESALE, DISPLACEMENT
REGION_CODE	N/A	1{ALPHANUMERIC}2	Unique within OASIS System	Defined for NERC regions, with the following defined: ~~E - ECAR~~ ~~I - MAIN~~ S - SERC T - ERCOT A - MAPP P - SPP ~~M - MAAC~~ N - NPCC W - ~~WSCC~~WECC F - FRCC R - RFC

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				Second character or digit reserved for sub-region id as defined by each region.
RELATED_REF	RELREF	1{ALPHANUMERIC}12	Unique reference	Contains the ASSIGNMENT_REF of any preceding (parent) requests that are affected by this request
REQUEST_REF	RREF	0{ALPHANUMERIC}12	Unique value	A reference uniquely assigned by a Customer to a request for service from a Provider.
REQUEST_STATUS	RSTATUS	1{NUMERIC}3	Error number	Message status indicating message was successful (if all RECORD_STATUS show success) or error code if any RECORD_STATUS showed unsuccessful. 200 = Successful
REQUEST_TYPE	REQTYPE	1{ALPHA}30	Valid ~~Types~~Values: ORIGINAL RESALE RENEWAL MATCHING DEFERRAL REDIRECT RELINQUISH {Registered}	ORIGINAL = typical reservation requests submitted to the Primary Provider (as the Seller of the transmission or ancillary service). RESALE = secondary market requests submitted to a Transmission Customer as Secondary Provider. RENEWAL = request to renew an expiring transmission reservation. MATCHING = request to meet or exceed a competing request to retain transmission service (right of first refusal). DEFERRAL = request to defer or apply for extension on start of transmission service. REDIRECT = request to redirect all or portion of a transmission reservation to an alternate POR/POD and/or make other changes to the terms of service as permitted. RELINQUISH = request to release all or a portion of the capacity of a Redirect on a Non-Firm basis to the Firm Parent Reservation. {registered} = Primary Provider's may register

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				values for REQUEST_TYPE to implement specific provisions of their Tariffs.
RESPONSE_TIME_LIMIT	RESPTL	16{ALPHANUMERIC}16	Valid date and time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Date and time to seconds by when a response must be received from a Customer
RESPONSIBLE_PARTY	PARTY	1{ALPHANUMERIC}4	Registered company code for a TP, SC or CA	The company code of the entity responsible for administering a transmission security procedure.
RESPONSIBLE_PARTY_NAME	PARTNAME	1{ALPHANUMERIC}25	Free form text	The name of the person responsible for granting the discretion.
RETURN_TZ	TZ	2{ALPHANUMERIC}2	Valid Values AD~~,~~ AS~~,~~ PD~~,~~ PS~~,~~ ED~~,~~ ES~~,~~ MD~~,~~ MS~~,~~ CD~~,~~ CS~~,~~ UT	A time zone code, indicating the base time zone, and whether daylight saving time is to be used. This field may be set by a Customer in a query. Returned date and time data is converted to this time zone. Time zones: Atlantic time = AD, AS Eastern time = ED, ES Central time = CD, CS Mountain time = MD, MS Pacific time = PD, PS Universal time = UT
SALE_REF	SREF	0{ALPHANUMERIC}12	Unique value	Identifier which is set by seller (including Primary Provider) when posting a service for sale
SCHEDULE_GRANTED	SCHEDGRNTED	0{NUMERIC}12	Non-negative number in units of MW	~~SCHEDULE_GRANTED r~~Reflects the MW value of energy actually scheduled by the Transmission Provider at either the point of receipt or delivery, whichever is larger, over the START_TIME/STOP_TIME time interval
SCHEDULE_LIMIT	SCHEDULELIM	0{NUMERIC}12	Non-negative number in units of MW	~~SCHEDULE_LIMIT r~~Reflects the **maximum** MW value over the START_TIME/STOP_TIME interval that the Provider has determined can be scheduled

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
SCHEDULE_PRIORITY	SPRIORITY	0{NUMERIC}2	Positive Number	~~SCHEDULE_PRIORITY i~~Identifies the relative priority of this particular interchange transaction as compared to all other scheduled transactions with respect to the application of curtailments or interruptions. SCHEDULE_PRIORITY would typically reflect the curtailment priority Data Elements associated with the OASIS transmission reservation used to support the schedule (i.e., NERC_CURTAILMENT_PRIORITY or OTHER_CURTAILMENT_PRIORITY).
SCHEDULE_REF	SCHDREF	0{ALPHANUMERIC}20	Unique reference	Unique reference assigned by Transmission Provider to a posting of a schedule information
SCHEDULE_REQUESTED	SCHEDULEREQ	0{NUMERIC}12	Non-negative number in units of MW	Scheduled energy requested by the Transmission Customer (TC)
SECURITY_REF	SECREF	1{ALPHANUMERIC}10	Unique value	Unique value generated by company initiating the security for each security event in the SECURITY Template.
SECURITY_TYPE	SECTYPE	1{ALPHANUMERIC}6	Valid Values: OUTAGE LIMIT	~~SECURITY_TYPE i~~Identifies the type of information posted for the event; restricted values are: OUTAGE = for postings reflecting the state of critical transmission facilities~~, and~~ LIMIT= for postings reflecting the implementation of security procedures to limit or reduce scheduled transactions.
SELLER_CODE	SELLER	1{ALPHANUMERIC}6	Unique value	Organization name of Primary Provider or Reseller.
SELLER_COMMENTS	SELCOM	0{ALPHANUMERIC}255	~~Free-form~~Free form text	Informative text provided by the Seller. For information communicated between the seller (either Primary Provider or reseller) to the customer of the services.
SELLER_DUNS	SELDUNS	9{NUMERIC}9	Valid DUNS number	Unique Data Universal Numbering System provided by Dun and Bradstreet. Code for a Primary Provider or Seller.

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
SELLER_EMAIL	SELEMAIL	5{ALPHANUMERIC}60	Valid network reference	E-Mail address of Seller contact person
SELLER_FAX	SELFAX	14{ALPHANUMERIC}20	Area code and telephone number, plus any extensions Example: (aaa)-nnn-nnnn xnnnn	The fax telephone number for contact person at Seller.
SELLER_NAME	SELNAME	1{ALPHANUMERIC}25	Free form text	The name of an individual contact person at the Seller.
SELLER_PHONE	SELPHONE	14{ALPHANUMERIC}20	Area code and telephone number, plus any extensions (aaa)-nnn-nnnn xnnnn	The telephone number of a contact person as a Seller
SELLER_REF	SELREF	0{ALPHANUMERIC}12	~~Free-form~~Free form text	Identifier which is set by seller (including Primary Provider) to uniquely identify reservation requests for seller's own internal use
SERVICE_DESCRIPTION	SVCDESC	0{ALPHANUMERIC}200	~~Free-form~~Free form text	Information regarding a service.
SERVICE_INCREMENT	SRVINCR	1{ALPHANUMERIC}8	Valid ~~increments~~Values ~~-~~HOURLY ~~-~~DAILY ~~-~~WEEKLY ~~-~~MONTHLY ~~-~~YEARLY ~~-~~{Registered}	The transmission service increments provided. Five are pre-defined, while additional increments can be used if they are registered on TSIN.COM and shown in the Provider's LIST Template
SERVICE_NAME	SVCNAME	1{ALPHANUMERIC}25	~~Free-form~~Free form text	Name of service affected by the discretionary action
SERVICE_TYPE	SVCTYPE	1{ALPHANUMERIC}25	~~Free-form~~Free form text	Type of service affected by the discretionary action.
SINK	SINK	0{ALPHANUMERIC}14	Valid area name	The area in which the SINK is located.
SOURCE	SOURCE	0{ALPHANUMERIC}14	Valid area name	The area in which the SOURCE is located.
SPARE_CODE	N/A	0{ALPHANUMERIC}3	Defined by region	Spare code to be used at a later time. Used by PATH_NAME
STANDARDS_OF_CONDUCT_ISSUES	STDISSUE	0{ALPHANUMERIC}800	~~Free-form~~Free form text	Issues that were in violation of the FERC Standards of Conduct. This text may include a

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Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				reference pointer to a more detailed description.
START_TIME	STIME	16{ALPHANUMERIC}16	Valid Date and Time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Start date and clock time of a service. When used as a Query Variable, it requires the return of all items whose Stop time is after the Start time. Note that for some Templates when used as a Query Variable the time may be only valid up to the hour, day or month. If more data is given than is valid, the hour, day or month will be used to make the date and time inclusive, i.e. date or time will be truncated to valid hour, day or month.
START_TIME_POSTED	STIMEP	16{ALPHANUMERIC}16	Valid Date and Time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Query parameter to indicate all the records are to be retrieved that were posted on or after this time.
START_TIME_QUEUED	STIMEQ	16{ALPHANUMERIC}16	Valid Date and Time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Start date and clock time of a service, used for requesting transactions queued after this time
STATUS	STATUS	5{ALPHANUMERIC}25	Valid ~~field~~ Values (QUEUED, INVALID, RECEIVED, STUDY, REBID, COUNTEROFFER, DECLINED, SUPERSEDED, ACCEPTED, REFUSED, CONFIRMED, WITHDRAWN, DISPLACED, ANNULLED, RETRACTED)	QUEUED = initial status assigned by TSIP on receipt of "customer services purchase request". INVALID = assigned by TSIP or Primary Provider indicating an invalid field in the request, such as improper POR, POD, source, sink, etc. (Final state). RECEIVED= assigned by Primary Provider or Seller to acknowledge QUEUED requests and indicate the service request is being evaluated, including for completing the required ancillary services. STUDY= assigned by Primary Provider or Seller to indicate some level of study is required or being performed to evaluate service request.

003-0 OASIS DATA DICTIONARY Version 1.4				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				REFUSED = assigned by Primary Provider or Seller to indicate service request has been denied due to lack of availability of transfer capability. (Final state).
STATUS (cont.)				COUNTEROFFER= assigned by Primary Provider or Seller to indicate that a new OFFER_PRICE is being proposed or that CAPACITY_GRANTED is less than CAPACITY_REQUESTED. REBID = assigned by Customer to indicate that a new BID_PRICE is being proposed. SUPERSEDED = assigned by Primary Provider or Seller when a request which has not yet been confirmed is preempted by another reservation request. (Final state). ACCEPTED = assigned by Primary Provider or Seller to indicate the service request at the designated OFFER_PRICE and CAPACITY_GRANTED has been approved/accepted. If the reservation request was submitted PRECONFIRMED and CAPACITY_GRANTED is equal to CAPACITY_REQUESTED, the OASIS Node shall immediately set the reservation status to CONFIRMED. Depending upon the type of ancillary services required, the Seller may or may not require all ancillary service reservations to be completed before accepting a request.
STATUS (cont.)				DECLINED = assigned by the Primary Provider or Seller to indicate that the terms and conditions, such as the BID_PRICE, are unacceptable and that negotiations are

003-0 OASIS DATA DICTIONARY Version 1.4				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
				terminated or that contractual terms have not been met. (Final state). RETRACTED = assigned by Primary Provider or Seller when the Customer fails to confirm or withdraw the request within the required time period. (Final state). WITHDRAWN = assigned by the Customer at any point in request evaluation to withdraw the request from any further action. (Final state). CONFIRMED = assigned by the Customer in response to the Primary Provider or Seller posting "ACCEPTED" status, to confirm service. Once a request has been "CONFIRMED", a transmission service reservation exits. (Final state, unless overridden by DISPLACED or ANNULLED state). DISPLACED = assigned by Primary Provider or Seller when a "CONFIRMED" reservation from a Customer is displaced by a higher priority reservation, and the Customer is not offered or has not exercised right of first refusal (i.e. refused to match terms of new request). (Final State.) ANNULLED = assigned by the Seller when, by mutual agreement with the Customer, a confirmed reservation is to be voided, or assigned unilaterally by the Primary Provider when a confirmed reservation is to be voided. (Final State).
STATUS_COMMENTS	STACOM	0{ALPHANUMERIC}255	Free form text	Informative: For information to be communicated by any party to all other parties.
STATUS_NOTIFICATIO	STATNOT	0{ALPHANUMERIC}200	http://URL:portnumber/dir	~~The STATUS_NOTIFICATION Data Element~~

003-0 OASIS DATA DICTIONARY Version 1.4				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
N			ec-otry/cgi script/query parameters or Mailto: <*e-mail address*>	~~s~~Shall contain the protocol field "http:", which designates the notification method/protocol to be used, followed by all resource location information required; the target domain name and port designations shall be inserted into the notification URL based on the Customer's Company registration information. The resource location information may include directory information, cgi script identifiers and URL encoded query string name/value pairs as required by the Customer's application. or ~~mailto~~ Mailto and email address for the status information the Customer wants to receive upon a change in STATUS of transstatus, or ancstatus
STOP_TIME	SPTIME	16{ALPHANUMERIC}16	Valid date and time yyyy+mo+dd+hh +mm+ss+tz	Stop date and clock time. When used as a Query Variable, it requires the return of all items which start before the Stop time. Note that for some Templates when used as a Query Variable the time may be only valid up to the hour, day or month. If more data is given than is valid, the hour, day or month will be used to make the date and time inclusive, i.e. date or time will be increased to include STOP_TIME.
STOP_TIME_POSTED	STPTIMEP	16{ALPHANUMERIC}16	Valid Date and Time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Query parameter to indicate all the records are to be retrieved that were posted on or before this time.
STOP_TIME_QUEUED	SPTIMEQ	16{ALPHANUMERIC}16	Valid Date and Time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Stop date and clock time, used for requesting transactions queued before this time
SUBJECT	SUBJ	0{ALPHANUMERIC}80	Free form text	Informative text used to summarize a topic in a message

003-0 OASIS DATA DICTIONARY Version 1.4				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
SYSTEM_ATTRIBUTE	SYSATTR	0{ALPHANUMERIC}15	Valid ~~v~~Values: CBM TRM TTC NATC RATC or listed in the LIST Template	Type of system data viewed by SYSTEMDATA Template: CBM – Capacity Benefit Margin TRM – Transmission Reliability Margin TTC – Total Transmission Capability NATC – Non-recallable (Firm) Available Transmission Capability RATC – Recallable (Non-firm) Available Transmission Capability {registered} – Provider specific registered name for the data posted
TARIFF_REFERENCE	TARIFF	0{ALPHANUMERIC}150	Free form text~~.~~ ~~Name and description of Tariff~~	Tariffs approved by FERC Name and description of Tariff
TEMPLATE	TEMPL	1{ALPHANUMERIC}20	Valid Name of Template from Standard 002-4.3.1 ~~Section 4.3~~ or from LIST Template	The name of a logical collection of DATA_ELEMENTS in a User's interaction with an OASIS Node.
TIME_OF_LAST_UPDATE	TLUPDATE	16{ALPHANUMERIC}16	Valid date and time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Date and time to seconds that data was last updated. May be used to search data updated since a specific point in time.
TIME_POSTED	TIMEPST	16{ALPHANUMERIC}16	Valid Date and Time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Date and time a message is posted
TIME_QUEUED	TIMEQ	16{ALPHANUMERIC}16	Valid Date and Time to seconds: yyyy+mo+dd+hh +mm+ss+tz	Date and time that the request was queued
TIME_STAMP	TSTAMP	16{ALPHANUMERIC}16	Valid date and Time to seconds yyyy+mo+dd+hh+mm+ss+tz	Time data is created

003-0 OASIS DATA DICTIONARY Version 1.4				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
TRANSACTION_ID	TRANSID	1{ALPHANUMERIC}30	Free form text	Identifier associated with an interchange transaction that may span multiple SCHEDULE_REF records. May be the NERC Tag id as specified in the NERC Electronic Tagging Functional Specification.
TS_CLASS	TSCLASS	1{ALPHANUMERIC}20	Valid ~~classes~~Values: FIRM NON-FIRM TTC SECONDARY {Registered}	The transmission service classes provided. Four are pre-defined, while additional classes can be used if they are registered on TSIN.COM and shown in the Provider's LIST Template page. SECONDARY is defined as alternate points of receipt or delivery for POINT_TO_POINT, or as non-designated resources for NETWORK service.
TS_PERIOD	TSPER	1{ALPHANUMERIC}20	Valid ~~periods~~Values: ON_PEAK OFF_PEAK FULL_PERIOD {Registered}	The transmission service periods provided. Three are pre-defined, while additional periods can be used if they are registered on TSIN.COM and shown in the Provider's LIST Template
TS_SUBCLASS	TSSUBC	0{ALPHANUMERIC}20	Free ~~F~~form text	The transmission service subclasses provided. These are free form.
TS_TYPE	TSTYPE	1{ALPHANUMERIC}20	Valid ~~types~~Values POINT_TO_POINT NETWORK ATC {Registered}	The transmission service types provided. Three are pre- defined, while additional types can be used if they are registered on TSIN.COM and shown in the Provider's LIST Template
TS_WINDOW	TSWIND	1{ALPHANUMERIC}20	Valid ~~windows~~Values FIXED SLIDING EXTENDED NEXT_INCREMENT {Registered }	The transmission service windows provided. Four are pre-defined, while additional windows can be used if they are registered on TSIN.COM and shown in the Provider's LIST Template
TZ	TZ	2{ALPHANUMERIC}2	Valid Values AD	Valid time zone and indication whether daylight savings time is to be used

003-0 OASIS DATA DICTIONARY Version 1.4				
Data Dictionary Element Name	**Alias**	**Field Format : minimum characters {type of ASCII} maximum characters**	**Restricted Values**	**Definition of Data Element**
			AS PD PS ED ES MD MS CD CS UT~~Valid time zone and indication whether daylight savings time is to be used~~	Time zones: Atlantic time = AD, AS Eastern time = ED, ES Central time = CD, CS Mountain time = MD, MS Pacific time = PD, PS Universal time = UT
VALID_FROM_TIME	VALFTIME	16{ALPHANUMERIC}16	Valid date and time yyyy+mo+dd+hh +mm+ss+tz	Date and time after which the message is valid
VALID_TO_TIME	VALTTIME	16{ALPHANUMERIC}16	Valid date and time yyyy+mo+dd+hh +mm+ss+tz	Date and time before which the message is valid
VERSION	VER	1{REAL NUMBER}6	Range of 1.0 to 9999.9	Specifies which version of the OASIS Standards and Communication Protocol to use when interpreting the request

MEMORANDUM

To: WEQ Executive Committee (EC)

From: WEQ Electronic Scheduling Subcommittee/Information Technology Subcommittee (ESS/ITS)

Date: September 18, 2007

RE: Minor Corrections to the WEQ 013 OASIS Standards and Communication

During the review process of documenting modifications to the WEQ 002 OASIS Standards and Communication Protocols, WEQ 003 OASIS Data Dictionary, and WEQ 013 OASIS Implementation Guide for the FERC Order No. 890 Group 1 changes, several minor corrections have been identified. On September 18, 2007, the BPS/ESS/ITS reviewed a number of minor corrections to WEQ 013, which they are submitting to the EC for review and approval. The BPS/ESS/ITS believes the attached redline changes meet the criteria of minor corrections as documented under the NAESB Operating Practices approved on March 20, 2003:

(b) clarifications or corrections to the format, appearance, or descriptions of standards in standards documentation
(d) clarifications and corrections that do not materially change a standard

The full set of minor corrections can be viewed in the attached redline Business Practice Standards. Minor corrections, other than those associated to format and appearance and minor corrections identified through the Microsoft Word spelling and grammar check function, are summarized below for your convenience.

- To avoid confusion all sections consistently used only the term Transmission Customer rather than Customer and Transmission Customer.

- Header – Added reference to indicate the OASIS Version Number to avoid confusion between OASIS 1.5 which is currently under development.

- Added note for each table in the following sections to indicate the data elements listed are not necessarily the same order as they are required within the OASIS templates.

  - Section 013-2.6.2 RENEWAL Requests
  - Section 013-2.6.3 MATCHING Requests
  - Section 013-2.6.4 DEFERRAL Requests
  - Section 013-2.6.5.1 REDIRECT on a Firm Basis
  - Section 013-2.6.5.2 REDIRECT on a Non-Firm Basis
  - Section 013-2.6.6 RELINQUISH Requests
  - Section 013-2.6.7.1 RESALE on OASIS
  - Section 013-2.6.7.2 RESALE off OASIS
  - Section 013-3.2 scheduledetail

New Text: Note: Elements are listed on basis of importance which may be different from the order required in the template.

Section 013-2.6.6 – Changed Capacity Available to a data element name and Redirect to a data value in the second paragraph.
Revised Text: When accepted by the Primary Provider, OASIS or Primary Provider procedures must remove the capacity held on the REDIRECT reservation over the time interval specified, and reinstate that capacity to the CAPACITY_AVAILABLE for REDIRECT of the parent firm reservation.

- Section 013-2.6.7.1 – Added section references to the fourth paragraph.
  Revised Text: The Reseller may act on the RESALE request using any of the processes defined in Section 2.3 Basic OASIS Transaction Handling, Section 2.6.1.1 Offering of Partial Service, and/or Section 2.6.1.2 Negotiation of Price. At some point in this process, the Reseller must identify those transmission service reservations whose scheduling rights are to be conferred to the Assignee as follows.

- Section 013-3.2 – Updated reference to NERC Electronic Tagging Functional Specification.
  Revised Text: For (transmission) schedules derived from implemented electronic tags (e-Tags) submitted in accordance with the North American Electric Reliability Corporation (NERC) Electronic Tagging Functional Specification, (ver.1.8.0) the following information must be posted on OASIS.

- Section 013-3.2 – Second table corrected Restriction/Requirement for CUSTOMER_CODE and CUSTOMER_DUNS to reference Transmissions Customer rather than SELLER.
  Revised Text: Identification of the Transmission Customer as listed in the transmission service reservation

- Section 013-4 – Updated all examples in sub-sections to match order of data elements documented in the templates as specified in WEQ 002 OASIS Standards and Communication Protocols Document.

- Section 013-4.1 – Added additional language to the end of section.
  Revised Text: Note that any leading or trailing spaces within each data record shown were inserted to facilitate word-wrapping of long records and must not appear in the actual formatted data files returned by OASIS unless they are contained within double quotes.

- Section 013-4.1.4 – Replaced references of Information Provider to OASIS in examples a, b, and d. Replaced reference of Information Provider to Primary Provider in example e.

Thank you for your consideration of these minor corrections.

Business Practices for Open Access Same-Time Information Systems (OASIS) Implementation Guide

Version 1.4

Document Change Log:

Date	Section	Description of Change
06/06/2007	All	Pertinent business process related requirements to be implemented as part of the OASIS Standards have been incorporated into this first version of the OASIS Implementation Guide.
06/06/2007	All	Global change of Primary Transmission Provider to Primary Provider and global change of Transmission Provider to Primary Provider.
06/06/2007	013-2	OASIS S&CP Standards 002-4.10.2 and 002-4.10.2.1 have been consolidated into 013-2.
06/06/2007	013-2.1	Enumerated values for OASIS REQUEST_TYPE data element from OASIS S&CP Standard 002-4.2.13 have been consolidated into 013-2.1.
06/06/2007	013-2.2	OASIS S&CP Standard 002-4.2.10.2 Status Values has been incorporated into Standard 013-2.2.
06/06/2007	013-2.3 through 2.6	All OASIS S&CP Standards contained under 002-4.2.13 and subordinate Standards have been incorporated and extended under new Standards 013-2.3 through 013-2.6 and subordinate Standards.
06/06/2007	013-3	Standards added to describe specific implementation requirements associated with certain OASIS Standard templates.
06/06/2007	013-4.1	OASIS S&CP Standard 002-4.4, File Examples, and all subordinate standards have been incorporated into this document in their entirety into Standard 013-4.1.
06/06/2007	013-4.2	Examples for Ancillary Services linkage to Transmission Services from OASIS S&CP Standard 002-4.2.12 have been incorporated into this document in their entirety into Standard 013-4.2
09/18/2007	Various	Minor edits including spacing, grammatical changes resulting from review using Microsoft Word Spelling and Grammar Check function.
09/18/2007	Various	Formatted OASIS template names so all template names when referenced in paragraphs are designated ***bold/italicized.***
09/18/2007	Various	Consistent formatting of data element names and data values
09/18/2007	Various	Consistent use of term Transmission Customer.
09/18/2007	Header	Added reference to indicate the OASIS Version Number
09/18/2007	013-2.6.2 through 13.2	Added note for each table in the following sections to indicate the data elements listed are not necessarily the same order as they are required within the OASIS templates
09/18/2007	013-2.6.6	Changed Capacity Available to a data element

		name and Redirect to a data value in the second paragraph.
09/18/2007	013-2.6.7.1	Added section references to the fourth paragraph.
09/18/2007	013-3.2	Updated reference to NERC Electronic Tagging Functional Specification.
09/18/2007	013-3.2	Second table corrected Restriction/Requirement for CUSTOMER_CODE and CUSTOMER_DUNS to reference Transmissions Customer rather than SELLER.
09/18/2007	013-4 through 013.4.1.7.2	Updated all examples in sub-sections to match order of data elements documented in the templates as specified in WEQ 002 OASIS Standards and Communication Protocols Document.
09/18/2007	013-4.1	Added last sentence at the end of section.
09/18/2007	013-4.1.4	Replaced references of Information Provider to OASIS in examples a, b, and d. Replaced reference of Information Provider to Primary Provider in example e.

Business Practices Requirements:

013-1 INTRODUCTION

This OASIS Implementation Guide establishes general and specific transaction processing requirements and related business processes required for OASIS. The technical standards for OASIS are defined in Standards WEQ 002 and WEQ 003, and the companion business practice standards are defined in Standards WEQ 001.

In the event of a conflict between a Primary Provider's Tariff, applicable business practices, and this Implementation Guide, the Tariff shall take precedence over all, and business practices shall take precedence over this document.

013-1.1 Usage of Terms

The following terms as used throughout this Implementation Guide are to be interpreted as follows:

OASIS – Refers to the Primary Provider's implementation of the OASIS ~~Customer~~Transmission Customer interface as defined in Standards WEQ 002, **and** any back-end supporting systems or user procedures that collectively perform the transaction processing functions associated with handling of requests on OASIS.

Business Practice – Refers collectively to any business practices adopted by the Primary Provider as defined in their Open Access Transmission Tariff (OATT), NAESB ratified Business Practice Standards, or provider specific practices or requirements.

Template – Refers generically, or by reference to a specifically named template, to the templates defined for the ~~Customer~~Transmission Customer interface to OASIS in Standards WEQ 002, **including** the displays and forms associated with the web browser based user interface implementing the functions of an OASIS defined template.

Must, **shall,** or **required** – Define specific requirements for OASIS processing that are not optional and must be implemented as described.

May, **should,** or **optional** – Define optional requirements that are recommended for implementation in OASIS but are not specifically required under these Standards.

Additional terms defined in Standards WEQ 001 and WEQ 002 are also hereby incorporated by reference.

013-2 OASIS TRANSACTION PROCESSING

The basic OASIS transaction process is described below. This Implementation Guide also provides additional requirements and guidance for processing specific types of business transactions in the implementation of OASIS. Note that the ~~(Primary)~~ Primary Provider may, but is not limited to, interacting with OASIS using the Transmission Customer template or user interface. Primary Providers may also implement OASIS functions on back-end systems and are not required to perform all transaction processing on an OASIS node proper, provided that the results of all transaction processing are correctly posted on OASIS as required by the Tariff, regulation, or other established business practices.

The following is a summary of the templates used and actions that may be taken by the ~~Customer~~Transmission Customer and Seller to execute a transaction on OASIS. Note that the OASIS Standards require all template functionality to be provided through a User Interface. While this discussion focuses on template execution, all actions must be supported through a browser-based User Interface. Detailed examples of the transaction process and description of the business logic envisioned to be implemented as part of the Primary Provider's OASIS or other back-end transaction support services are provided in subsequent sections of this Implementation Guide.

a. The ***transrequest*** and ***ancrequest*** ~~T~~templates shall be used by the ~~Customer~~Transmission Customer to enter a transaction request for specific transmission or ancillary services from a specified Seller. All pertinent transaction-specific information must be provided in the template data elements.

b. The ***transstatus*** and ***ancstatus*** ~~T~~templates shall be used by both ~~Customer~~Transmission Customer and Seller to query for the current transaction information (e.g., STATUS). Alternatively, the ~~Customer~~Transmission Customer may request dynamic notification per WEQ 002-4.2.10.3 whenever the transaction data is changed.

c. The ***transsell*** and ***ancsell*** ~~T~~templates shall be used by the Seller to indicate to the ~~Customer~~Transmission Customer whether the request is acceptable or not by setting the transaction STATUS to one of RECEIVED, INVALID, STUDY, COUNTEROFFER, ACCEPTED, REFUSED, SUPERSEDED, DECLINED, DISPLACED, ANNULLED, or RETRACTED. A Primary Provider as the Seller may use the *transsell and ancsell* ~~T~~templates to act on requests or may use proprietary software solutions to perform this function in a similar manner.

d. The ***transcust*** and ***anccust*** ~~T~~templates shall be used by the ~~Customer~~Transmission Customer to indicate to the Seller whether they wish to negotiate, confirm or withdraw the transaction by setting the transaction STATUS to one of REBID, CONFIRMED, or WITHDRAWN.

e. The ***transassign*** and ***ancassign*** ~~T~~templates shall be used by the Seller to notify the Primary Provider of the transfer of rights from the Seller to the ~~Customer~~Transmission Customer consummated off the OASIS Node.

f. The source of all ~~Customer~~Transmission Customer and Seller contact information shall be provided under WEQ 002-3.1 REGISTRATION AND LOGIN REQUIREMENTS. Therefore, it shall not be input as part of uploads, but shall be provided as part of all transaction downloads.

g. OASIS Nodes shall accept a Seller-initiated change in STATUS to ACCEPTED only when OFFER_PRICE matches BID_PRICE.

h. OASIS Nodes shall accept a ~~Customer~~Transmission Customer-initiated change in STATUS to CONFIRMED only when BID_PRICE matches OFFER_PRICE.

i. If CAPACITY_GRANTED is null when STATUS is being changed to ACCEPTED or CONFIRMED, the OASIS Node shall set it equal to CAPACITY_REQUESTED.

j. OASIS Nodes shall set the initial transaction STATUS of the request to QUEUED and assign a unique ASSIGNMENT_REF identifier for the transaction.

k. If the ~~Customer~~Transmission Customer has identified the transaction as PRECONFIRMED and the Seller has set the transaction STATUS to ACCEPTED, OASIS Nodes shall automatically set the transaction's STATUS to CONFIRMED without any ~~Customer~~Transmission Customer interaction required.

l. If the ~~Customer~~Transmission Customer has identified the transaction as PRECONFIRMED and the Seller has set the transaction STATUS to COUNTEROFFER, OASIS Nodes shall take no automatic confirmation action on the transaction and require explicit confirmation by the ~~Customer~~Transmission Customer.

This transaction process flow is depicted in the diagram below.

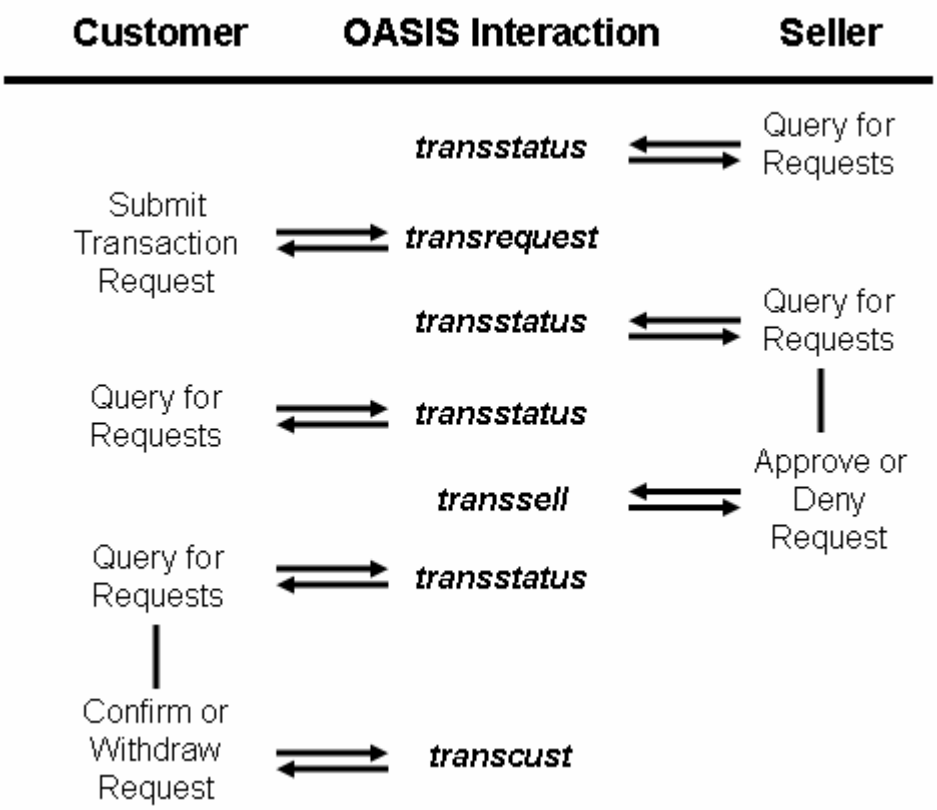

Exhibit 1 Transaction Template Usage Diagram

013-2.1 Transaction Request Types

The following are the valid OASIS transaction request types (template data element REQUEST_TYPE) that may be submitted by the ~~Customer~~Transmission Customer unless otherwise noted, along with a brief description of their intended use:

ORIGINAL = typical reservation requests submitted to the Primary Provider (as the Seller of the transmission or ancillary service)

RESALE = secondary market requests submitted to a Transmission Customer as Secondary Provider

RENEWAL = request to renew an expiring transmission reservation

MATCHING = request to meet or exceed a competing request to retain transmission service (right of first refusal)

DEFERRAL = request to defer or apply for an extension on start of transmission service

REDIRECT = request to redirect all or portion of a transmission reservation to an alternate POR/POD and/or make other changes to the terms of service as permitted

RELINQUISH = request to release all or a portion of the capacity of a Redirect on a Non-Firm basis to the Firm Parent Reservation

{registered} = A Primary Provider may register values for REQUEST_TYPE to implement specific provisions of their Tariff.

This Implementation Guide contains detailed descriptions on the use of each transaction REQUEST_TYPE and explains the business processes to be implemented in association with each of these requests as specified by the OASIS Business Practice Standards, WEQ 001.

013-2.2 Transaction Status

The following are the defined values that may appear in the STATUS data element associated with a given OASIS transaction:

QUEUED = initial status assigned by TSIP on receipt of "customer services purchase request."

INVALID = assigned by TSIP, or Primary Provider indicating an invalid field in the request, such as improper POR, POD, source, sink, etc. (Final state)~~.~~

RECEIVED = assigned by Primary Provider or Seller to acknowledge QUEUED requests and indicate the service request is being evaluated, including for completing the required ancillary services.

STUDY= assigned by Primary Provider or Seller to indicate some level of study is required or being performed to evaluate service request.

REFUSED = assigned by Primary Provider or Seller to indicate service request has been denied due to lack of available transfer capability. (Final state)~~.~~

COUNTEROFFER = assigned by Primary Provider or Seller to indicate that a new OFFER_PRICE is being proposed or that CAPACITY_GRANTED is less than CAPACITY_REQUESTED.

REBID = assigned by ~~Customer~~Transmission Customer to indicate that a new BID_PRICE is being proposed.

SUPERSEDED = assigned by Primary Provider or Seller when a request which has not yet been confirmed is preempted by another reservation request. (Final state)~~.~~

ACCEPTED = assigned by Primary Provider or Seller to indicate the service request at the designated OFFER_PRICE and CAPACITY_GRANTED has been approved/accepted. If the reservation request was submitted PRECONFIRMED and CAPACITY_GRANTED is equal to CAPACITY_REQUESTED, the OASIS Node shall immediately set the

reservation status to CONFIRMED. Depending upon the type of ancillary services required, the Seller may or may not require all ancillary service reservations to be completed before accepting a request.

DECLINED = assigned by Primary Provider or Seller to indicate that the terms and conditions of the request, such as the BID_PRICE, are unacceptable and that negotiations are terminated or that contractual terms and conditions have not been met. (Final state)~~.~~

CONFIRMED = assigned by ~~Customer~~Transmission Customer in response to Primary Provider or Seller posting "ACCEPTED" status, to confirm service. Once a request has been "CONFIRMED," a transmission service reservation exists. (Final state, unless overridden by DISPLACED or ANNULLED state)~~.~~

WITHDRAWN = assigned by ~~Customer~~Transmission Customer at any point in request evaluation to withdraw the request from any further action. (Final state)~~.~~

DISPLACED = assigned by Primary Provider or Seller when a "CONFIRMED" reservation from a ~~Customer~~Transmission Customer is displaced by a higher priority reservation and the ~~Customer~~Transmission Customer is not offered or has not exercised right of first refusal (i.e. refused to match terms of new request). (Final state)~~.~~

ANNULLED = assigned by the Seller when, by mutual agreement with the ~~Customer~~Transmission Customer, a confirmed reservation is to be voided, or assigned unilaterally by the Primary Provider when a confirmed reservation is to be voided. (Final state)~~.~~

RETRACTED = assigned by Primary Provider or Seller when the ~~Customer~~Transmission Customer fails to confirm or withdraw the request within the required time period. (Final state)~~.~~

The following state transition diagram can be used as a business process guideline and illustrates the valid changes that may be made to the STATUS value by the Seller and ~~Customer~~Transmission Customer during the transaction process; however, individual tariffs may dictate specific allowed actions between states that are not reflected in this diagram.

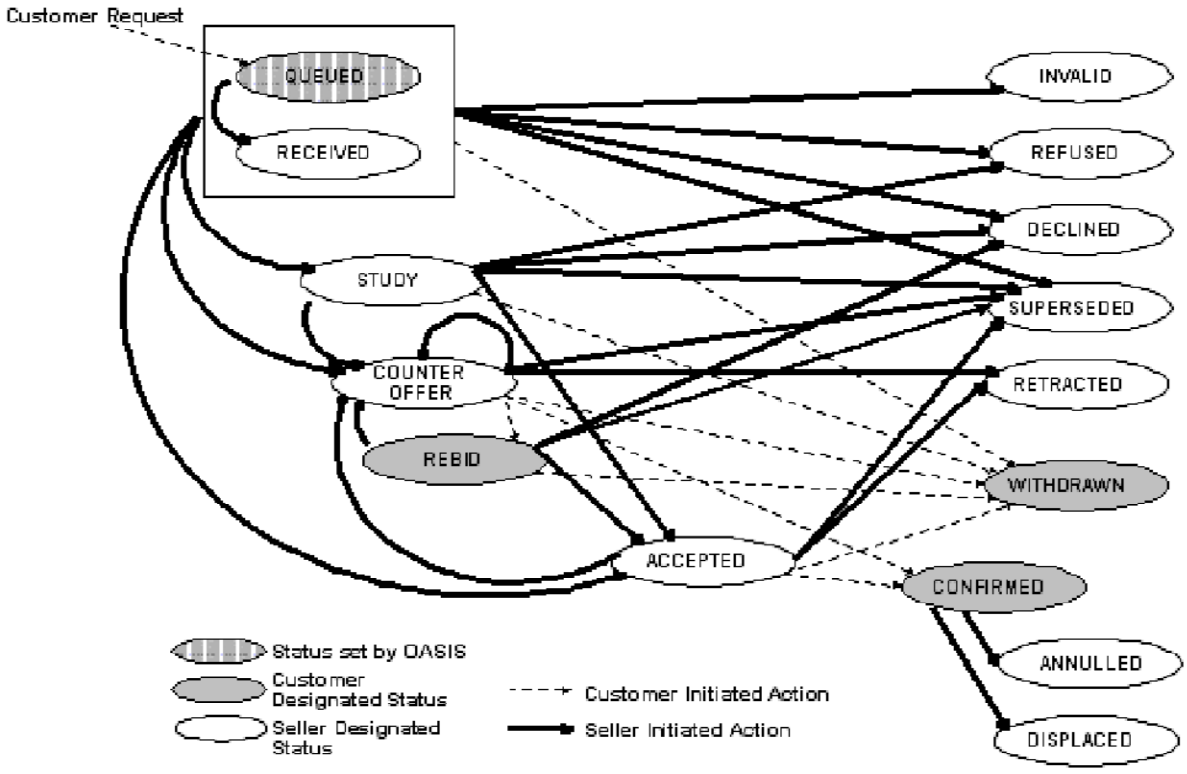

Exhibit 2 - State Diagram of Purchase Transactions

013-2.3 Basic OASIS Transaction Handling

Requests to reserve or purchase transmission or ancillary service shall be submitted to OASIS by the Transmission Customer via the ***transrequest*** or ***ancrequest*** templates.

The Seller specified in the request must be the Primary Provider for REQUEST_TYPE~~s~~ of ORIGINAL, REDIRECT, RELINQUISH, RENEWAL, or DEFERRAL. The Seller specified in the request must be a registered entity other than the Primary Provider for REQUEST_TYPE of RESALE or TRANSFER. The Seller may be either the Primary Provider or another registered entity for REQUEST_TYPE of MATCHING.

OASIS should screen submitted requests to validate proper use of REQUEST_TYPE. Additional restrictions based on specific REQUEST_TYPEs are detailed in subsequent Standards. Validations on the service requested, service start time and duration, submission time, etc., are established by business practice.

Once successfully submitted on OASIS, the Seller may take any of the following actions via the ***transsell/ancsell*** template:

- Acknowledge receipt by setting STATUS to RECEIVED or STUDY
- Deny the request by setting STATUS to INVALID, DECLINED, or REFUSED
- Approve the request by setting STATUS to ACCEPTED or COUNTEROFFER

At any time during the processing of the request, the ~~Customer~~Transmission Customer may set STATUS to WITHDRAWN to remove the request from further consideration by the Seller.

Once the Seller approves the request, the ~~Customer~~Transmission Customer may take any of the following actions via the ***transcust/anccust*** template:

- WITHDRAW the request
- Continue negotiation of the request by setting STATUS to REBID
- Complete the request by setting STATUS to CONFIRMED

Prior to final confirmation by the ~~Customer~~Transmission Customer, the Seller may override their approval of the request with the following actions:

- Retract approval based on exceeding of Transmission ~~c~~Customer confirmation time limits and/or scheduling deadlines or other criteria established by business practice by setting the STATUS to RETRACTED
- Retract approval based on receipt of a higher priority competing request by setting the STATUS to SUPERSEDED

Once CONFIRMED on OASIS by the ~~Customer~~Transmission Customer a service reservation shall be deemed to exist. The Seller or the Primary Provider may take the following actions on a CONFIRMED service reservation:

- Nullify the reservation for cause by setting the STATUS to ANNULLED
- Displace the reservation in-whole to accommodate a higher priority competing request by setting the STATUS to DISPLACED

Seller's shall provide a reason in the SELLER_COMMENTS whenever a service request is set to the STATUS of INVALID, REFUSED, DECLINED, RETRACTED, SUPERSEDED, ANULLED or DISPLACED. The Primary Provider, when not acting as the Seller, shall provide a reason in the PROVIDER_COMMENTS whenever a service request is set to the STATUS of ANNULLED or DISPLACED.

013-2.4 Displacement

Displacement of an OASIS reservation may occur when a higher priority transmission service request is received by the Primary Provider and there is insufficient Available Transfer Capacity (ATC) to honor that request, but capacity could be made available through the displacement of lower priority requests/reservations. The following Standards describe the business process to be implemented on OASIS when this occurs.

013-2.4.1 Displacement – No Right of First Refusal

Confirmed transmission reservations may be subject to displacement in the event competing, higher priority requests are received by the Primary Provider.

If the existing ~~Customer~~Transmission Customer does not have the right of first refusal and all capacity from that ~~Customer~~Transmission Customer's confirmed reservation is required to accommodate the higher priority request, the Primary Provider shall set the existing reservation's STATUS to DISPLACED. The STATUS of DISPLACED indicates that the reservation has been displaced in its entirety.

If only a portion of the confirmed reservation's capacity is required to accommodate the higher priority request, the Primary Provider shall document the ~~"recall"~~recall of reserved capacity from the lower priority confirmed reservation by incrementing the IMPACTED counter on that reservation and posting on OASIS the amount and time frames over which that reservation's capacity was reduced, i.e., a partial displacement. The Transmission ~~Customer~~Transmission Customer may view all impacts to existing transmission service reservations (e.g., partial displacements, secondary sales, etc.) using the ***reduction*** ~~T~~template.

A reference to the competing transmission service request that forced the displacement should be entered in the SELLER_COMMENTS field of the displaced reservation.

013-2.4.2 Displacement – With Right of First Refusal

Confirmed transmission reservations may be subject to displacement in the event competing, higher priority requests are received by the Primary Provider, but have the right of first refusal to retain their transmission service.

If the Primary Provider's Tariff obligates, or the Primary Provider elects to grant the original ~~Customer~~Transmission Customer the right of first refusal, the existing ~~Customer~~Transmission Customer shall be notified of the competing request. The Primary Provider shall set the existing lower priority reservation's COMPETING_REQUEST_FLAG to Y and update the SELLER_COMMENTS to include the ASSIGNMENT_REF associated with the higher priority competing request. These actions will initiate electronic notification, provided the ~~Customer~~Transmission Customer has elected to receive such notification.

If the existing ~~Customer~~Transmission Customer elects to meet the terms and conditions of the competing request, that ~~Customer~~Transmission Customer shall submit a new MATCHING reservation request using the ***transrequest*** template. The specific requirements associated with submission of MATCHING requests are detailed in Standard 013-2.6.3.

If the Primary Provider accepts and the ~~Customer~~Transmission Customer confirms the MATCHING request, the Primary Provider shall set the STATUS of the competing request to ~~"~~REFUSED~~"~~ and set the STATUS of the existing lower priority confirmed reservation to ~~"~~DISPLACED~~"~~. The STATUS of DISPLACED indicates that the reservation has been displaced in its entirety and has been replaced by the confirmed MATCHING reservation.

If the existing ~~Customer~~Transmission Customer does not elect to meet the terms of the competing request, the Primary Provider shall displace the existing lower priority reservation, in whole or in part, in the same manner described for displacement of reservations that are not extended a right of first refusal.

Once the result of the competition is resolved, whether through MATCHING or displacement of the existing reservation, the Primary Provider shall reset the COMPETING_REQUEST_FLAG to ~~"~~N~~"~~ in the reservation subject to displacement.

013-2.5 Primary Provider Recalls

There are cases in implementing provisions of the Primary Provider's Tariff that the capacity reserved by a Transmission Customer may be reduced in whole or in part, e.g. Displacement or Interruption. The particular reasons for these reductions are Tariff specific.

The Primary Provider shall provide a mechanism to post on OASIS any such reductions or ~~"~~recalls~~"~~ in reserved capacity. The ~~Customer~~Transmission Customer shall be notified of any and all such reductions in reserved capacity by the incrementing of the IMPACTED counter in association with those reservations that are reduced; the IMPACTED flag is viewable with the ***transstatus*** template. Specific information regarding the exact nature of each reduction in the reserved capacity under a given transmission reservation shall be posted and viewable with the ***reduction*** template.

A specific example of a Primary Provider initiated recall of reserved capacity is the implementation of a partial displacement of a transmission reservation. In this instance, the ~~Customer~~Transmission Customer has not elected (or was not

required to be offered) to match the terms of a higher priority, competing request. The Primary Provider ~~"~~recalls~~"~~ that capacity necessary to accommodate the higher priority request from the existing lower priority reservation. The IMPACTED counter of that reservation is incremented, and a query using the ***reduction*** template for that reservation would show the ~~Customer~~Transmission Customer the amount and time-frame over which the ~~Customer~~Transmission Customer's reserved capacity was recalled by the Primary Provider.

Interruption of transmission service, where that interruption directly impacts the rights of the ~~Customer~~Transmission Customer to schedule any service under that reservation, is another example of an impact to reserved capacity that would be posted as a Primary Provider initiated recall of reserved capacity. Secondary market sales of transmission rights are not examples of a Primary Provider initiated recall of reserved capacity, but the impact of any such sales shall also be returned in response to execution of the ***reduction*** ~~T~~template.

013-2.6 Transaction Specific Handling

The following Standards identify specific OASIS data elements and processing requirements that must be implemented by OASIS and/or associated back-end support systems. The results of all transaction processing shall be viewable by all appropriate entities via the ***transstatus/ancstatus*** templates and corresponding OASIS User Interface.

013-2.6.1 ORIGINAL Requests

ORIGINAL requests shall be submitted by the ~~Customer~~Transmission Customer to arrange for new transmission or ancillary service with the Primary Provider.

The following are specific restrictions or requirements for OASIS service requests with REQUEST_TYPE of ORIGINAL. If REQUEST_TYPE is not specified by the ~~Customer~~Transmission Customer and SELLER_CODE and SELLER_DUNS are the same as PRIMARY_PROVIDER_CODE and PRIMARY_PROVIDER_DUNS, OASIS shall default REQUEST_TYPE to ORIGINAL.

Data Element	Restriction/Requirement
REQUEST_TYPE	Must be ORIGINAL
RELATED_REF	Must be null
SELLER_CODE	Must match PRIMARY_PROVIDER_CODE
SELLER_DUNS	Must match PRIMARY_PROVIDER_DUNS

Note: Elements are listed on basis of importance, which may be different from the order required in the template.

Additional requirements related to the specification of service points, attributes, pricing, and timing are subject to the Primary Provider's business practices.

The Transmission Customer may submit a time varying profile of capacity as allowed by the Primary Provider's business practice by repeating the template data elements of CAPACITY_REQUESTED, START_TIME and STOP_TIME in template continuation records.

013-2.6.1.1 Offering of Partial Service

If in the evaluation of a transmission request, the Primary Provider determines that only a portion of the Transmission Customer's requested capacity (CAPACITY_REQUESTED ~~D~~data ~~E~~element) can be accommodated and that the Primary Provider is obligated or elects to offer the Transmission Customer only a portion of the requested capacity, the Primary Provider shall set the CAPACITY_GRANTED ~~D~~data ~~E~~element associated with that transmission service request to the amount available, and set the request's STATUS to COUNTEROFFER.

If the CAPACITY_REQUESTED and/or CAPACITY_GRANTED are not constant over time, continuation records shall be used to convey the time varying profile of MW capacity associated with the transmission request via the ~~D~~data ~~E~~elements CAPACITY_REQUESTED, CAPACITY_GRANTED, START_TIME and STOP_TIME. The profile of CAPACITY_GRANTED must span the entire START_TIME to STOP_TIME interval initially requested by the ~~Customer~~Transmission Customer even if CAPACITY_GRANTED is zero.

The ~~Customer~~Transmission Customer shall recognize the offer of partial service by CAPACITY_GRANTED not being equal to CAPACITY_REQUESTED and the request STATUS of COUNTEROFFER. The ~~Customer~~Transmission Customer may elect to CONFIRM, WITHDRAW, or REBID the reservation using the ***transcust*** ~~T~~template.

If the transmission reservation request was marked PRECONFIRMED by the ~~Customer~~Transmission Customer and an offer of partial service is extended, the reservation request must be explicitly CONFIRMED by the Transmission Customer. The OASIS node shall not automatically confirm a request where CAPACITY_REQUESTED does not equal CAPACITY_GRANTED when/if an attempt is made to set STATUS to ACCEPTED.

The Primary Provider shall use this same process in handling the deferral to the start of transmission service due to delays in completing the necessary transmission system studies associated with the request. In these cases, the Primary Provider shall document the deferral by setting an initial transmission service profile record with CAPACITY_GRANTED set to ~~0~~zero MWs and beginning with the originally requested START_TIME and STOP_TIME coincident with the delayed start of service. The Primary Provider shall then specify the capacity to be made available to the Transmission Customer in one or more subsequent transmission service profile continuation records by defining CAPACITY_GRANTED, START_TIME and STOP_TIME as appropriate.

013-2.6.1.2 Negotiation of Price

Negotiation of price is initiated by the Transmission Customer submitting a service request (via ***transrequest/ancrequest***) with a BID_PRICE that is different (higher or lower) from the currently posted offer price, or the tariff rate, for that service. The following negotiation process is required where the Seller is the Primary Provider. Resales or transfers between Transmission Customers may use this process, but there is no obligation on the (Re)Seller to offer a negotiated rate to other Transmission Customers.

If the Seller determines that the BID_PRICE is acceptable, the following actions must be taken (via ***transsell/ancsell***):

- Update the currently posted offer price for the service requested and all other applicable services offered as dictated by current discounting policy (e.g., all unconstrained paths to the same point of delivery) to match BID_PRICE;
- Update the request's NEGOTIATED_PRICE_FLAG to 'L' or 'H' if the BID_PRICE was lower than or higher than, respectively, the posted price when the request was submitted;
- Set the OFFER_PRICE equal to the BID_PRICE;
- Set the CAPACITY_GRANTED appropriately (if left null or undefined, OASIS shall set CAPACITY_GRANTED equal to CAPACITY_REQUESTED when STATUS is set to ACCEPTED);
- Set the request STATUS to ACCEPTED (or COUNTEROFFER if offering partial service)

The Transmission Customer may then confirm the purchase or withdraw the request by updating the request STATUS (via ***transcust/anccust***).

If the Seller determines that the BID_PRICE is unacceptable, and negotiation of price is not going to be entertained, the Seller shall set the request STATUS to DECLINED (via ***transsell/ancsell***):

If the Seller elects to enter into price negotiation, the following actions must be taken (via ***transsell/ancsell***):

- If the price to be counter offered to the Transmission Customer is different than the currently posted offer price:
  - Update the currently posted offer price for the service requested and all other applicable services offered as dictated by current discounting policy (e.g., all unconstrained paths to the same point of delivery) to match the price to be counteroffered;
  - Update the request's NEGOTIATED_PRICE_FLAG to 'L' or 'H' if the price to be counter offered is lower than or higher than, respectively, the posted price when the request was submitted;
- Set the OFFER_PRICE and CAPACITY_GRANTED appropriately;
- Set the request STATUS to COUNTEROFFER.

The Transmission Customer may then confirm the purchase, withdraw the request, or propose a new BID_PRICE by performing the following (via ***transcust/anccust***):

- Update the request BID_PRICE;
- Set the request STATUS to REBID.

The Seller may then act on the new BID_PRICE by declining the request, accepting the BID_PRICE, or counter offering a new OFFER_PRICE using the same sequence of actions as stated above.

Negotiation of price may also be initiated on receipt of a request for similar service submitted with a higher BID_PRICE. If required by business practice, the Seller (Primary Provider) may update any ACCEPTED but unconfirmed requests to COUNTEROFFER with the associated OFFER_PRICE set to meet the higher received BID_PRICE, and the negotiation of price can proceed as described above.

013-2.6.2 RENEWAL Requests

Transmission Customers shall use the REQUEST_TYPE of RENEWAL to exercise rollover rights associated with an existing transmission service reservation held by the ~~Customer~~Transmission Customer. RENEWAL requests must always specify the Primary Provider as SELLER.

The following are specific restrictions or requirements for OASIS service requests with REQUEST_TYPE of RENEWAL.

Data Element	Restriction/Requirement
REQUEST_TYPE	Must be RENEWAL
RELATED_REF	Must specify the ASSIGNMENT_REF associated with an existing confirmed transmission service reservation held by the ~~Customer~~Transmission Customer that 1) has rollover rights, and 2) whose rollover rights have not expired.
SELLER_CODE	Must match PRIMARY_PROVIDER_CODE
SELLER_DUNS	Must match PRIMARY_PROVIDER_DUNS
PATH	Must represent the same corresponding service points in the reservation specified in RELATED_REF
POINT_OF_RECEIPT	
POINT_OF_DELIVERY	
SOURCE	
SINK	
SERVICE_INCREMENT	Must specify a set of valid transmission service attributes recognized by the Primary Provider as a valid service designation eligible for exercising of rollover rights held by the reservation specified in RELATED_REF
TS_CLASS	
TS_TYPE	
TS_PERIOD	
TS_WINDOW	
TS_SUBCLASS	
START_TIME	Must match the STOP_TIME of the reservation specified in RELATED_REF
STOP_TIME	With START_TIME, must specify a valid interval of service eligible for exercising of rollover rights held by the reservation specified in RELATED_REF
CAPACITY_REQUESTED	Must be less than or equal to the amount of capacity eligible for rollover over the interval of service

Note: Elements are listed on basis of importance, which may be different from the order required in the template.

RENEWAL requests must be submitted on OASIS prior to expiration of the Transmission Customer's rollover rights as established by business practice.

The transmission service attributes, e.g., TS_CLASS, etc., should match the corresponding attributes in the reservation specified in RELATED_REF. However, changes may be made to these attributes over time such that some differences are necessary to accommodate changes in the Primary Provider's business practices. This also applies to changes in service points, e.g., PATH, etc., over time.

RENEWAL requests may be subject to offering of partial service and negotiation just as an ORIGINAL request.

013-2.6.3 MATCHING Requests

Transmission Customers shall use the REQUEST_TYPE of MATCHING to exercise right of first refusal to avoid being displaced by a higher priority competing request.

The following are specific restrictions or requirements for OASIS service requests with REQUEST_TYPE of MATCHING.

Data Element	Restriction/Requirement
REQUEST_TYPE	Must be MATCHING
RELATED_REF	Must specify the ASSIGNMENT_REF associated with an existing confirmed transmission service reservation held by the ~~Customer~~Transmission Customer that is subject to displacement.
PATH	Must represent the same corresponding service points in the reservation specified in RELATED_REF
POINT_OF_RECEIPT	
POINT_OF_DELIVERY	
SOURCE	
SINK	
SERVICE_INCREMENT	Must specify a set of valid transmission service attributes that meet the requirements to exercise right of first refusal
TS_CLASS	
TS_TYPE	
TS_PERIOD	
TS_WINDOW	
TS_SUBCLASS	
START_TIME	Must specify the start time that meets the requirements to exercise right of first refusal
STOP_TIME	With START_TIME, must specify a valid interval of service eligible for exercising right of first refusal
CAPACITY_REQUESTED	Must specify the capacity that meets the requirements to exercise right of first refusal

Note: Elements are listed on basis of importance, which may be different from the order required in the template.

013-2.6.4 DEFERRAL Requests

The DEFERRAL request shall be used by Transmission Customers to request a delay in the start of an existing transmission service reservation held by the Transmission Customer. DEFERRAL requests must always specify the Primary Provider as SELLER.

The following are specific restrictions or requirements for OASIS service requests with REQUEST_TYPE of DEFERRAL.

Data Element	Restriction/Requirement
REQUEST_TYPE	Must be DEFERRAL
RELATED_REF	If submitted by the ~~Customer~~Transmission Customer, must specify the ASSIGNMENT_REF associated with an existing confirmed transmission service reservation held by the ~~Customer~~Transmission Customer whose start time is to be delayed/deferred. If posted by the Primary Provider, must specify the ASSIGNMENT_REF associated with a pending transmission service request submitted by the ~~Customer~~Transmission Customer whose start time is to be deferred.
SELLER_CODE	Must match PRIMARY_PROVIDER_CODE
SELLER_DUNS	Must match PRIMARY_PROVIDER_DUNS
PATH	Must represent the same corresponding service points in the reservation/request specified in RELATED_REF
POINT_OF_RECEIPT	
POINT_OF_DELIVERY	
SOURCE	
SINK	
SERVICE_INCREMENT	Must represent the same set of valid transmission service attributes recognized by the Primary Provider as a valid service designation specified in the reservation/request specified in RELATED_REF
TS_CLASS	
TS_TYPE	
TS_PERIOD	
TS_WINDOW	
TS_SUBCLASS	
START_TIME	Must specify the new requested time for the start of transmission service and must be greater than the START_TIME of the reservation/request specified in RELATED_REF
STOP_TIME	With START_TIME, must specify a valid interval of service based on the transmission service attributes
CAPACITY_REQUESTED	Must be equivalent to the amount of capacity originally reserved/requested

Note: Elements are listed on basis of importance, which may be different from the order required in the template.

When submitted by the Transmission Customer and ultimately approved and confirmed~~;~~, OASIS or the Primary Provider procedurally must set the status of the reservation specified in RELATED_REF to ANNULLED. The DEFERRAL

request becomes the new transmission service reservation reflecting the delay in start of service requested.

The Primary Provider shall evaluate pending DEFERRAL requests relative to other transmission requests based on the TIME_QUEUED of the Transmission Customer's ORIGINAL request for service.

013-2.6.5 REDIRECT Requests

The REDIRECT request is submitted by an existing firm point-to-point ~~t~~Transmission ~~c~~Customer to request the use of alternate points of receipt and/or delivery from the Primary Provider. By definition, the Seller in a REDIRECT request must be the Primary Provider even if those rights being redirected were acquired from another Transmission Customer via ~~Resale~~resale or ~~Transfer~~transfer.

The following Standards set forth the requirements for submission of REDIRECT requests on either a Firm or Non-Firm basis.

013-2.6.5.1 REDIRECT on a Firm Basis

A Transmission Customer holding confirmed firm point-to-point transmission rights may request the use of those rights on alternate points of receipt and/or delivery on a firm basis by submission of a REDIRECT request to the Primary Provider as Seller. The following information must be submitted by the ~~c~~Transmission Customer in the REDIRECT request via the ***transrequest*** template.

Data Element	Restriction/Requirement
REQUEST_TYPE	Must be REDIRECT
RELATED_REF	Must identify by ASSIGNMENT_REF a confirmed transmission service reservation for firm point-to-point service held by the submitting Transmission Customer
SELLER_CODE	Must match PRIMARY_PROVIDER_CODE
SELLER_DUNS	Must match PRIMARY_PROVIDER_DUNS
PATH	Must represent the new transmission service points being requested
POINT_OF_RECEIPT	
POINT_OF_DELIVERY	
SOURCE	
SINK	
SERVICE_INCREMENT	Must represent a set of valid transmission service attributes for firm point-to-point service offered by the Primary Provider and being requested on the new service points by the Transmission Customer
TS_CLASS	
TS_TYPE	
TS_PERIOD	
TS_WINDOW	
TS_SUBCLASS	
START_TIME	Must specify the requested start of transmission service and must be within the bounds of START_TIME specified in the reservation identified in RELATED_REF

Data Element	Restriction/Requirement
STOP_TIME	Must specify the requested stop/end of transmission service and must be within the bounds of STOP_TIME specified in the reservation identified in RELATED_REF, and with START_TIME must represent a valid interval of service for the firm point-to-point service being requested
CAPACITY_REQUESTED	Must specify the amount of transmission capacity being requested
BID_PRICE	Should specify the price for the service being requested; may be null

Note: Elements are listed on basis of importance, which may be different from the order required in the template.

The Primary Provider shall evaluate each REDIRECT on a Firm basis as any other new request for firm point-to-point transmission service. Primary Provider business practices establish the requirements for service duration, submission time, evaluation time, confirmation time, etc.

OASIS or Primary Provider procedures should verify that the transmission reservation identified in RELATED_REF meets all the requirements to support the redirect of transmission rights to the new service points. This should include the validation that the current rights, the Capacity Available for Redirect, held on that reservation in the amount of the REDIRECT over time have not been encumbered by any other confirmed redirects, resales, schedules, etc. This capacity validation may occur at any point in the request process, but shall always be performed prior to setting the REDIRECT STATUS to CONFIRMED.

Once CONFIRMED, the transmission rights held on the RELATED_REF reservation in the amount of the REDIRECT shall be permanently released by the Primary Provider and conveyed to the REDIRECT reservation. The only mechanism for the Transmission Customer to return to the original points of receipt and/or delivery is to submit another REDIRECT request.

The impact on ~~Available Transfer Capability (~~ATC~~)~~ for the reservation identified by RELATED_REF shall be released and the impact of the REDIRECT transaction on ATC shall be accounted for in the amount and over time of the redirect simultaneously.

The impact of the REDIRECT transaction on the reservation(s) identified by RELATED_REF shall be posted and viewable using the ***reduction*** template.

013-2.6.5.2 REDIRECT on a Non-Firm Basis

A Transmission Customer holding confirmed firm point-to-point transmission rights may request the use of those rights on alternate points of receipt and/or delivery on a non-firm basis by submission of a REDIRECT request to the Primary Provider as Seller. The following information must be submitted by the

Transmission ~~c~~Customer in the REDIRECT request via the ***transrequest*** template.

Data Element	Restriction/Requirement
REQUEST_TYPE	Must be REDIRECT
RELATED_REF	Must identify by ASSIGNMENT_REF a confirmed transmission service reservation for firm point-to-point service held by the submitting ~~Customer~~Transmission Customer
SELLER_CODE	Must match PRIMARY_PROVIDER_CODE
SELLER_DUNS	Must match PRIMARY_PROVIDER_DUNS
PATH	Must represent the new transmission service points being requested
POINT_OF_RECEIPT	
POINT_OF_DELIVERY	
SOURCE	
SINK	
SERVICE_INCREMENT	Must be HOURLY
TS_CLASS	Must be SECONDARY
TS_TYPE	Must be POINT_TO_POINT
TS_PERIOD	Must be FULL_PERIOD
TS_WINDOW	Must be FIXED
TS_SUBCLASS	Must be null
START_TIME	Must specify the requested start of transmission service and must be within the bounds of START_TIME specified in the reservation identified in RELATED_REF
STOP_TIME	Must specify the requested stop/end of transmission service and must be within the bounds of STOP_TIME specified in the reservation identified in RELATED_REF, and with START_TIME must represent a valid interval of service for the firm point-to-point service being requested
CAPACITY_REQUESTED	Must specify the amount of transmission capacity being requested

Note: Elements are listed on basis of importance, which may be different from the order required in the template.

Primary Provider business practices establish the requirements for service duration, submission time, evaluation time, confirmation time, etc.

OASIS or Primary Provider procedures should verify that the transmission reservation identified in RELATED_REF meets all the requirements to support the redirect of transmission rights to the new service points. This should include the validation that the current rights, the Capacity Available for Redirect, held on that reservation in the amount of the REDIRECT over time have not be encumbered by any other confirmed redirects, resales, schedules, etc. This capacity validation may occur at any point in the request process, but shall always be performed prior to setting the REDIRECT STATUS to CONFIRMED.

Once CONFIRMED, the transmission rights held on the RELATED_REF reservation in the amount of the REDIRECT shall be removed from the

Capacity Available for Redirect on that reservation. Should the Transmission Customer wish to restore the rights to schedule (or redirect, resell, etc.) under the RELATED_REF reservation, they must submit a RELINQUISH request to the Primary Provider to release the capacity held under the REDIRECT request and reinstate that capacity on the original service points. The Primary Provider must accommodate this release of capacity back to the original service points, and shall through OASIS or Primary Provider procedures insure that honoring this release of capacity and subsequent scheduling under the Transmission Customer's original firm reservation will not unduly cause a reliability problem.

The impact on ATC for the reservation identified by RELATED_REF and the impact of the REDIRECT transaction on ATC shall be accounted for to both preserve the ability of the Transmission Customer to return to the original firm path and reflect the fact that the redirected capacity on the RELATED_REF and REDIRECT reservations cannot be scheduled simultaneously.

The impact of the REDIRECT transaction on the reservation(s) identified by RELATED_REF shall be posted and viewable using the ***reduction*** template.

013-2.6.6 RELINQUISH Requests

The RELINQUISH request is submitted in association with a REDIRECT request on a non-firm basis to indicate the Transmission Customer's desire to return the capacity rights held on the REDIRECT to the parent reservation specified in the RELATED_REF of that REDIRECT request. The following are the specific requirements for the RELINQUISH request submitted via the ***transrequest*** template.

Data Element	Restriction/Requirement
REQUEST_TYPE	Must be RELINQUISH
RELATED_REF	Must specify the ASSIGNMENT_REF of a confirmed REDIRECT on a non-firm basis held by the ~~Customer~~Transmission Customer
SELLER_CODE	Must match PRIMARY_PROVIDER_CODE
SELLER_DUNS	Must match PRIMARY_PROVIDER_DUNS
PATH	Must represent the same corresponding service points in the reservation/request specified in RELATED_REF
POINT_OF_RECEIPT	
POINT_OF_DELIVERY	
SOURCE	
SINK	
SERVICE_INCREMENT	Must represent the same set of valid transmission service attributes specified in RELATED_REF
TS_CLASS	
TS_TYPE	
TS_PERIOD	
TS_WINDOW	
TS_SUBCLASS	
START_TIME	Must specify start of the interval for the release of capacity from RELATED_REF
STOP_TIME	Must specify stop/end of the interval for the release of capacity from RELATED_REF

Data Element	Restriction/Requirement
CAPACITY_REQUESTED	Must specify the capacity to be released from RELATED_REF over START_TIME to STOP_TIME interval and restored to the parent reservation (i.e., RELATED_REF's RELATED_REF)
PRECONFIRMED	Must be YES

Note: Elements are listed on basis of importance, which may be different from the order required in the template.

When accepted by the Primary Provider, OASIS or Primary Provider procedures must remove the capacity held on the REDIRECT reservation over the time interval specified, and reinstate that capacity to the ~~Capacity Available~~CAPACITY_AVAILABLE for ~~Redirect~~ REDIRECT of the parent firm reservation.

The combined impact of the REDIRECT and RELATED_REF reservations on ATC shall be reinstated to reflect the impact of the capacity relinquished back to the RELATED_REF reservation.

Note that the RELINQUISH request does not in itself represent a reservation for transmission service, but merely documents an action taken against an existing transmission service reservation.

013-2.6.7 RESALE Requests

RESALE requests may be submitted by the Transmission Customer (Assignee) to arrange for the sale or assignment of scheduling rights from another Transmission Customer (Reseller). Resellers and Assignees are not required to use OASIS to arrange for such sale or assignment of scheduling rights. However, the Reseller is required to notify the Primary Provider and post information documenting the (re)sale on the Primary Provider's OASIS where the rights were originally acquired.

The following are specific requirements for OASIS service requests with REQUEST_TYPE of RESALE. If REQUEST_TYPE is not specified by the ~~Customer~~Transmission Customer and SELLER_CODE and SELLER_DUNS are not the same as PRIMARY_PROVIDER_CODE and PRIMARY_PROVIDER_DUNS, OASIS shall default REQUEST_TYPE to RESALE.

013-2.6.7.1 RESALE on OASIS

Resale transactions conducted on OASIS shall adhere to the Basic OASIS Request Processing requirements where the Reseller is identified as the Seller and the Assignee identified as the Transmission Customer.

The Assignee (Transmission Customer) initiates the resale of scheduling rights by submitting the following required information on OASIS via the ***transrequest*** template. Data elements not listed are optional. There shall be no requirement

imposed by OASIS that the Reseller post any corresponding offer of service for sale on that OASIS.

Data Element	Restriction/Requirement
REQUEST_TYPE	Must be RESALE
SELLER_CODE	Must identify the Reseller (registered entity other than the Primary Provider)
SELLER_DUNS	Must identify the Reseller
PATH	Must represent the transmission service points being requested
POINT_OF_RECEIPT	
POINT_OF_DELIVERY	
SOURCE	
SINK	
SERVICE_INCREMENT	Must represent a set of valid transmission service attributes offered by the Primary Provider and being requested from the Reseller
TS_CLASS	
TS_TYPE	
TS_PERIOD	
TS_WINDOW	
TS_SUBCLASS	
START_TIME	Must specify the requested start of transmission service
STOP_TIME	Must specify the requested stop/end of transmission service
CAPACITY_REQUESTED	Must specify the amount of transmission capacity being requested
BID_PRICE	Should specify the price being requested; may be null

Note: Elements are listed on basis of importance, which may be different from the order required in the template.

If the RESALE meets all OASIS validation requirements, the RESALE request shall be posted on OASIS as a QUEUED transmission service request. It is the Reseller's obligation to respond to RESALE requests submitted to them on OASIS. Resellers may register for dynamic notification of these events if the Primary Provider's OASIS implementation provides for such functionality.

The Reseller may act on the RESALE request using any of the processes defined ~~for~~ in Section 2.3 Basic OASIS ~~Request Processing~~Transaction Handling, Section 2.6.1.1 Offering of Partial Service, and/or Section 2.6.1.2 Negotiation of Price. At some point in this process, the Reseller must identify those transmission service reservations whose scheduling rights are to be conferred to the Assignee as follows.

Data Element	Restriction/Requirement
REASSIGNED_REF	Collectively represent those confirmed transmission reservations held by the Reseller whose rights to schedule transmission capacity over time are to be conferred to the Assignee. Each reservation's service points and transmission service attributes must correspond with those specified in the RESALE request
REASSIGNED_CAPACITY	
REASSIGNED_START_TIME	
REASSIGNED_STOP_TIME	

Note: Elements are listed on basis of importance, which may be different from the order required in the template.

Business practices may dictate that this information be supplied and validated at the time the RESALE request STATUS is set to either ACCEPTED or COUNTEROFFER. Business practices may also dictate the types of services that may be resold and/or aggregated in support of the resale as referenced by the REASSIGNED_REF data element.

Once the RESALE request is finally CONFIRMED by the Assignee, OASIS or Primary Provider procedures should (again) insure that every reservation represented in the REASSIGNED_REF data element meet the following requirements:

- Represent valid confirmed transmission service reservations held by the Reseller
- There is sufficient unscheduled or otherwise encumbered (e.g., other RESALE, REDIRECT, etc., transactions) transmission capacity to meet REASSIGNED_CAPACITY over REASSIGNED_START_TIME to REASSIGNED_STOP_TIME
- Service points, e.g., PATH, etc., correspond correctly with those specified in the RESALE
- Transmission service attributes, e.g., TS_CLASS, etc., correspond correctly with those specified in the RESALE
- The sum of REASSIGNED_CAPACITY over time for all REASSIGNED_REF reservations satisfies the RESALE requirements as specified in CAPACITY_GRANTED, START_TIME and STOP_TIME.

If all of these requirements are met, OASIS or Primary Provider procedures shall convey the specified transmission rights from the Reseller's reservation to the Assignee's reservation. The transmission capacity resold shall not be available to the Reseller to schedule, resell, redirect, or otherwise use.

The impact of the RESALE transaction on the reservation(s) identified by REASSIGNED_REF shall be posted and viewable using the ***reduction*** template.

If the Primary Provider determines the posted RESALE does not comply with their business practices for such transactions, they shall have the right to reset the RESALE STATUS to ANNULLED. OASIS or Primary Provider procedures shall then reinstate all reassignments of capacity over time that were designated by the Assignee to the parent (REASSIGNED_REF) reservation(s) as appropriate. The Reseller setting the RESALE STATUS to DISPLACED or ANNULLED shall also reinstate all reassignments of capacity over time that were designated by the Assignee to the parent (REASSIGNED_REF) reservation(s) as appropriate.

013-2.6.7.2 RESALE off OASIS

Resale transactions arranged between Reseller and Assignee off OASIS must be documented on OASIS by the Reseller using the ***transassign*** template.

Transactions arranged off OASIS do not follow the basic request processing steps and shall be posted directly as CONFIRMED transactions.

The following information is required to be supplied by the Reseller.

Data Element	Restriction/Requirement
REQUEST_TYPE	Must be RESALE
CUSTOMER_CODE	Must identify the Assignee
CUSTOMER_DUNS	Must identify the Assignee
PATH	Must represent the same corresponding service points as contained in every one of the reservation/request(s) specified by REASSIGNED_REF
POINT_OF_RECEIPT	
POINT_OF_DELIVERY	
SOURCE	
SINK	
SERVICE_INCREMENT	Must represent the same corresponding transmission service attributes as contained in every one of the reservation/request(s) specified by REASSIGNED_REF
TS_CLASS	
TS_TYPE	
TS_PERIOD	
TS_WINDOW	
TS_SUBCLASS	
START_TIME	Must specify the start of transmission service arranged between Reseller and Assignee
STOP_TIME	Must specify the stop/end of transmission service arranged between Reseller and Assignee
CAPACITY_REQUESTED	Must be equal to the amount of capacity originally reserved/requested by the Assignee
CAPACITY_GRANTED	Must be equal to the amount of capacity ultimately resold to the Assignee
OFFER_PRICE	Must be the ultimate price arranged for service between Reseller and Assignee
REASSIGNED_REF	Collectively represent those confirmed transmission reservations held by the Reseller whose rights to schedule transmission capacity over time are to be conferred to the Assignee
REASSIGNED_CAPACITY	
REASSIGNED_START_TIME	
REASSIGNED_STOP_TIME	

Note: Elements are listed on basis of importance, which may be different from the order required in the template.

OASIS or Primary Provider procedures should insure that every reservation represented in the REASSIGNED_REF data element meets the following requirements:

- Represent valid confirmed transmission service reservations held by the Reseller
- There is sufficient unscheduled or otherwise encumbered (e.g., other RESALE, REDIRECT, etc., transactions) transmission capacity to meet REASSIGNED_CAPACITY over REASSIGNED_START_TIME to REASSIGNED_STOP_TIME
- Service points, e.g., PATH, etc., correspond correctly with those specified in the RESALE
- Transmission service attributes, e.g., TS_CLASS, etc., correspond correctly with those specified in the RESALE

- The sum of REASSIGNED_CAPACITY over time for all REASSIGNED_REF reservations satisfies the RESALE requirements as specified in CAPACITY_GRANTED, START_TIME and STOP_TIME.

Business practices may dictate the types of services that may be resold and/or aggregated in support of the resale as referenced by the REASSIGNED_REF data element.

If all of these requirements are met, OASIS or Primary Provider procedures shall convey the specified transmission rights from the Reseller's reservation to the Assignee's reservation. The transmission capacity resold shall not be available to the Reseller to schedule, resell, redirect, or otherwise use.

The impact of the RESALE transaction on the reservation(s) identified by REASSIGNED_REF shall be posted and viewable using the ***reduction*** template.

If the Primary Provider determines the posted RESALE does not comply with their business practices for such transactions, they shall have the right to reset the RESALE STATUS to ANNULLED. OASIS or Primary Provider procedures shall then reinstate all reassignments of capacity over time that were designated by the Assignee to the parent (REASSIGNED_REF) reservation(s) if appropriate. The Reseller setting the RESALE STATUS to DISPLACED or ANNULLED shall also reinstate all reassignments of capacity over time that were designated by the Assignee to the parent (REASSIGNED_REF) reservation(s) as appropriate.

013-3 SPECIFIC TEMPLATE IMPLEMENTATION

013-3.1 Registered Template Data Elements

Certain OASIS defined templates contain data elements that are identified as taking on values registered by the Primary Provider, e.g., r***eduction***, ***systemdata***, ***security***, etc. These registered values shall be included in the Energy Industry Registry when this registry is made publicly available.

In addition to public registration (when supported), each Primary Provider using a registered value for any OASIS data element shall provide information in their posted business practices as to each of these data element values along with a detailed description and example of how the data element will be used. This information shall be made available on OASIS.

013-3.2 *scheduledetail*

The ***scheduledetail*** template shall be used to post specific information related to the scheduled usage of reserved transmission service.

For (transmission) schedules derived from implemented electronic tags (e-Tags) submitted in accordance with the ~~NERC~~ North American Electric

Reliability Corporation (NERC) ~~e~~Electronic ~~t~~Tagging Functional ~~s~~Specification, (ver.1.8.0) the following information must be posted on OASIS.

From the physical path segment of the e-Tag associated with the Primary Provider:

Data Element	Restriction/Requirement
TRANSACTION_ID	The full e-Tag transaction identifier, including the GCA, creating PSE and LCA codes
PATH_NAME	Optional; defined by the Primary Provider based on POR/POD and transmission services used to support the schedule.
POINT_OF_RECEIPT	POR as identified in the e-Tag physical path
POINT_OF_DELIVERY	POD as identified in the e-Tag physical path
GCA_CODE	Registered acronym for the generating control area (balancing authority)
LCA_CODE	Registered acronym for the load control area (balancing authority)
SOURCE	Registered value of the source from the e-Tag located within the GCA
SINK	Registered value of the sink from the e-Tag located within the LCA
SCHEDULE_PRIORITY	The effective curtailment priority that will be used by the Primary Provider in assessing any curtailment action that may be taken against the schedule.
START_TIME/STOP_TIME	The time interval associated with the information associated with this segment of the schedule.
SCHEDULE_REQUESTED	The value from the PSE Market Level profile information contained in the e-Tag
SCHEDULE_GRANTED	The actual MW level to which the e-Tag was scheduled; for block schedules, SCHEDULE_GRANTED should always be the lower of SCHEDULE_REQUESTED and SCHEDULE_LIMIT; for dynamic schedules SCHEDULE_GRANTED may be higher than SCHEDULE_REQUESTED.

Note: Elements are listed on basis of importance, which may be different from the order required in the template.

For each start/stop segment of the posted schedule, the following information shall be provided for each transmission service reservation that is used to support that segment of the schedule. There may be one or more transmission service reservations used to support a given schedule segment. These "stacked" reservations shall be communicated through continuation records as defined in the OASIS S&CP (WEQ 002).

Data Element	Restriction/Requirement
ASSIGNMENT_REF	The unique OASIS identifier assigned to the reservation supporting the schedule
SELLER_CODE SELLER_DUNS	Identification of the ~~seller~~Seller as listed in the transmission service reservation

Data Element	Restriction/Requirement
CUSTOMER_CODE CUSTOMER_DUNS	Identification of the ~~seller~~ Transmission Customer as listed in the transmission service reservation
AFFILIATE_FLAG	Identification of the reservation as being made by an affiliate of the Primary Provider
SERVICE_INCREMENT TS_CLASS TS_TYPE TS_PERIOD TS_WINDOW TS_SUBCLASS NERC_CURTAILMENT_PRIORITY OTHER_CURTAILMENT_PRIORITY	The transmission service attributes and curtailment priority information as specified in the transmission service reservation
CAPACITY_USED	The actual MWs of reserved capacity used in support of the schedule derived from the transmission allocation information as specified in the e-Tag

Note: Elements are listed on basis of importance, which may be different from the order required in the template.

If the tagged transaction has been subject to a Reliability Adjustment the following information shall be supplied. This is typically, but not necessarily, indicated by SCHEDULE_GRANTED being less than SCHEDULE_REQUESTED.

Data Element	Restriction/Requirement
PROVIDER_ACTION	As specified in the OASIS Data Dictionary, text descriptive of the action being taken by the Primary Provider, e.g., CURTAILMENT.
SCHEDULE_LIMIT	The value of the Reliability Limit set against the tagged transaction by any Reliability Entity over this segment of the schedule
CURTAILMENT_OPTIONS	Optional; Primary Provider supplied description of options that may be available to the Transmission Ce~~c~~ustomer, such as redispatch
SECURITY_REF	Optional; If the reliability adjustment was the result of a security event that is posted on OASIS via the ***security*** template, this shall be set to the OASIS unique identifier assigned to that posting
INITIATING_PARTY RESPONSIBLE_PARTY PROCEDURE_NAME PROCEDURE_LEVEL FACILITY_LOCATION FACILITY_NAME FACILITY_CLASS FACILITY_LIMIT_TYPE	Optional; If the reliability adjustment was the result of a security event that is posted on OASIS via the ***security*** template, these data elements will be reported as they appear in that associated security event posting

Note: Elements are listed on basis of importance, which may be different from the order required in the template.

013-4 EXAMPLE IMPLEMENTATION

013-4.1 File Request and File Download Examples

The following standards provide examples for the implementation of file request and download interactions that must be supported by OASIS. In these examples, the end-of-line (eol) character is represented by the character," ↵ ". This symbol may appear different on displays or printouts. Note that any leading or trailing spaces within each data record shown were inserted to facilitate word-wrapping of long records and must not appear in the actual formatted data files returned by OASIS unless they are contained within double quotes.

013-4.1.1 File Example for Hourly Offering

Example of the request to Primary Provider, AAAaaa, and response for Seller, ~~wxyz~~WXYZ, for PATH_NAME "W/AAA~~A~~/~~PATH-~~ABC//" for April 10, 1996 from 8 a.m. to 3 p.m. (Note that the PATH_NAME consists of a REGION_CODE, PRIMARY_PROVIDER_CODE, PATH_CODE, and an OPTIONAL_CODE, separated with a slash, "/".)

The VERSION for this release is 1.4. The request is in the form of a URL query string and the response is an ASCII delimited file.

1. **Query**

   http://(OASIS Node name)/OASIS/AAA~~aaa~~/data/transoffering?
   ver=1.4~~2~~&templ=transoffering& fmt=data&pprov=AAA~~A~~
   &pprovduns=123456789& path=W/AAA/ABC//~~-~~&seller=WXYZ~~AA~~
   &sel~~ler~~duns=987654321& POR=aaa& POD=bbb&~~-~~servincre=hourly
   &~~-~~TSCLASS1=firm &TSCLASS2=non~~-~~firm&tz=PD
   &stime=19960410080000PD&sptime=~~-~~19960410150000PD

2. **Response Data**

   REQUEST-STATUS=200↵ (*Successful*)
   TIME_STAMP=19960409113526PD ↵
   VERSION=1.4↵
   TEMPLATE=transoffering↵
   OUTPUT_FORMAT=DATA ↵

   PRIMARY_PROVIDER_CODE=AAA~~A~~↵
   PRIMARY_PROVIDER_DUNS=123456789↵
   DATA_ROWS=14↵
   ~~COLUMN_HEADERS=TIME_OF_LAST_UPDATE,SELLER_CODE,SELLER_DUNS,PATH_NAME,~~

POINT_OF_RECEIPT,POINT_OF_DELIVERY,INTERFACE_TYPE,OFFER_START_TIME, OFFER_STOP_TIME,
START_TIME,STOP_TIME, CAPACITY, SERVICE_INCREMENT,
TS_CLASS, TS_TYPE, TS_PERIOD,
TS_SUBCLASS, SALE_REF, POSTING_REF, CEILING_PRICE,
OFFER_PRICE, PRICE_UNITS,
SERVICE_DESCRIPTION,SELLER_NAME,SELLER_PHONE,SELLER_FAX, SELLEREMAIL,
SELLER_COMMENTS ↵
19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960402080000PD,19960410080000PD,19960410
080000PD,19960410090000PD,300, HOURLY, FIRM,
POINT_TO_POINT, OFF_PEAK, N/A, N/A, A001,
1.50,1.35,MW,N/A,N/A,N/A,N/A,N/A,10% DISCOUNT ↵
19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960402080000PD,19960410080000PD,19960410
080000PD,19960410090000PD,300, HOURLY, NON-FIRM,
POINT_TO_POINT, OFF_PEAK, N/A, N/A,A001,1.50,
1.35,MW,N/A,N/A,N/A,N/A,N/A, 10% DISCOUNT ↵
19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960402080000PD,19960410080000PD,19960410
090000PD,19960410100000PD,300, HOURLY, FIRM,
POINT_TO_POINT, OFF_PEAK, N/A,
N/A,A001,1.50,1.35,MW,N/A,N/A,N/A,N/A,N/A,10% DISCOUNT ↵
19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960402080000PD,19960410080000PD,19960410
090000PD,19960410100000PD,300, HOURLY, NON-FIRM,
POINT_TO_POINT, OFF_PEAK, N/A, N/A,A001,1.50,
1.35,MW,N/A,N/A,N/A,N/A,N/A, 10% DISCOUNT ↵
19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960402080000PD,19960410080000PD,19960410
100000PD,19960410110000PD,300, HOURLY, FIRM,
POINT_TO_POINT, OFF_PEAK, N/A,
N/A,A001,1.50,1.35,MW,N/A,N/A,N/A,N/A,N/A,10% DISCOUNT ↵
19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960402080000PD,19960410080000PD,19960410
100000PD,19960410110000PD,300, HOURLY, NON-FIRM,
POINT_TO_POINT, OFF_PEAK, N/A, N/A,A001,1.50,
1.35,MW,N/A,N/A,N/A,N/A,N/A, 10% DISCOUNT ↵
19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960402080000PD,19960410080000PD,19960410
110000PD,19960410120000PD,300, HOURLY, FIRM,
POINT_TO_POINT, OFF_PEAK, N/A,
N/A,A001,1.50,1.35,MW,N/A,N/A,N/A,N/A,N/A,10% DISCOUNT ↵
19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960402080000PD,19960410080000PD,19960410
110000PD,19960410120000PD,300, HOURLY, NON-FIRM,
POINT_TO_POINT, OFF_PEAK, N/A, N/A,A001,1.50,
1.35,MW,N/A,N/A,N/A,N/A,N/A, 10% DISCOUNT ↵
…
…
…

~~19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960402080000PD,19960410080000PD,19960410140000PD,19960410150000PD,300, HOURLY, FIRM, POINT_TO_POINT, OFF_PEAK, N/A, N/A,A001,1.50,1.35,MW,N/A,N/A,N/A,N/A,N/A,10% DISCOUNT~~

~~19960409030000PD,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,19960402080000PD,19960410080000PD,19960410140000PD,19960410150000PD,300, HOURLY, NON-FIRM, POINT_TO_POINT, OFF_PEAK, N/A, N/A,A001,1.50, 1.35,MW,N/A,N/A,N/A,N/A,N/A, 10% DISCOUNT~~

COLUMN_HEADERS=TIME_OF_LAST_UPDATE, SELLER_CODE, SELLER_DUNS, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY,INTERFACE_TYPE, OFFER_START_TIME, OFFER_STOP_TIME, START_TIME, STOP_TIME, CAPACITY, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS, ANC_SVC_REQ, SALE_REF, POSTING_REF, CEILING_PRICE, OFFER_PRICE, PRICE_UNITS, SERVICE_DESCRIPTION, NERC_CURTAILMENT_PRIORITY, OTHER_CURTAILMENT_PRIORITY, SELLER_NAME, SELLER_PHONE, SELLER_FAX, SELLER_EMAIL, SELLER_COMMENTS.

19960409030000PD, WXYZ,987654321, W/AAA/ABC//, AAA, BBB, E, 19960402080000PD, 19960410080000PD, 19960410080000PD, 19960410090000PD,300, HOURLY, FIRM, POINT_TO_POINT, OFF_PEAK, FIXED,,, N/A,5673,1.5,1.35, $/MW-Hour,N/A,7, , WXYZ Marketer, 888-789-4321, , , 10% DISCOUNT

19960409030000PD, WXYZ,987654321, W/AAA/ABC//, AAA, BBB, E, 19960402080000PD, 19960410080000PD, 19960410080000PD, 19960410090000PD,300, HOURLY, NON-FIRM, POINT_TO_POINT, OFF_PEAK, FIXED,,, N/A,5675,1.5,1.35, $/MW-Hour,N/A,2, , WXYZ Marketer, 888-789-4321, , , 10% DISCOUNT

19960409030000PD, WXYZ,987654321, W/AAA/ABC//, AAA, BBB, E, 19960402080000PD, 19960410080000PD, 19960410090000PD, 19960410100000PD,300, HOURLY, FIRM, POINT_TO_POINT, OFF_PEAK, FIXED,,, N/A,5676,1.5,1.35, $/MW-Hour,N/A,7, , WXYZ Marketer, 888-789-4321, , , 10% DISCOUNT

19960409030000PD, WXYZ,987654321, W/AAA/ABC//, AAA, BBB, E, 19960402080000PD, 19960410080000PD, 19960410090000PD, 19960410100000PD,300, HOURLY, NON-FIRM, POINT_TO_POINT, OFF_PEAK, FIXED,,, N/A,5682,1.5,1.35, $/MW-Hour,N/A,2, , WXYZ Marketer, 888-789-4321, , , 10% DISCOUNT

19960409030000PD, WXYZ,987654321, W/AAA/ABC//, AAA, BBB, E, 19960402080000PD, 19960410080000PD, 19960410100000PD, 19960410110000PD,300, HOURLY, FIRM, POINT_TO_POINT, OFF_PEAK, FIXED,,, N/A,5688,1.5,1.35, $/MW-Hour,N/A,7, , WXYZ Marketer, 888-789-4321, , , 10% DISCOUNT

19960409030000PD, WXYZ,987654321, W/AAA/ABC//, AAA, BBB, E, 19960402080000PD, 19960410080000PD, 19960410100000PD, 19960410110000PD,300, HOURLY, NON-FIRM, POINT_TO_POINT, OFF_PEAK, FIXED,,, N/A,5689,1.5,1.35, $/MW-Hour,N/A,2, , WXYZ Marketer, 888-789-4321, , , 10% DISCOUNT

19960409030000PD, WXYZ,987654321, W/AAA/ABC//, AAA, BBB, E, 19960402080000PD, 19960410080000PD, 19960410110000PD, 19960410120000PD,300, HOURLY, FIRM, POINT_TO_POINT, OFF_PEAK, FIXED,,, N/A,5693,1.5,1.35, $/MW-Hour,N/A,7, , WXYZ Marketer, 888-789-4321, , , 10% DISCOUNT↵
19960409030000PD, WXYZ,987654321, W/AAA/ABC//, AAA, BBB, E, 19960402080000PD, 19960410080000PD, 19960410110000PD, 19960410120000PD,300, HOURLY, NON-FIRM, POINT_TO_POINT, OFF_PEAK, FIXED,,, N/A,5694,1.5,1.35, $/MW-Hour,N/A,2, , WXYZ Marketer, 888-789-4321, , , 10% DISCOUNT↵
. . .
. . .
. . .
19960409030000PD, WXYZ,987654321, W/AAA/ABC//, AAA, BBB, E, 19960402080000PD, 19960410080000PD, 19960410140000PD, 19960410150000PD,300, HOURLY, FIRM, POINT_TO_POINT, OFF_PEAK, FIXED,,, N/A,5699,1.5,1.35, $/MW-Hour,N/A,7, , WXYZ Marketer, 888-789-4321, , , 10% DISCOUNT↵
19960409030000PD, WXYZ,987654321, W/AAA/ABC//, AAA, BBB, E, 19960402080000PD, 19960410080000PD, 19960410140000PD, 19960410150000PD,300, HOURLY, NON-FIRM, POINT_TO_POINT, OFF_PEAK, FIXED,,, N/A,5702,1.5,1.35, $/MW-Hour,N/A,2, , WXYZ Marketer, 888-789-4321, , , 10% DISCOUNT↵

013-4.1.2 File Example for Hourly Schedule Data

This example shows a request for the hourly schedule data from Primary Provider, AAAA, related to the ~~seller~~Seller, WXYZ, for the period 10 a.m. to 3 p.m. on April 10, 2000.

There are two identical requests examples using two slightly different methods. The first request is using a HTTP URL request string through an HTML GET method. The second request is a similar example using fetch_http from a file using a POST method.

1. **Query**

   URL Request (HTTP method=GET)
   http:///(OASIS Node name)/OASIS/aaaa/data/scheduledetail? ver=1.4& pprov=AAAA& templ=scheduledetail& fmt=data &pprovduns=123456789 &path=W/AAA/ABC//& seller=WXYZ &por=BBB &pod=CCC& tz=PD& stime=20000410100000PD& sptime=20000410150000PD

   URL Request (HTTP method=POST)
   $ fetch_http http:///(OASIS Node name)/OASIS/aaaa/data/OASISdata -f *c:/OASIS/wxyz/upload/infile. txt* Where *in-file.txt* contains the following:
   ver=1.4& pprov=AAAA& templ=scheduledetail& fmt=data &pprovduns=123456789 &path=W/AAA/ABC//& seller=WXYZ &por=BBB &pod=CCC& tz=PD& stime=20000410100000PD& sptime=20000410150000PD

2. Response Data

REQUEST_STATUS=200↵
ERROR_MESSAGE=No error. ↵
TIME_STAMP=20000410160523ES↵
VERSION=1.4↵
TEMPLATE=scheduledetail↵
OUTPUT_FORMAT=DATA↵
PRIMARY_PROVIDER_CODE=AAA~~A~~↵
PRIMARY_PROVIDER_DUNS=123456789↵
RETURN_TZ=PD↵
DATA_ROWS=3 ↵
COLUMN_HEADERS=CONTINUATION_FLAG,
TIME_OF_LAST_UPDATE, SCHEDULE_REF, TRANSACTION_ID,
PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY,
GCA_CODE, LCA_CODE, SOURCE, SINK, SCHEDULE_PRIORITY,
START_TIME, STOP_TIME, SCHEDULE_REQUESTED,
SCHEDULE_GRANTED, ASSIGNMENT_REF, SELLER_CODE,
SELLER_DUNS, CUSTOMER_CODE, CUSTOMER_DUNS,
AFFILIATE_FLAG, SERVICE_INCREMENT, TS_CLASS, TS_TYPE,
TS_PERIOD, TS_WINDOW, TS_SUBCLASS,
NERC_CURTAILMENT_PRIORITY,
OTHER_CURTAILMENT_PRIORITY, CAPACITY_USED,
PROVIDER_ACTION, SCHEDULE_LIMIT, CURTAILMENT_OPTIONS,
SECURITY_REF, INITIATING_PARTY, RESPONSIBLE_PARTY,
PROCEDURE_NAME, PROCEDURE_LEVEL, FACILITY_LOCATION,
FACILITY_NAME, FACILITY_CLASS, FACILITY_LIMIT_TYPE ↵
N, 20000409030000PD,12345, BBB_MKTATAGCODE_CCC,
W/AAA/ABC//, BBB, CCC, BBB,CCC,GENX,LOADY,2,
20000410100000PD, 20000410110000PD,280,280,856743,
wxyz,987654321, WXYZAA,987654322, Y, HOURLY, NON_FIRM,
POINT_TO_POINT, OFF_PEAK, FIXED, ,2, ,300,,,,,,,,,,, ↵
N, 20000409030000PD,12346, BBB_MKTATAGCODE_CCC,
W/AAA/ABC//, BBB, CCC, BBB,CCC,GENX,LOADY,2,
20000410130000PD,
20000410140000PD,295,295,856743,wxyz,987654321,
WXYZAA,987654322, Y, HOURLY, NON_FIRM, POINT_TO_POINT,
OFF_PEAK, FIXED, ,2, ,300,,,,,,,,,, ↵
N, 20000409030000PD,12347, BBB_MKTATAGCODE_CCC,
W/AAA/ABC//, BBB, CCC, BBB,CCC,GENX,LOADY,2,
20000410140000PD,
20000410150000PD,300,300,856743,wxyz,987654321,
WXYZAA,987654322, Y, HOURLY, NON_FIRM, POINT_TO_POINT,
OFF_PEAK, FIXED, ,2, ,300,,,,,,,,,,↵

~~COLUMN_HEADERS=CONTINUATION_FLAG,~~
~~TIME_OF_LAST_UPDATE, SCHEDULE_REF, TRANSACTION_ID,~~
~~PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY,~~
~~GCA_CODE, LCA_CODE, SOURCE, SINK, SCHEDULE_PRIORITY,~~
~~START_TIME, STOP_TIME, SCHEDULE_REQUESTED,~~
~~SCHEDULE_GRANTED, ASSIGNMENT_REF, SELLER_CODE,~~
~~SELLER_DUNS, CUSTOMER_CODE, CUSTOMER_DUNS,~~

~~AFFILIATE_FLAG, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS, NERC_CURTAILMENT_PRIORITY, OTHER_CURTAILMENT_PRIORITY, CAPACITY_USED, PROVIDER_ACTION, SCHEDULE_LIMIT, CURTAILMENT_OPTIONS, SECURITY_REF, INITIATING_PARTY, RESPONSIBLE_PARTY, PROCEDURE_NAME, PROCEDURE_LEVEL, FACILITY_LOCATION, FACILITY_NAME, FACILITY_CLASS, FACILITY_LIMIT_TYPE↵~~
~~N, 20000409030000PD,12345,2233, W/AAA/ABC//, BBB, CCC,,,,,1, 20000410100000PD, 20000410110000PD,300,300,856743, wxyz,987654321, WXYZAA,987654322, Y, HOURLY, NON_FIRM, POINT_TO_POINT, OFF_PEAK, FIXED,,1,1,300,,,,,,,,,,,,↵~~
~~N, 20000409030000PD,12346,2233, W/AAA/ABC//, BBB, CCC,,,,,1, 20000410130000PD, 20000410140000PD,300,300,856743,wxyz,987654321, WXYZAA,987654322, Y, HOURLY, NON_FIRM, POINT_TO_POINT, OFF_PEAK, FIXED,,1,1,300,,,,,,,,,,,,↵~~
~~N, 20000409030000PD,12347,2233, W/AAA/ABC//, BBB, CCC,,,,,1, 20000410140000PD, 20000410150000PD,300,300,856743,wxyz,987654321, WXYZAA,987654322, Y, HOURLY, NON_FIRM, POINT_TO_POINT, OFF_PEAK, FIXED,,1,1,300,,,,,,,,,,,,↵~~

013-4.1.3 ~~Customer~~Transmission Customer Posting a Transmission Service Offering

This example shows how a ~~Customer~~Transmission Customer would post for sale the transmission service that was purchased previously. The Seller would create a file and upload the file using the FETCH_HTTP program to send a file to the OASIS Node of the Primary Provider.

1. **Input:**

VERSION=1.4↵
TEMPLATE=transpost↵
OUTPUT_FORMAT=DATA ↵
PRIMARY_PROVIDER_CODE=AAA~~A~~↵
PRIMARY_PROVIDER_DUNS=123456789↵
DATA_ROWS=1↵
~~COLUMN_HEADERS=PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, INTERFACE_TYPE, CAPACITY, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_SUBCLASS, START_TIME, STOP_TIME, OFFER_START_TIME, OFFER_STOP_TIME, SALE_REF, OFFER_PRICE, SERVICE_DESCRIPTION, SELLER_COMMENTPF↵~~
~~WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,150, HOURLY, FIRM, POINT_TO_POINT, OFF_PEAK, N/A,, 19960402080000PD,19960410080000PD, 19960410080000PD,19960410150000PD, A123,.90,N/A,"As Joe said, ""It is a good buy""""↵~~COLUMN_HEADERS=PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, INTERFACE_TYPE, CAPACITY, SERVICE_INCREMENT, TS_CLASS, TS_TYPE,

TS_PERIOD, TS_WINDOW, TS_SUBCLASS, ANC_SVC_REQ, START_TIME, STOP_TIME, OFFER_START_TIME, OFFER_STOP_TIME, SALE_REF, OFFER_PRICE, SERVICE_DESCRIPTION, SELLER_COMMENTS.↵
W/AAA/ABC//, , , E,150, HOURLY, FIRM, POINT_TO_POINT, OFF_PEAK, FIXED,,, 19960402080000PD, 19960410080000PD, 19960410080000PD,19960410150000PD, A123,0.9,N/A,"As Joe said, ""It is a good buy""".↵

FETCH_HTTP Command to send posting $ fetch_http http:///(OASIS Node name)/OASIS/AAA~~abcd~~/data/transrequest -f c:/OASIS/AAA~~abcd~~/upload/*post.txt*

2. Response Data

REQUEST-STATUS=200 ↵ (*Successful*)
TIME_STAMP=19960409113526PD ↵
VERSION=1.4.↵
TEMPLATE=transpost.↵
OUTPUT_FORMAT=DATA ↵
PRIMARY_PROVIDER_CODE=AAA~~A~~.↵
PRIMARY_PROVIDER_DUNS=123456789.↵
DATA_ROWS=1.↵
COLUMN_HEADERS=RECORD_STATUS, POSTING_REF, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, INTERFACE_TYPE, CAPACITY, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS, ANC_SVC_REQ, START_TIME, STOP_TIME, OFFER_START_TIME, OFFER_STOP_TIME, SALE_REF, OFFER_PRICE, SERVICE_DESCRIPTION, SELLER_COMMENTS, ERROR_MESSAGE.↵
200,3748123, W/AAA/ABC//, , , E,150, HOURLY, FIRM, POINT_TO_POINT, OFF_PEAK, FIXED,,, 19960402080000PD, 19960410080000PD, 19960410080000PD,19960410150000PD, A123,0.9,N/A,"As Joe said, ""It is a good buy""", No Error.↵
~~COLUMN_HEADERS=RECORD_STATUS, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, INTERFACE_TYPE, CAPACITY, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_SUBCLASS, START_TIME, STOP_TIME, OFFER_START_TIME, OFFER_STOP_TIME, SALE_REF, OFFER_PRICE, SERVICE_DESCRIPTION, SELLER_COMMENTS, ERROR_MESSAGE.↵~~
~~200,WXYZ,987654321,W/AAA/ABC//,N/A,N/A,E,150, HOURLY, FIRM, POINT_TO_POINT, OFF_PEAK, N/A, 19960402080000PD,19960410080000PD, 19960410080000PD,19960410150000PD, A123,.90,N/A, "As Joe said, ""It is a good buy""", No Error.↵~~

013-4.1.4 Example of Re-aggregating Purchasing Services using Reassignment

The following examples do not show the complete ~~T~~template information, but only shows data values for those elements of the t~~T~~emplate of interest to the example.

a. ~~Customer~~Transmission Customer #1, "BestE" requests the purchase of 150 MW Firm ATC for 8 a.m. to 5 p.m. for $1.00 from a Primary Provider (*transrequest*).

TEMPLATE=~~"~~"transrequest~~"~~"↵
CUSTOMER_CODE=~~"~~"BestE~~"~~"↵
CAPACITY=150↵
TS_CLASS=~~"~~"FIRM~~"~~"↵
START_TIME=~~"~~"1996050708000000PD~~"~~"↵
STOP_TIME=~~"~~"1996050717000000PD~~"~~"↵
BID_PRICE=~~"~~"$1.00~~"~~"↵
The ~~Information Provider~~OASIS assigns ASSIGNMENT_REF = 5000 on acknowledgment.

b. ~~Customer~~Transmission Customer #1 purchases 120 MW ATC Non-firm for 3 p.m. to 9 p.m. for $.90 (***transrequest***). The ~~Information Provider~~OASIS assigns the ASSIGNMENT_REF=5001 when the request for purchase is made and is shown in the acknowledgment.

TEMPLATE=~~"~~"transrequest~~"~~"↵
CUSTOMER_CODE=~~"~~"BestE~~"~~"↵
CAPACITY=120↵
TS_CLASS=~~"~~"NON-FIRM~~"~~"↵
START_TIME=~~"~~"1996050715000000PD~~"~~"↵
STOP_TIME=~~"~~"1996050721000000PD~~"~~"↵
BID_PRICE=~~"~~"$1.05~~"~~"↵

c. ~~Customer~~Transmission Customer #1 becomes Seller #1 and post the Transmission service of 100 MW ATC Non-firm capacity from 8 a.m. to 9 p.m. for resale at $.90/MW-hour.

TEMPLATE=~~"~~"transpost~~"~~"↵
SELLER_CODE=~~"~~"BestE~~"~~"↵
CAPACITY=100↵
TS_CLASS=~~"~~"NON-FIRM~~"~~"↵
START_TIME=~~"~~"1996050708000000PD~~"~~"↵
STOP_TIME=~~"~~"1996050721000000PD~~"~~"↵
SALE_REF=~~"~~"BEST100~~"~~"↵
OFFER_PRICE=.90↵
SELLER_COMMENTS=~~"~~"aggregating two previous purchases~~"~~"↵

d. ~~Customer~~Transmission Customer #2 then requests purchase of 100 MW Non-firm from Reseller #1 from 8 a.m. to 6 p.m. for $0.90/MW-hour (***transrequest***).

TEMPLATE=~~"~~"transrequest~~"~~"↵
CUSTOMER_CODE=~~"~~"Whlsle~~"~~"↵
SELLER_CODE=~~"~~"BestE~~"~~"↵
CAPACITY=100↵
TS_CLASS=~~"~~"NON-FIRM~~"~~"↵
START_TIME=~~"~~"1996050708000000PD~~"~~"↵
STOP_TIME=~~"~~"1996050721000000PD~~"~~"↵

SALE_REF="BEST100"
DEAL_REF="WPC100"
BID_PRICE=.90
CUSTOMER_COMMENTS="Only need service until 6 p.m."

The ~~Information Provider~~OASIS provides the ASSIGNMENT_REF=5002 for this transaction.

e. Seller informs the ~~Information~~ Primary Provider of the reassignment of the previous transmission rights when the S~~s~~eller accepts the Transmission ~~c~~Customer purchase request (***transsell***).

TEMPLATE="transsell"
CUSTOMER_CODE="Whlsle"
SELLER_CODE="BestE"
ASSIGNMENT_REF=5002
STATUS="Accepted"
REASSIGNED_REF1=5000
REASSIGNED_CAPACITY1=100
REASSIGNED_START_TIME1="199605070800PD"
REASSIGNED_STOP_TIME1="199605071700PD"
REASSIGNED_REF2=5001
REASSIGNED_CAPACITY2=100
REASSIGNED_START_TIME2="199605071700PD"
REASSIGNED_STOP_TIME2="199605071800PD"

013-4.1.5 File Examples of the Use of Continuation Records

a. Basic Continuation Records

The first example of the use of Continuation Records is for the ***transrequest*** ~~T~~template submitted by a Transmission Customer~~Seller~~ for purchase of a transmission reservation spanning 16 hours from 06:00 to 22:00 with "ramped" demand at beginning and end of time period. Two additional reservations appear prior to and following the profile to demonstrate the handling of ASSIGNMENT_REF by the OASIS Node.

Only the following fields may be redefined in a continuation record for the ***transrequest*** ~~T~~template: CAPACITY_GRANTED, START_TIME, STOP_TIME. Specification of any values corresponding to COLUMN_HEADER~~S~~s other than CAPACITY-GRANTED, START_TIME, and STOP_TIME will be ignored, however commas must be included to properly align the CAPACITY_GRANTED, START_TIME and STOP_TIME fields.

Input:

VERSION=1.4
TEMPLATE=transrequest
OUTPUT_FORMAT=DATA
PRIMARY_PROVIDER_CODE=AEP
PRIMARY_PROVIDER_DUNS=123456789
RETURN_TZ=ES

DATA_ROWS=7↵
~~COLUMN_HEADERS=CONTINUTATION_FLAG,~~
~~SELLER_CODE,SELLER_DUNS, PATH_NAME, POINT_OF_RECEIPT,~~
~~POINT_OF_DELIVERY, SOURCE, SINK,CAPACITY_REQUESTED,~~
~~SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD,~~
~~TS_WINDOW, TS_SUBCLASS,~~
~~STATUS_NOTIFICATION,START_TIME,STOP_TIME,BID_PRICE,~~
~~PRECONFIRMED, ANC_SVC_LNK, POSTING_REF, SALE_REF,~~
~~REQUEST_REF, DEAL_REF, CUSTOMER_COMMENTS,~~
~~REQUEST_TYPE,REASSIGNED_REF.↵~~
~~N, AEP,123456789, ABC/XY, CE, MECS,,,35, DAILY, FIRM,~~
~~POINT_TO_POINT, FULL_PERIOD, FIXED,,~~
~~pub/AEP/incoming,20000423000000ES,20000424000000ES,24.5, Y,~~
~~SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, P0123 ,~~
~~S123, R765, D123, Standard daily reservation, ORIGINAL,↵~~
~~N, AEP,123456789, ABC/XY, CE, AMPO,,,5, HOURLY, NON-FIRM,~~
~~POINT_TO_POINT, FULL_PERIOD, FIXED,,~~
~~pub/AEP/incoming,20000423060000ES,20000423070000ES,2.5, Y,~~
~~SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, P0123 ,~~
~~S123, R765, D123, First piece of profile spanning 5 records, ORIGINAL,↵~~
~~Y,,,,,,,,10,,,,,,, ,20000423070000ES,20000423080000ES,,,,,,,, Second~~
~~piece,,↵~~
~~Y,,,,,,,,15,,,,,,, ,20000423080000ES,20000423200000ES,,,,,,,, Third piece,,~~
~~↵~~
~~Y,,,,,,,,10,,,,,,, ,20000423200000ES,20000423210000ES,,,,,,,, Fourth~~
~~piece,,↵~~
~~Y,,,,,,,,5,,,,,,, ,20000423210000ES,20000423220000ES,,,,,,,, Fifth piece,,↵~~
~~N, AEP,123456789, ABC/XY, CE, MECS,, ,20, HOURLY, NON-FIRM,~~
~~POINT_TO_POINT, FULL_PERIOD, FIXED,,~~
~~pub/AEP/incoming,20000423040000ES,20000423160000ES,2, Y,~~
~~SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, P0123 ,~~
~~S123, R765, D123, Standard hourly reservation after profiled reservation,~~
~~ORIGINAL,↵~~
COLUMN_HEADERS=RECORD_STATUS, CONTINUATION_FLAG,
ASSIGNMENT_REF, SELLER_CODE,SELLER_DUNS, PATH_NAME,
POINT_OF_RECEIPT, POINT_OF_DELIVERY, SOURCE,
SINK,CAPACITY_REQUESTED, SERVICE_INCREMENT, TS_CLASS,
TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS,
STATUS_NOTIFICATION,START_TIME,STOP_TIME,BID_PRICE,
PRECONFIRMED, ANC_SVC_LNK, POSTING_REF, SALE_REF,
REQUEST_REF, DEAL_REF, CUSTOMER_COMMENTS,
REQUEST_TYPE, RELATED_REF,ERROR_MESSAGE.↵
200, N,4389255, AEP,123456789, ABC/XY, CE, MECS,,,35, DAILY, FIRM,
POINT_TO_POINT, FULL_PERIOD, FIXED,, pub/AEP/incoming,
20000423000000ES, 20000424000000ES,24.5, Y,
SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, P0123 ,
S123, R765, D123, Standard daily reservation, ORIGINAL,, No Error.↵
200, N,4389258, AEP,123456789, ABC/XY, CE, AMPO,,,5, HOURLY,
NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,,
pub/AEP/incoming, 20000423060000ES, 20000423070000ES,2.5, Y,
SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, P0123 ,

S123, R765, D123, First piece of profile spanning 5 records, ORIGINAL,, No Error.↵
200, Y,4389258,,,,,,,10,,,,,, , 20000423070000ES, 20000423080000ES,,,,,,,,,, No Error.↵
200, Y,4389258,,,,,,,15,,,,,, , 20000423080000ES, 20000423200000ES,,,,,,,,,, No Error.↵
200, Y,4389258,,,,,,,10,,,,,, , 20000423200000ES, 20000423210000ES,,,,,,,,,, No Error.↵
200, Y,4389258,,,,,,,5,,,,,, , 20000423210000ES, 20000423220000ES,,,,,,,,,, No Error.↵
200, N,4389264, AEP,123456789, ABC/XY, CE, MECS, , ,20, HOURLY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, pub/AEP/incoming, 20000423040000ES, 20000423160000ES,2, Y, SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, P0123 , S123, R765, D123, Standard hourly reservation after profiled reservation, ORIGINAL,, No Error.↵

Response:

REQUEST_STATUS=200.↵
ERROR_MESSAGE=Successfully updated. ↵
TIME_STAMP=20000422160523ES.↵
VERSION=1.4.↵
TEMPLATE=transrequest.↵
OUTPUT_FORMAT=DATA.↵
PRIMARY_PROVIDER_CODE=AEP.↵
PRIMARY_PROVIDER_DUNS=123456789.↵
RETURN_TZ=ES.↵
DATA_ROWS=7.↵
COLUMN_HEADERS=RECORD_STATUS, CONTINUATION_FLAG, SELLER_CODE,SELLER_DUNS, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, SOURCE, SINK,CAPACITY_REQUESTED, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS, STATUS_NOTIFICATION,START_TIME,STOP_TIME,BID_PRICE, PRECONFIRMED, ANC_SVC_LNK, POSTING_REF, SALE_REF, REQUEST_REF, DEAL_REF, CUSTOMER_COMMENTS, REQUEST_TYPE, RELATED_REF,ERROR_MESSAGE.↵
200, N, AEP,123456789, ABC/XY, CE, MECS,,,35, DAILY, FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, pub/AEP/incoming, 20000423000000ES, 20000424000000ES,24.5, Y, SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, P0123 , S123, R765, D123, Standard daily reservation, ORIGINAL,, No Error.↵
200, N, AEP,123456789, ABC/XY, CE, AMPO,,,5, HOURLY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, pub/AEP/incoming, 20000423060000ES, 20000423070000ES,2.5, Y, SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, P0123 , S123, R765, D123, First piece of profile spanning 5 records, ORIGINAL,, No Error.↵
200, Y,,,,,,,10,,,,,, , 20000423070000ES, 20000423080000ES,,,,,,,,,, No Error.↵

200, Y,,,,,,,,15,,,,,,, , 20000423080000ES, 20000423200000ES,,,,,,,,,, No Error.↵
200, Y,,,,,,,,10,,,,,,, , 20000423200000ES, 20000423210000ES,,,,,,,,,, No Error.↵
200, Y,,,,,,,,5,,,,,,, , 20000423210000ES, 20000423220000ES,,,,,,,,,, No Error.↵
200, N, AEP,123456789, ABC/XY, CE, MECS, , ,20, HOURLY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, pub/AEP/incoming, 20000423040000ES, 20000423160000ES,2, Y, SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, P0123 , S123, R765, D123, Standard hourly reservation after profiled reservation, ORIGINAL,, No Error.↵
~~COLUMN_HEADERS=RECORD_STATUS, CONTINUTATION_FLAG, ASSIGNMENT_REF, SELLER_CODE,SELLER_DUNS, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, SOURCE, SINK,CAPACITY_REQUESTED, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD, TS_WINDOW, TS_SUBCLASS, STATUS_NOTIFICATION,START_TIME,STOP_TIME,BID_PRICE, PRECONFIRMED, ANC_SVC_LNK, POSTING_REF, SALE_REF, REQUEST_REF, DEAL_REF, CUSTOMER_COMMENTS, REQUEST_TYPE,REASSIGNED_REF, ERROR_MESSAGE.↵~~
~~200,N,8234, AEP,123456789, ABC/XY, CE, MECS,,,35, DAILY, FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, pub/AEP/incoming,20000423000000ES,20000424000000ES,24.5, Y, SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, P0123 , S123, R765, D123, Standard daily reservation, ORIGINAL,, No error.↵~~
~~200,N,8235, AEP,123456789, ABC/XY, CE, AMPO,,,5, HOURLY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, pub/AEP/incoming,20000423060000ES,20000423070000ES,2.5, Y, SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, P0123 , S123, R765, D123, First piece of profile spanning 5 records, ORIGINAL,, No error.↵~~
~~200,Y,8235,,,,,,,,10,,,,,,,,20000423070000ES,20000423080000ES,,,,,,,, Second piece,,, No error.↵~~
~~200,Y,8235,,,,,,,,15,,,,,,,,20000423080000ES,20000423200000ES,,,,,,,, Third piece,,, No error.↵~~
~~200,Y,8235,,,,,,,,10,,,,,,,,20000423200000ES,20000423210000ES,,,,,,,, Fourth piece,,, No error.↵~~
~~200,Y,8235,,,,,,,,5,,,,,,,,20000423210000ES,20000423220000ES,,,,,,,, Fifth piece,,, No error.↵~~
~~200,N,8236, AEP,123456789, ABC/XY, CE, MECS,,,20, HOURLY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, pub/AEP/incoming,20000423040000ES,20000423160000ES,2, Y, SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, P0123 , S123, R765, D123, Standard hourly reservation after profiled reservation, ORIGINAL,, No error.↵~~

b. Submission of Reassignment Information - Case 1:

~~In the prior example, A~~ a reservation request was submitted to the "Reseller" by "the Transmission Customer" for 20MW of Hourly Non-firm service from 04:00 to 16:00. Assume that Reseller has previously reserved

service for the CE-VP path for Daily Firm in amount of 50 MW on 4/23 under ASSIGNMENT_REF=7019, and Hourly Non-Firm in amount of 10 MW from 08:00 to 20:00 on ~~4/23~~April 23, 2000, under ASSIGNMENT_REF=7880. Reseller must designate which transmission service rights are to be reassigned to Transmission Customer to satisfy the 20MW from 04:00 to 16:00. This reassignment information is conveyed by Reseller using the ***transsell*** ~~T~~template when the reservation request is ACCEPTED. At the SELLER's discretion, rights are assigned from the Non-firm reservation first (ASSIGNMENT_REF=7880) with the balance taken up by the Firm reservation (ASSIGNMENT_REF=7019).
The only fields allowed in "continuation" records for ***transsell*** ~~T~~template are REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME. Price may not be negotiated for each "segment" in a capacity profile.

Input:

VERSION=1.4↵
TEMPLATE=transsell↵
OUTPUT_FORMAT=DATA↵
PRIMARY_PROVIDER_CODE=AEP↵
PRIMARY_PROVIDER_DUNS=123456789↵
RETURN_TZ=ES↵
DATA_ROWS=3↵
~~COLUMN_HEADERS=CONTINUATION_FLAG,ASSIGNMENT_REF, START_TIME, STOP_TIME,OFFER_PRICE,CAPACITY_GRANTED, STATUS, STATUS_COMMENTS, ANC_SVC_LINK, ANC_SVC_REQ, NEGOTIATED_PRICE_FLAG, SELLER_REF, SELLER_COMMENTS, RESPONSE_TIME_LIMIT,REASSIGNED_REF,REASSIGNED_CAPACITY , REASSIGNED_START_TIME , REASSIGNED_STOP_TIME↵~~
~~N,8236, 20000423040000ES, 20000423160000ES,2.5,20, ACCEPTED, Status comments here,~~
~~SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, SC:M;RV:M;RF:U;EI:U;SP:U;SU:U;,, S123, Seller comments here,,7019,20, 20000423040000ES, 20000423080000ES↵~~
~~Y,8236,,, ,, , , ,,,, ,,7880,10, 20000423080000ES, 20000423160000ES↵~~
~~Y,8236,,, ,, , , ,,,, ,,7019,10, 20000423080000ES, 20000423160000ES↵~~
COLUMN_HEADERS=CONTINUATION_FLAG, ASSIGNMENT_REF, START_TIME, STOP_TIME, OFFER_PRICE, CAPACITY_GRANTED, STATUS, STATUS_COMMENTS, ANC_SVC_LINK, ANC_SVC_REQ, COMPETING_REQUEST_FLAG, NEGOTIATED_PRICE_FLAG, SELLER_REF, SELLER_COMMENTS, RESPONSE_TIME_LIMIT, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, REASSIGNED_STOP_TIME↵
N,8236, 20000423040000ES, 20000423160000ES,2.5,20, ACCEPTED, Status comments here,
SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, SC:M;RV:M;RF:U;EI:U;SP:U;SU:U;, N,, S123, Seller comments here,,7019,20, 20000423040000ES, 20000423080000ES↵
Y,8236,,, ,, , , ,,,,, ,,7880,10, 20000423080000ES, 20000423160000ES↵
Y,8236,,, ,, , , ,,,,, ,,7019,10, 20000423080000ES, 20000423160000ES↵

Response:

REQUEST_STATUS=200↵
ERROR_MESSAGE=Successfully updated. ↵
TIME_STAMP=20000422160523ES↵
VERSION=1.4↵
TEMPLATE=transsell↵
OUTPUT_FORMAT=DATA↵
PRIMARY_PROVIDER_CODE=AEP↵
PRIMARY_PROVIDER_DUNS=123456789↵
RETURN_TZ=ES↵
DATA_ROWS=3↵
COLUMN_HEADERS=RECORD_STATUS, CONTINUATION_FLAG, ASSIGNMENT_REF, START_TIME, STOP_TIME, OFFER_PRICE, CAPACITY_GRANTED, STATUS, STATUS_COMMENTS, ANC_SVC_LINK, ANC_SVC_REQ, COMPETING_REQUEST_FLAG, NEGOTIATED_PRICE_FLAG, SELLER_REF, SELLER_COMMENTS, RESPONSE_TIME_LIMIT, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, REASSIGNED_STOP_TIME, ERROR_MESSAGE↵
200,N,8236, 20000423040000ES, 20000423160000ES,2.5,20, ACCEPTED, Status comments here, SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, SC:M;RV:M;RF:U;EI:U;SP:U;SU:U;, N,, S123, Seller comments here,,7019,20, 20000423040000ES, 20000423080000ES, No Error↵
200,Y,8236,,, ,, , , ,,,,, ,,7880,10, 20000423080000ES, 20000423160000ES, No Error↵
200,Y,8236,,, ,, , , ,,,,, ,,7019,10, 20000423080000ES, 20000423160000ES, No Error↵
~~COLUMN_HEADERS=RECORD_STATUS,CONTINUATION_FLAG,ASSIGNMENT_REF, START_TIME, STOP_TIME,OFFER_PRICE,CAPACITY_GRANTED, STATUS, STATUS_COMMENTS, ANC_SVC_LINK, ANC_SVC_REQ, NEGOTIATED_PRICE_FLAG, SELLER_REF, SELLER_COMMENTS, RESPONSE_TIME_LIMIT,REASSIGNED_REF,REASSIGNED_CAPACITY, REASSIGNED_START_TIME , REASSIGNED_STOP_TIME, ERROR_MESSAGE↵~~
~~N,,8236, 20000423040000ES, 20000423160000ES,2.5,20, ACCEPTED, Status comments here, SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, SC:M;RV:M;RF:U;EI:U;SP:U;SU:U;,, S123, Seller comments here,,7019,20, 20000423040000ES, 20000423080000ES, No error↵~~
~~Y,,8236,,, ,, , , ,,,,, ,,7880,10, 20000423080000ES, 20000423160000ES, No error↵~~
~~Y,,8236,,, ,, , , ,,,,, ,,7019,10, 20000423080000ES, 20000423160000ES, No error↵~~

c. Submission of Reassignment Information - Case 2:

~~Primary Provider, AEP, is notified of a sale/assignment of transmission service rights from "Resell" to "cust".~~"Reseller" completes a resale of capacity to "Transmission Customer" off-OASIS. The parameters of the

new reservation are for 10MW on ~~4/23~~April 23, 2000 for "off-peak" hours (00:00- 06:00 and 22:00-24:00) on POR/POD CE-VP. Reseller is assigning rights to 10MW from a prior reservation for the CE-VP path for Daily Firm in amount of 50 MW on ~~4/23~~April 23, 2000, under ASSIGNMENT_REF=7019 to Cust. ~~AEP~~ The Reseller would submit the following information using the ***transassign*** ~~T~~template to post this (re)sale. The only fields allowed in "continuation" records for the ***transassign*** ~~T~~template are CAPACITY, START_TIME-, STOP_TIME, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME. Even though there is a one-to-one correspondence between the segments of the new reservations and the reassignment of service from a prior reservation, it is entirely possible that a reservation spanning a single contiguous period would require multiple continuation records to convey reassignment information, and vice versa.

Fields for CUSTOMER_NAME and SELLER_NAME were used to convey user names for subsequent resolution of contact information from user registration.

Input:
VERSION=1.4↵
TEMPLATE=transassign↵
OUTPUT_FORMAT=DATA↵
PRIMARY_PROVIDER_CODE=AEP↵
PRIMARY_PROVIDER_DUNS=123456789↵
RETURN_TZ=ES↵
DATA_ROWS=2↵
COLUMN_HEADERS=CONTINUATION_FLAG, CUSTOMER_CODE, CUSTOMER_DUNS, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, SOURCE, SINK, CAPACITY_REQUESTED, CAPACITY_GRANTED, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD,TS_WINDOW, TS_SUBCLASS, START_TIME, STOP_TIME, OFFER_PRICE, ANC_SVC_LNK, POSTING_NAME, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME , REASSIGNED_STOP_TIME , SELLER_COMMENTS, SELLER_REF↵
N, ACSTMR,987654321, , CE, VP,,,10,10, HOURLY, NON-FIRM, POINT_TO_POINT, OFF_PEAK,FIXED,, 20000423000000ES, 20000423060000ES,2,
SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, Jane Doe ,7019,10, 20000423000000ES, 20000423060000ES, Seller comments go here, S123↵
Y,,,,,,,,10,10,,,,,,, 20000423220000ES, 20000424000000ES,,,,7019,10, 20000423220000ES, 20000424000000ES,, ↵

Response:

REQUEST_STATUS=200↵
ERROR_MESSAGE=Successfully updated. ↵
TIME_STAMP=20000422160523ES↵
VERSION=1.4↵
TEMPLATE=transassign↵

OUTPUT_FORMAT=DATA↵
PRIMARY_PROVIDER_CODE=AEP↵
PRIMARY_PROVIDER_DUNS=123456789↵
RETURN_TZ=ES↵
DATA_ROWS=2↵
COLUMN_HEADERS=RECORD_STATUS,CONTINUATION_FLAG,
ASSIGNMENT_REF, CUSTOMER_CODE, CUSTOMER_DUNS,
PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, SOURCE,
SINK, CAPACITY_REQUESTED, CAPACITY_GRANTED,
SERVICE_INCREMENT, TS_CLASS, TS_TYPE,
TS_PERIOD,TS_WINDOW, TS_SUBCLASS, START_TIME, STOP_TIME,
OFFER_PRICE, ANC_SVC_LNK, POSTING_NAME, REASSIGNED_REF,
REASSIGNED_CAPACITY, REASSIGNED_START_TIME ,
REASSIGNED_STOP_TIME , SELLER_COMMENTS,
SELLER_REF,ERROR_MESSAGE↵
200,N,572100523, ACSTMR,987654321, , CE, VP,,,10,10, HOURLY, NON-FIRM, POINT_TO_POINT, OFF_PEAK,FIXED,, 20000423000000ES,
20000423060000ES,2,
SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, Jane Doe ,7019,10, 20000423000000ES, 20000423060000ES, Seller comments go here, S123, No Error↵
200,Y,572100523,,,,,,,10,10,,,,,, 20000423220000ES,
20000424000000ES,,,,7019,10, 20000423220000ES,
20000424000000ES,, , No Error↵
~~COLUMN_HEADERS=RECORD_STATUS,CONTINUATION_FLAG,ASSIGNMENT_REF, CUSTOMER_CODE, CUSTOMER_DUNS, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, SOURCE, SINK, CAPACITY_REQUESTED, CAPACITY_GRANTED, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD,TS_WINDOW, TS_SUBCLASS, START_TIME, STOP_TIME, OFFER_PRICE, ANC_SVC_LNK, POSTING_NAME, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME , REASSIGNED_STOP_TIME , SELLER_COMMENTS, SELLER_REF5, ERROR_MESSAGE↵~~
~~200,N,8207, ACSTMR,987654321, , CE, VP,,,10,10, HOURLY, NON-FIRM, POINT_TO_POINT, OFF_PEAK,FIXED,, 20000423000000ES, 20000423060000ES,2, SC:(AEP:RQ);RV:(AEP:RQ);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, Jane Doe ,7019,10, 20000423000000ES, 20000423060000ES, Seller comments go here, S1235, No error↵~~
~~200,Y,8207,,,,,,,10,10,,,,,, 20000423220000ES, 20000424000000ES,,,,7019,10, 20000423220000ES, 20000424000000ES,,5, No error↵~~

d. Query of Transmission Reservation Status:

The following typical response to a ***transstatus*** query might be delivered for April 23, 2000~~4/23~~ based on prior examples. Note that the only fields returned in "continuation" records are, ASSIGNMENT_REF, CAPACITY_REQUESTED, CAPACITY_GRANTED, START_TIME, STOP_TIME, REASSIGNED_REF, REASSIGNED_CAPACITY,

REASSIGNED_START_TIME, and REASSIGNED_STOP_TIME (price fields are debatable).

Input:

<appropriate query name/value pairs to return reservations for ~~4/23~~April 23, 2000>

Response:

REQUEST_STATUS=200↵
ERROR_MESSAGE=No error. ↵
TIME_STAMP=20000423160523ES↵
VERSION=1.4↵
TEMPLATE=transstatus↵
OUTPUT_FORMAT=DATA↵
PRIMARY_PROVIDER_CODE=AEP↵
PRIMARY_PROVIDER_DUNS=123456789↵
RETURN_TZ=ES↵
DATA_ROWS=~~9~~11↵
COLUMN_HEADERS=CONTINUATION_FLAG, ASSIGNMENT_REF, SELLER_CODE, SELLER_DUNS, CUSTOMER_CODE, CUSTOMER_DUNS, AFFILIATE_FLAG, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, SOURCE, SINK, CAPACITY_REQUESTED, CAPACITY_GRANTED, SERVICE_INCREMENT, TS_CLASS, TS_TYPE, TS_PERIOD,TS_WINDOW, TS_SUBCLASS, NERC_CURTAILMENT_PRIORITY, OTHER_CURTAILMENT_PRIORITY, START_TIME , STOP_TIME, CEILING_PRICE, OFFER_PRICE, BID_PRICE,PRICE_UNITS, PRECONFIRMED, ANC_SVC_LINK, ANC_SVC_REQ, POSTING_REF, SALE_REF, REQUEST_REF, DEAL_REF,IMPACTED,COMPETING_REQUEST_FLAG,REQUEST_TYPE,RELATED_REF, NEGOTIATED_PRICE_FLAG, STATUS,STATUS_NOTIFICATION, STATUS_COMMENTS, TIME_QUEUED, RESPONSE_TIME_LIMIT, TIME_OF_LAST_UPDATE, PRIMARY_PROVIDER_COMMENTS,SELLER_REF, SELLER_COMMENTS, CUSTOMER_COMMENTS, SELLER_NAME, SELLER_PHONE, SELLER_FAX, SELLER_EMAIL, CUSTOMER_NAME, CUSTOMER_PHONE, CUSTOMER_FAX, CUSTOMER_EMAIL, REASSIGNED_REF, REASSIGNED_CAPACITY, REASSIGNED_START_TIME , REASSIGNED_STOP_TIME↵
N,8207, RSELLR,234567890, ACSTMR,987654321, N, , CE, VP, ,,10,10, HOURLY, FIRM, POINT_TO_POINT, OFF_PEAK,,,7,, 20000423000000ES, 20000423060000ES,2.25,2,2, $/MW, N, SC:(AEP:AR:121);RV:(AEP:AR:122);RF:(FT);EI:(FT);SP:(FT);SU:(FT);, SC:M;RV:M;RF:U;EI:U;SP:U;SU:U;, ,S1235, , ,0, N, RESALE,, L, CONFIRMED,, , 20000422121354ES, , 20000422123054ES, TP Comments,, Seller comments go here, Customer comments, Joe Smith, (888)-123-4567, (888)-123-1231, jsmith@xyz.com, Jane Doe, (999)-123-4567, (999)-123-8823,,7019,10, 20000423000000ES, 20000423060000ES↵

Y,8207,,,,,,,,,,10,10,,,,,,,,, 20000423220000ES,
20000424000000ES,,,,,,,,,,

STATUS_COMMENTS, TIME_QUEUED, TIME_OF_LAST_UPDATE,
PRIMARY_PROVIDER_COMMENTS,SELLER_REF,
SELLER_COMMENTS, CUSTOMER_COMMENTS, SELLER_NAME,
SELLER_PHONE, SELLER_FAX, SELLER_EMAIL, CUSTOMER_NAME,
CUSTOMER_PHONE, CUSTOMER_FAX, CUSTOMER_EMAIL,
REASSIGNED_REF, REASSIGNED_CAPACITY,
REASSIGNED_START_TIME , REASSIGNED_STOP_TIME.↵
N,8207, RSELLR,234567890, ACSTMR,987654321, N, , CE, VP, ,,10,10,
HOURLY, FIRM, POINT_TO_POINT, OFF_PEAK,,,,, 20000423000000ES,
20000423060000ES,2.25,2,2,$/MW, N,
SC:(AEP:AR:121);RV:(AEP:AR:122);RF:(FT);EI:(FT);SP:(FT);SU:(FT);,
SC:M;RV:M;RF:U;EI:U;SP:U;SU:U;, ,S1235, , ,0, RESALE,, L,
CONFIRMED,, , 20000422121354ES, 20000422123054ES, TP
Comments,, Seller comments go here, Customer comments, Joe Smith,
(888)-123-4567, (888)-123-1231, jsmith@xyz.com, Jane Doe, (999)-123-
4567, (999)-123-8823,,7019,10, 20000423000000ES,
20000423060000ES.↵
Y,8207,,,,,,,,,,10,10,,,,,,,,, 20000423220000ES,
20000424000000ES,,,,,,,,,,

~~20000422171523ES, Bid price refused,, Negotiated OFFER_PRICE accepted,, Joe Smith, (888)-123-4567, (888)-123-1231, jsmith@xyz.com, Jane Doe, (999)-123-4567, (999)-123-8823,,7019,20, 20000423040000ES, 20000423080000ES.↵~~
~~Y,8236,,,

determining that the proposed price is not acceptable and further negotiations are not desired), or REFUSED (due to the unavailability of the requested service) ~~are set~~, the transmission reservation request is terminated.

c. The Seller has the option of entering a CAPACITY_GRANTED and setting the STATUS to COUNTEROFFER via the ***transell*** ~~T~~template if the ~~seller~~Seller can only provide partial service.

d. If the Seller set the STATUS to RECEIVED or STUDY, and determines that the BID_PRICE is too low, the Seller sets the OFFER_PRICE to the price desired, and sets the STATUS to COUNTEROFFER via the ***transsell*** ~~T~~template.

e. The ~~Customer~~Transmission Customer agrees to the OFFER_PRICE, sets the BID_PRICE equal to the OFFER_PRICE, and sets the STATUS to CONFIRMED via the ***transcust*** ~~T~~template.

f. The OFFER_PRICE and CAPACITY_GRANTED with the STATUS of CONFIRMED locks in the terms of the reservation.

013-4.1.6.3 Multiple Step Negotiations

a. The ~~Customer~~Transmission Customer submits a transmission reservation request with the BID_PRICE less than the CEILING_PRICE via the ***transrequest*** ~~T~~template. Initially the STATUS is set to QUEUED by the OASIS Node.

b. The Seller has the option of setting the STATUS via the ***transsell*** ~~T~~template to one of the following: INVALID, RECEIVED, STUDY, ACCEPTED, DECLINED, COUNTEROFFER, or REFUSED. If the STATUS is set to INVALID, DECLINED, or REFUSED ~~are set~~, the transmission reservation request is terminated.

c. The ~~seller~~Seller has the option of entering a CAPACITY_GRANTED and setting the STATUS to COUNTEROFFER via the ***transell*** ~~T~~template if the ~~seller~~Seller can only provide partial service. If ATC changes before the request reaches the STATUS of CONFIRMED, ~~seller~~Seller may change the CAPACITY_GRANTED.

d. The Seller determines that the BID_PRICE is too low, sets the OFFER_PRICE to the desired value, and sets the STATUS to COUNTEROFFER via the ***transsell*** ~~T~~template.

e. The ~~Customer~~Transmission Customer responds to the new OFFER_PRICE with an updated BID_PRICE and sets the STATUS to REBID for re-evaluation by the Seller.

f. The Seller determines that the BID_PRICE now is acceptable, and sets the STATUS to ACCEPTED via the ***transsell*** ~~T~~template. The transition to ACCEPTED state requires the OFFER_PRICE to be set to the BID_PRICE: accepting a reservation with an OFFER_PRICE different from BID_PRICE

would require the STATUS be set to COUNTEROFFER rather than ACCEPTED (see item c).

g. The ~~Customer~~Transmission Customer agrees to the OFFER_PRICE and sets the STATUS to CONFIRM via the ***transcust*** ~~T~~template.

h. The OFFER_PRICE and CAPACITY_GRANTED with the STATUS as CONFIRMED locks in the terms of the reservation.

013-4.1.6.4 Negotiations Declined by Seller

a. The ~~Customer~~Transmission Customer submits a transmission reservation request with the BID_PRICE less than the CEILING_PRICE via the ***transrequest*** ~~T~~template. Initially the STATUS is set to QUEUED by the OASIS Node.

b. The Seller has the option of setting the STATUS via the ***transsell*** ~~T~~template to one of the following: INVALID, RECEIVED, STUDY, ACCEPTED, DECLINED, COUNTEROFFER, or REFUSED. If the STATUS is set to INVALID, DECLINED, or REFUSED ~~are set~~, the transmission reservation request is terminated.

c. The Seller determines that the BID_PRICE is too low, sets OFFER_PRICE to his desired value, and sets STATUS to COUNTEROFFER via the ***transsell*** ~~T~~template.

d. The ~~Customer~~Transmission Customer responds to OFFER_PRICE with updated BID_PRICE and sets the STATUS to REBID via the ***transcust*** ~~T~~template for re-evaluation by Seller.

e. The Seller breaks off all further negotiations by setting the STATUS to DECLINED, indicating that the price is unacceptable and that he does not wish to continue negotiations.

013-4.1.6.5 Negotiations Withdrawn by ~~Customer~~Transmission Customer

a. The ~~Customer~~Transmission Customer submits a transmission reservation request with the BID_PRICE less than the CEILING_PRICE via the ***transrequest***. Initially the STATUS is set to QUEUED by the OASIS Node.

b. The Seller has the option of setting the STATUS via the ***transsell*** ~~T~~template to one of the following: INVALID, RECEIVED, STUDY, ACCEPTED, DECLINED, COUNTEROFFER, or REFUSED. If the STATUS is set to INVALID, DECLINED, or REFUSED ~~are set~~, the transmission reservation request is terminated.

c. The Seller has the option of entering a CAPACITY_GRANTED and setting the STATUS to COUNTEROFFER via the ***transell*** ~~T~~template if the ~~seller~~Seller can only provide partial service.

d. The Seller determines that the BID_PRICE is too low, sets the OFFER_PRICE to his desired value, and sets the STATUS to COUNTEROFFER via the ***transsell*** ~~T~~template.

e. The ~~Customer~~Transmission Customer responds to the OFFER_PRICE with an updated BID_PRICE and sets the STATUS to REBID for re-evaluation by Seller.

f. The Seller determines that the BID_PRICE is still too low, sets the OFFER_PRICE to another value, and sets STATUS to COUNTEROFFER via the ***transsell*** ~~T~~template.

g. The ~~Customer~~Transmission Customer breaks off all further negotiations, either because the OFFER_PRICE or CAPACITY_GRANTED are unacceptable, by setting STATUS to WITHDRAWN (or the ~~Customer~~Transmission Customer/Seller could go through additional iterations of REBID/COUNTEROFFER until negotiations are broken off or the reservation is CONFIRMED).

013-4.1.6.6 Negotiations Superseded by Higher Priority Reservation

a. The ~~Customer~~Transmission Customer submits a transmission reservation request with the BID_PRICE less than the CEILING_PRICE via the ***transrequest*** ~~T~~template. Initially the STATUS is set to QUEUED by the OASIS Node.

b. The Seller has the option of setting the STATUS via the ***transsell*** ~~T~~template to one of the following: INVALID, RECEIVED, STUDY, ACCEPTED, DECLINED, COUNTEROFFER, or REFUSED. If the STATUS is set to INVALID, DECLINED, or REFUSED ~~are set~~, the transmission reservation request is terminated.

c. If the Seller determines that another reservation has higher priority and must displace this request, he sets the STATUS of this request to SUPERSEDED and the negotiations are terminated.

d. However, if desired and permitted by the tariff, the Seller may set the STATUS of a request in any of these previous states (including COUNTEROFFER and ACCEPTED) to COUNTEROFFER with an OFFER_PRICE which could avoid the request being superseded, thus allowing the ~~Customer~~Transmission Customer the choice of being SUPERSEDED or accepting the proposed OFFER_PRICE.

013-4.1.7 Audit Template examples

The following examples are included to show the general type of audit report responses that could be expected to be returned by implementations of the audit reporting Templates as documented above.

013-4.1.7.1 Offerings

The following is an example of a hypothetical audit query for daily non-firm offerings to the "DDD" point of delivery for Monday August 17, 1998 (line breaks and indentations added to improve readability):

REQUEST_STATUS=200 ↵
ERROR_MESSAGE ↵
TIME_STAMP=19980821091601ES ↵
VERSION=1.4 ↵
TEMPLATE=transofferingaudit ↵
OUTPUT_FORMAT=DATA ↵
PRIMARY_PROVIDER_CODE=WXYZ ↵
PRIMARY_PROVIDER_DUNS=78912345 ↵
RETURN_TZ=ES ↵
DATA_ROWS=14 ↵
COLUMN_HEADERS=RECORD_TYPE, TIME_OF_LAST_UPDATE, MODIFYING_COMPANY_CODE, MODIFYING_NAME, TIME_OF_LAST_UPDATE, SELLER_CODE, SELLER_DUNS, PATH_NAME, POINT_OF_RECEIPT, POINT_OF_DELIVERY, INTERFACE_TYPE,OFFER_START_TIME,OFFER_STOP_TIME,START_TIME,STOP_TIME,CAPACITY,SERVICE_INCREMENT, TS_CLASS,TS_TYPE,TS_PERIOD, TS_WINDOW, TS_SUBCLASS, ANC_SVC_REQ, SALE_REF, POSTING_REF, CEILING_PRICE, OFFER_PRICE,PRICE_UNITS,SERVICE_DESCRIPTION, NERC_CURTAILMENT_PRIORITY, OTHER_CURTAIL MENT_PRIORITY, SELLER_NAME, SELLER_PHONE, SELLER_FAX, SELLER_EMAIL, SELLER_COMMENTS ↵
U,19980815131756ES, WXYZ, Jane Doe,19980815131756ES, WXYZ,78912345, X/WXYZ/AAA-DDD//, AAA, DDD, E, 19980814000000ES, 19980817000000ES, 19980817000000ES, 19980818000000ES,800, DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, SC:M;RF:M,,48732,102,85, $/MW-Day,,3,, Jane Doe,123-456-7813,123-456-7801, doej@wxyz.com , ↵
U,19980815124022ES, WXYZ, Jane Doe,19980815124022ES, WXYZ,78912345, X/WXYZ/AAA-DDD//, AAA, DDD, E, 19980814000000ES, 19980817000000ES, 19980817000000ES, 19980818000000ES,850, DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, SC:M;RF:M,,48732,102,85, $/MW-Day,,3,, Jane Doe,123-456-7813,123-456-780 1, doej@wxyz.com, ↵
U,19980814120018ES, WXYZ, Joe Smith,19980814120018ES, WXYZ,78912345, X/WXYZ/AAA-DDD//, AAA, DDD, E, 19980814000000ES, 19980817000000ES, 19980817000000ES, 19980818000000ES,850, DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, SC:M;RF:M,,48732,102,90, $/MW-Day,,3,, Joe Smith,123-456-7893,123-456-7801 , smithj@wxyz.com , ↵
I,19980813171204ES, WXYZ, Supervisor,19980813171204ES, WXYZ,78912345, X/WXYZ/AAA-DDD//, AAA, DDD, E, 19980814000000ES, 19980817000000ES, 19980817000000ES, 19980818000000ES,850, DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, SC:M;RF:M,,48732,102,95, $/MW-Day,,3,, Supervisor,123-456-7890,123-456-78 01 ,, ↵
U,19980815124022ES, WXYZ, Jane Doe,19980815124022ES, WXYZ,78912345, X/WXYZ/BBB-DDD//, BBB, DDD, E, 19980814000000ES,

19980817000000ES, 19980817000000ES, 19980818000000ES,1200, DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, SC:M;RF:M,,48783,102,85, $/MW-Day,,3,, Jane Doe,123-456-7813,123-456-7801, doej@wxyz.com , ↵
U,19980814120022ES, WXYZ, Joe Smith,19980814120022ES, WXYZ,78912345, X/WXYZ/BBB-DDD//, BBB, DDD, E, 19980814000000ES, 19980817000000ES, 19980817000000ES, 19980818000000ES,1200, DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, SC:M;RF:M,,48783,102,90, $/MW-Day,,3,, Joe Smith,123-456-7893,123-456-7801 , smithj@wxyz.com , ↵
I,19980813171210ES, WXYZ, Supervisor,19980813171210ES, WXYZ,78912345, X/WXYZ/BBB-DDD//, BBB, DDD, E, 19980814000000ES, 19980817000000ES, 19980817000000ES, 19980818000000ES,1200, DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, SC:M;RF:M,,48783,102,95, $/MW-Day,,3,, Supervisor,123-456-7890,123-456-780 1, , ↵
U,19980816101000ES, WXYZ, Supervisor,19980816101000ES, WXYZ,78912345, X/WXYZ/CCC-DDD//, CCC, DDD, E, 19980814000000ES, 19980817000000ES, 19980817000000ES, 19980818000000ES,85, DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, SC:M;RF:M,,48820,102,102, $/MW-Day,,3,, Supervisor,123-456-7810,123-456-7801, , ↵
U,19980814143807ES, WXYZ, Supervisor,19980814143807ES, WXYZ,78912345, X/WXYZ/CCC-DDD//, CCC, DDD, E, 19980814000000ES, 19980817000000ES, 19980817000000ES, 19980818000000ES,90, DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, SC:M;RF:M,,48820,102,102, $/MW-Day,,3,, Supervisor,123-456-7890,123-456-7801, , ↵
U,19980814120023ES, WXYZ, Joe Smith,19980814120023ES, WXYZ,78912345, X/WXYZ/CCC-DDD//, CCC, DDD, E, 19980814000000ES, 19980817000000ES, 19980817000000ES, 19980818000000ES,110, DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, SC:M;RF:M,,48820,102,90, $/MW-Day,,3,, Joe Smith,123-456-7893,123-456-7801, smithj@wxyz.com , ↵
I,19980813171214ES, WXYZ, Supervisor,19980813171214ES, WXYZ,78912345, X/WXYZ/CCC-DDD//, CCC, DDD, E, 19980814000000ES, 19980817000000ES, 19980817000000ES, 19980818000000ES,110, DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, SC:M;RF:M,,48820,102,95, $/MW-Day,,3,, Supervisor,123-456-7890,123-456-7801, , ↵
U,19980815124023ES, WXYZ, Jane Doe,19980815124023ES, WXYZ,78912345, X/WXYZ/WXYZ-DDD//, WXYZ, DDD, E, 19980814000000ES, 19980817000000ES, 19980817000000ES, 19980818000000ES,340, DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, SC:M;RF:M,,48855,102,85, $/MW-Day,,3,, Jane Doe,123-456-7813,123-456-78 01, doej@wxyz.com , ↵
U,19980814120023ES, WXYZ, Joe Smith,19980814120023ES, WXYZ,78912345, X/WXYZ/WXYZ-DDD//, WXYZ, DDD, E, 19980814000000ES, 19980817000000ES, 19980817000000ES, 19980818000000ES,340, DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, SC:M;RF:M,,48855,102,90, $/MW-Day,,3,, Joe Smith,123-456-7893,123-456-7 801, smithj@wxyz.com , ↵

I,19980813171222ES, WXYZ, Supervisor,19980813171222ES, WXYZ,78912345, X/WXYZ/WXYZ-DDD//, WXYZ, DDD, E, 19980814000000ES, 19980817000000ES, 19980817000000ES, 19980818000000ES,340, DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,, SC:M;RF:M,,48855,102,95, $/MW-Day,,3,, Supervisor,123-456-7890,123-456-7 801, ,
COLUMN_HEADERS=RECORD_TYPE,TIME_OF_LAST_UPDATE,MODIFYING_COMPANY_CODE,MODIFYIN G_NAME,
TIME_OF_LAST_UPDATE,SELLER_CODE,SELLER_DUNS,PATH_NAME,POINT_OF_RECEIPT,POINT_OF_DEL IVERY,
INTERFACE_TYPE,OFFER_START_TIME,OFFER_STOP_TIME,START_TIME,STOP_TIME,CAPACITY,SERVIC E_INCREMENT,
TS_CLASS,TS_TYPE,TS_PERIOD,TS_WINDOW,TS_SUBCLASS,ANC_SVC_REQ,SALE_REF,POSTING_REF,CEI LING_PRICE,
OFFER_PRICE,PRICE_UNITS,SERVICE_DESCRIPTION,NERC_CURTAILMENT_PRIORITY,OTHER_CURTAIL MENT_PRIORITY,
SELLER_NAME,SELLER_PHONE,SELLER_FAX,SELLER_EMAIL,SELLER_COMMENTS ↵
U,19980815131756ES,WXYZ,Jane Doe,19980815131756ES, WXYZ,78912345,X/WXYZ/AAA-DDD//,AAA,DDD,E,19 980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,800, DAILY,NON-
FIRM,POINT_TO_POINT,FULL_PERIOD,FIXED,,SC:M;RF:M,,48732,102.00,85.00,$/MW-Day,,3,, Jane Doe,123-456-7813,123-456-7801, doej@wxyz.com ↵
U,19980815124022ES,WXYZ, Jane Doe,19980815124022ES, WXYZ,78912345,X/WXYZ/AAA-DDD//,AAA,DDD,E, 1 9980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,850, DAILY,NON-FIRM,POINT_TO_
POINT,FULL_PERIOD,FIXED,,SC:M;RF:M,, 48732,102.00,85.00,$/MW-Day,,3,, Jane Doe,123-456-7813,123-456-780 1,doej@wxyz.com, ↵
U,19980814120018ES,WXYZ, Joe Smith,19980814120018ES,WXYZ,78912345,X/WXYZ/AAA-DDD//,AAA,DDD,E,1 9980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,850, DAILY,NON-FIRM,POINT_TO_
POINT,FULL_PERIOD,FIXED,,SC:M;RF:M,,48732,102.00,90.00,$/MW-Day,,3,,Joe Smith,123-456-7893,123-456-7801 ,smithj@wxyz.com ↵
I,19980813171204ES,WXYZ, Supervisor,19980813171204ES, WXYZ,78912345,X/WXYZ/AAA-DDD//,AAA,DDD,E, 19980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,850, DAILY,NON-FIRM,POINT_TO
_POINT,FULL_PERIOD,FIXED,,SC:M;RF:M,,48732,102.00,95.00,$/MW-Day,,3,, Supervisor,123-456-7890,123-456-78 01 ↵
U,19980815124022ES,WXYZ, Jane Doe,19980815124022ES, WXYZ,78912345,X/WXYZ/BBB-DDD//,BBB,DDD,E,19 980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,1200, DAILY,NON-FIRM,POINT_TO_
POINT,FULL_PERIOD,FIXED,,SC:M;RF:M,,48783,102.00,85.00,$/MW-Day,,3,,Jane Doe,123-456-7813,123-456-7801, doej@wxyz.com ↵
U,19980814120022ES,WXYZ,Joe Smith,19980814120022ES,WXYZ,78912345,X/WXYZ/BBB-DDD//,BBB,DDD,E,19

~~980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,1200,DAILY,NON-FIRM,POINT_TO_POINT,FULL_PERIOD,FIXED,,SC:M;RF:M,,48783,102.00,90.00,$/MW-Day,,3,,Joe Smith,123-456-7893,123-456-7801 ,smithj@wxyz.com ↵~~
~~I,19980813171210ES,WXYZ,Supervisor,19980813171210ES,WXYZ,78912345,X/WXYZ/BBB-DDD//,BBB,DDD,E,19980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,1200,DAILY,NON-FIRM,POINT_TO_POINT,FULL_PERIOD,FIXED,,SC:M;RF:M,,48783,102.00,95.00,$/MW-Day,,3,,Supervisor,123-456-7890,123-456-780 1,↵~~
~~U,19980816101000ES,WXYZ,Supervisor,19980816101000ES,WXYZ,78912345,X/WXYZ/CCC-DDD//,CCC,DDD,E,19980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,85,DAILY,NON-FIRM,POINT_TO_POINT,FULL_PERIOD,FIXED,,SC:M;RF:M,,48820,102.00,102.00,$/MW-Day,,3,,Supervisor,123-456-7810,123-456-7801,~~
~~5U,19980814143807ES,WXYZ,Supervisor,19980814143807ES,WXYZ,78912345,X/WXYZ/CCC-DDD//,CCC,DDD,E,19980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,90,DAILY,NON-FIRM,POINT_TO_POINT,FULL_PERIOD,FIXED,,SC:M;RF:M,,48820,102.00,102.00,$/MW-Day,,3,,Supervisor,123-456-7890,123-456-7801,~~
~~5U,19980814120023ES,WXYZ,Joe Smith,19980814120023ES,WXYZ,78912345,X/WXYZ/CCC-DDD//,CCC,DDD,E,19980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,110,DAILY,NON-FIRM,POINT_TO_POINT,FULL_PERIOD,FIXED,,SC:M;RF:M,,48820,102.00,90.00,$/MW-Day,,3,,Joe Smith,123-456-7893,123-456-7801,s mithj@wxyz.com ↵~~
~~I,19980813171214ES,WXYZ,Supervisor,19980813171214ES,WXYZ,78912345,X/WXYZ/CCC-DDD//,CCC,DDD,E,19980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,110,DAILY,NON-FIRM,POINT_TO_POINT,FULL_PERIOD,FIXED,,SC:M;RF:M,,48820,102.00,95.00,$/MW-Day,,3,,Supervisor,123-456-7890,123-456-7801,↵~~
~~U,19980815124023ES,WXYZ,Jane Doe,19980815124023ES,WXYZ,78912345,X/WXYZ/WXYZ-DDD//,WXYZ,DDD,E,19980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,340,DAILY,NON-FIRM,POINT_TO_POINT,FULL_PERIOD,FIXED,,SC:M;RF:M,,48855,102.00,85.00,$/MW-Day,,3,,Jane Doe,123-456-7813,123-456-78 01,doej@wxyz.com ↵~~
~~U,19980814120023ES,WXYZ,Joe Smith,19980814120023ES,WXYZ,78912345,X/WXYZ/WXYZ-DDD//,WXYZ,DDD,E,19980814000000ES,19980817000000ES,19980817000000ES,19980818000000ES,340,DAILY,NON-FIRM,POINT_TO_POINT,FULL_PERIOD,FIXED,,SC:M;RF:M,,48855,102.00,90.00,$/MW-Day,,3,,Joe Smith,123-456-7893,123-456-7 801,smithj@wxyz.com ↵~~
~~I,19980813171222ES,WXYZ,Supervisor,19980813171222ES,WXYZ,78912345,X/WXYZ/WXYZ-DDD//,WXYZ,DDD,E,19980814000000ES,19980817000000ES,19980817000000ES,1998081800~~

~~0000ES,340, DAILY,NON-FIRM,POINT_TO_POINT,FULL_PERIOD,FIXED,,SC:M;RF:M,,48855,102.00,95.00,$/MW-Day,,3,,Supervisor,123-456-7890,123-456-7 801,~~

From this audit report, the daily non-firm offerings on the four paths to "DDD" (AAA-DDD, BBB-DDD, CCC-DDD, and WXYZ-DDD) were all originally posted by WXYZ's "Supervisor" at approximately 17:12 on ~~8/13~~August 13, 1998, at a price of $95.00 /MW/~~-D~~day discounted from a ceiling price of $102.00.
At approximately 12:00 on August 14, 1998~~8/14~~, Joe Smith changed the offer price to $90.00 on all four paths.

At 14:14 on ~~8/14~~August 14, 1998, "Supervisor" adjusted the capacity available on path X/WXYZ/CCC-DDD// to 90 MW (POSTING_REF = 48820) and set the offer price up to match the tariff ceiling rate (presumably due to the path now being constrained and released from the requirement to have discounted service offered at the same rate as all other unconstrained paths to DDD). Capacity on this path was last updated to a value of 85 MW at 10:10 on August 16, 1998~~8/16~~, which is the current information posted on OASIS for this path at the time of the query.

Jane Doe adjusted the price on the three presumably unconstrained paths to DDD at 12:40 on August 15, 1998~~8/15~~ to $85.00, which may have been in response to a negotiation for service on one of these paths. No further updates have occurred to the offerings on paths BBB-DDD and WXYZ-DDD since that time.

Finally, the capacity available on path X/WXYZ/AAA-DDD// was updated by Jane Doe from 850 to 800 MW at 13:17 on August 15, 1998~~8/15~~, which may have corresponded with final confirmation of a reservation at a negotiated discount by the Transmission C~~c~~ustomer that initiated the price change from $90.00 to $85.00.

013-4.1.7.2 Reservations

The following is an example of a hypothetical audit query for a specific transmission service reservation (line breaks and indentations added to improve readability):

REQUEST_STATUS=200↵
ERROR_MESSAGE=↵
TIME_STAMP=19980821092048ES↵
VERSION=1.4↵
TEMPLATE=transstatusaudit↵
OUTPUT_FORMAT=DATA↵
PRIMARY_PROVIDER_CODE=WXYZ↵
PRIMARY_PROVIDER_DUNS=78912345↵
RETURN_TZ=ES↵
DATA_ROWS=9↵
COLUMN_HEADERS=RECORD_TYPE, TIME_OF_LAST_UPDATE, MODIFYING_COMPANY_CODE, MODIFYING_NAME, CONTINUATION_FLAG, ASSIGNMENT_REF, SELLER_CODE, SELLER_DUNS, CUSTOMER_CODE, CUSTOMER_DUNS,

AFFILIATE_FLAG, PATH_NAME, POINT_OF_RECEIPT,
POINT_OF_DELIVERY, SOURCE, SINK, CAPACITY_REQUESTED,
CAPACITY_GRANTED, SERVICE_INCREMENT, TS_CLASS, TS_TYPE,
TS_PERIOD, TS_WINDOW, TS_SUBCLASS,
NERC_CURTAILMENT_PRIORITY, OTHER_CURTAILMENT_PRIORITY,
START_TIME, STOP_TIME, CEILING_PRICE, OFFER_PRICE, BID_PRICE,
PRICE_UNITS, PRECONFIRMED, ANC_SVC_LINK, ANC_SVC_REQ,
POSTING_REF, SALE_REF, REQUEST_REF, DEAL_REF, IMPACTED,
COMPETING_REQUEST_FLAG, REQUEST_TYPE, RELATED_REF,
NEGOTIATED_PRICE_FLAG, STATUS, STATUS_NOTIFICATION,
STATUS_COMMENTS, TIME_QUEUED, RESPONSE_TIME_LIMIT,
TIME_OF_LAST_UPDATE, PRIMARY_PROVIDER_COMMENTS,
SELLER_REF, SELLER_COMMENTS, CUSTOMER_COMMENTS,
SELLER_NAME,SELLER_PHONE, SELLER_FAX, SELLER_EMAIL,
CUSTOMER_NAME, CUSTOMER_PHONE, CUSTOMER_FAX,
CUSTOMER_EMAIL, REASSIGNED_REF, REASSIGNED_CAPACITY,
REASSIGNED_START_TIME, REASSIGNED_STOP_TIME↵
U, 19980815131629ES, DEFPM, Alan Trader,N,104392, WXYZ,78912345,
DEFPM,912876543, N, X/WXYZ/AAA-DDD//, AAA, DDD, AAA, ZZZ,50,,
DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,,3,,
19980817000000ES, 19980818000000ES,102,85,85, $/MW-Day, N,,
SC:M;RF:M,,,,,0, N, ORIGINAL,,, CONFIRMED,,, 19980815121510ES,
19980815144100ES, 19980815131629ES,,,,, Jane Doe, 123-456-7813, 123-
456-7801, doej@wxyz.com, Alan Trader, 312-678-9104, 312-678-9100,
a.trader@defmarketing.com,,,,↵
U, 19980815125042ES, WXYZ, Jane Doe,N,104392, WXYZ,78912345,
DEFPM,912876543, N, X/WXYZ/AAA-DDD//, AAA, DDD, AAA,
ZZZ,50,50,DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,,3,,
19980817000000ES, 19980818000000ES,102,85,82, $/MW-Day, N,,
SC:M;RF:M,,,,,0, N, ORIGINAL,,, COUNTEROFFER,,, 19980815121510ES,
19980815144100ES, 19980815125042ES,,,,, Jane Doe, 123-456-7813, 123-
456-7801, doej@wxyz.com, Alan Trader, 312-678-9104, 312-678-9100,
a.trader@defmarketing.com,,,,↵
U, 19980815124811ES, DEFPM, Alan Trader,N,104392, WXYZ,78912345,
DEFPM,912876543, N, X/WXYZ/AAA-DDD//, AAA, DDD, AAA,
ZZZ,50,50,DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,,3,,
19980817000000ES, 19980818000000ES,102,85,82, $/MW-Day, N,,
SC:M;RF:M,,,,,0, N, ORIGINAL,,, REBID,,, 19980815121510ES,
19980815144100ES, 19980815124811ES,,,,, Jane Doe, 123-456-7813, 123-
456-7801, doej@wxyz.com, Alan Trader, 312-678-9104, 312-678-9100,
a.trader@defmarketing.com,,,,↵
U, 19980815124100ES, WXYZ, Jane Doe,N,104392, WXYZ,78912345,
DEFPM,912876543, N, X/WXYZ/AAA-DDD//, AAA, DDD, AAA,
ZZZ,50,50,DAILY, NON-FIRM, POINT_TO_POINT, FULL_PERIOD, FIXED,,3,,
19980817000000ES, 19980818000000ES,102,85,80, $/MW-Day, N,,
SC:M;RF:M,,,,,0, N, ORIGINAL,,, COUNTEROFFER,,, 19980815121510ES,
1998081514410 ES, 19980815124100ES,,,,, Jane Doe, 123-456-7813, 123-
456-7801, doej@wxyz.com, Alan Trader, 312-678-9104, 312-678-9100,
a.trader@defmarketing.com,,,,↵
U,,,,Y,104392,,,,,,,,,,75,75,,,,,,,, 19980818000000ES,
19980819000000ES,,,,,,,,,,

U,,,,Y,104392,,,,,,,,,,100,100,,,,,,,,, 19980819000000ES,
19980820000000ES,,,,,,,,,,

~~FIRM,POINT_TO_POINT,FULL_PERIOD,FIXED,,3,,19980817000000ES,19980818 000000ES,102.00,85.00,82.00,$/MW-Day,N,,SC:M;RF:M,,,,,,COUNTEROFFER,,,19980815121510ES,19980815144100 ES,19980815125042ES,,,,Jane Doe,123-456-7813,123-456-7801,doej@wxyz.com,Alan Trader,312-678-9104,312-678-9100,a.trader@defmarketing.com,,,,↵
U,19980815124811ES,DEFPM,Alan Trader,N,104392,WXYZ,78912345,DEFPM,912876543,N,X/WXYZ/AAA-DDD//,A AA,DDD,AAA,ZZZ,50,DAILY,NON-FIRM,POINT_TO_POINT,FULL_PERIOD,FIXED,,3,,19980817000000ES,19980818000000ES,102.00,85.00,82.00,$/MW-Day,N,,SC:M;RF:M,,,,,,REBID,,,19980815121510ES,19980815144100ES,19980 815124811ES,,,,Jane Doe,123-456-7813,123-456-7801,doej@wxyz.com,Alan Trader,312-678-9104,312-678-9100,a.trader@defmarketing.com.↵
U,19980815124100ES,WXYZ,Jane Doe,N,104392,WXYZ,78912345,DEFPM,912876543,N,X/WXYZ/AAA-DDD//,AAA ,DDD,AAA,ZZZ,50,DAILY,NON-FIRM,POINT_TO_POINT,FULL_PERIOD,FIXED,,3,,19980817000000ES,19980818 000000ES,102.00,85.00,80.00,$/MW-Day,N,,SC:M;RF:M,,,,,,COUNTEROFFER,,,19980815121510ES,19980815144100 ES,19980815124100ES,,,,Jane Doe,123-456-7813,123-456-7801,doej@wxyz.com,Alan Trader,312-678-9104,312-678-9100,a.trader@defmarketing.com.↵
I,19980815121510ES,DEFPM,Alan Trader,N,104392,WXYZ,78912345,DEFPM,912876543,N,X/WXYZ/AAA-DDD//,A AA,DDD,AAA,ZZZ,50,DAILY,NON-FIRM,POINT_TO_POINT,FULL_PERIOD,FIXED,,3,,19980817000000ES,19980818 18000000ES,102.00,90.00,80.00,$/MW-Day,N,,SC:M;RF:M,,,,,,QUEUED,,,19980815121510ES,,19980815121510ES,,,,Company Default,123-456-7800,123-456-7801,,Alan Trader,312-678-9104,312-678-9100,a.trader@defmarketing.com.↵
I,,,,Y,,,,,,,,,,,,75,,,,,,,,,19980818000000ES,19980819000000ES,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,↵
I,,,,Y,,,,,,,,,,,,100,,,,,,,,,19980819000000ES,19980820000000ES,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,↵~~

First, this example shows the handling of continuation records which conveyed a time varying demand of 50 MW on August 1, 1998~~8/17~~, 75 MW on August 18, 1998,~~8/18~~, and 100 MW on August 19, 1998~~8/19~~. This demand profile was initially entered with the original reservation request (***transrequest*** ~~T~~ttemplate) at 12:15 on August 15, 1998,~~8/15~~ by Alan Trader. Since the ~~D~~ddata ~~E~~eelements associated with the profile were never modified, the intervening audit response records do not repeat the data from these continuation records.

As part of the original reservation, Alan Trader attempted to negotiate a price for service of $80.00 /MW/~~-D~~Dday. Jane Doe responded to this request with a counter offer at the rate of $85.00 /MW/~~-D~~Dday at 12:41 on August 15, 1998~~8/15~~. Since the status of COUNTEROFFER constitutes acceptance of all terms of the reservation except price (i.e., transmission capability has been evaluated and is available), the RESPONSE_TIME_LIMIT ~~D~~ddata ~~E~~eelement has

been updated to reflect the time by which the Transmission Ccustomer must confirm service (assuming the establishment of Transmission cCustomer confirmation time limits is approved by FERC).

At 12:48, Alan Trader attempted to negotiate further for a rate of $82.00 /MWDay and the reservation status was set to REBID. Jane Doe responded at 12:50 with a second counter offer restating a rate of $85.00, which Alan Trader finally agreed to at 13:16 on August 15, 19988/15. The current posted information on OASIS shows this final CONFIRMED reservation.

013-4.2 Ancillary Service Linkage Examples

The following examples document the handling of ancillary service linkage to transmission service requests/reservations using the ANC_SVC_LINK data element.

Example 1:

Assume ancillary services SC and RV are mandatory from the TPPrimary Provider, whose code is "TPEL", and ancillary services RF, EI, SP and SU are required, but will be defined at a future time.

"SC: (TPEL:RQ); RV: (TPEL:RQ); RF:(:FT); EI:(:FT); SP:(:FT); SU:(:FT)";

Example 2:

Assume ancillary services SC and RV are mandatory from the TPPrimary Provider, whose code is "TPEL", and RF, EI, SP and SU are self-supplied. The customer codeCUSTOMER_CODE is "CPSE"

"SC: (TPEL:RQ); RV: (TPEL:RQ); RF:(CPSE:SP); EI:(CPSE:SP);
SP:(CPSE:SP); SU:(CPSE:SP)"

Example 3:

Assume ancillary services SC and RV are mandatory from the Primary Provider TP, whose code is "TPEL", and ancillary services RF, EI, SP and SU were purchased via a prior OASIS reservation from sellerSeller "SANC" whose reservation number was "39843". There is sufficient capacity within the Ancillary reservation to handle this Transmission reservation.

"SC:(TPEL:RQ); RV:(TPEL:RQ); RF:(SANC:AR:39843);
EI:(SANC:AR:39843) SP:(SANC:AR:39843); SU:(SANC:AR:39843)"

Example 4:

Assume ancillary services SC and RV are mandatory from the Primary ProviderTP, whose code is "TPEL", and ancillary services RF, EI, SP and SU were purchased via prior OASIS reservations from sellerSellers "SANC" and "TANC", whose reservation numbers where "8763" and "9824" respectively. There is not sufficient capacity within the Ancillary reservation from sellerSeller "SANC" to handle this Transmission reservation. In this case the OASIS

reservation number 8763 will be depleted for the time frame specified within the transmission reservation and the remaining required amount will come from reservation number "9824".

"SC:(TPEL:RQ); RV:(TPEL:RQ); RF:((SANC:AR:8763)(TANC:AR:9824));
EI:((SANC:AR:8763)(TANC:AR:9824));
SP:((SANC:AR:8763)(TANC:AR:9824));
SU:((SANC:AR:8763)(TANC:AR:9824))"

Example 5:

Assume a transmission reservation in the amount of 100 mwMW/hour for a period of one day is made. Ancillary services SC and RV are mandatory from the Primary ProviderTP, whose code is "TPEL", and ancillary services RF, EI, SP and SU were purchased via prior OASIS reservations from sellerSellers "SANC" and "TANC", whose reservation numbers where "8763" and "9824" respectively. There is sufficient capacity within the Ancillary reservation from sellerSeller "SANC" to handle this Ttransmission reservation, however the purchaser wishes to use only "40 mw'MWs" from this sellerSeller. In this case the OASIS reservation number 8763 will be depleted in the amount of "40 mw'MWs" for the time frame specified within the transmission reservation and the remaining required amount will come from reservation number "9824".

"SC:(TPEL:RQ); RV:(TPEL:RQ); RF:((SANC:AR:8763:40)(TANC:AR:9824));
EI:((SANC:AR:8763:40)(TANC:AR:9824));
SP:((SANC:AR:8763:40)(TANC:AR:9824));
SU:((SANC:AR:8763:40)(TANC:AR:9824))"

MEMORANDUM

To: WEQ Executive Committee (EC)

From: Andrew Rodriquez, NERC

Date: September 20, 2007

RE: Minor Corrections to the WEQ 002 OASIS Standards and Communication

During the review process of the "Minor Corrections to the WEQ 002 OASIS Standards and Communication," I noticed one minor correction that needs to be made. For reference, the "Balancing Authority" refers to the functional entity; the "Balancing Area" refers to the electrical area for which the Balancing Authority has responsibility to maintain frequency.

- Section 002-4.3.4.2 – Change references of "Balancing Area" to "Balancing Authority" to be consistent with current NERC terminology.

  Suggested Revised Text:

  The INITIATING_PARTY identifies by Balancing Authority, Reliability Coordinator or Transmission Provider code the entity calling for the "outage" or "limit", and RESPONSIBLE_PARTY identifies the entity (Balancing Authority, Transmission Provider, or Reliability Coordinator) responsible for administering any resulting security procedure that may be instituted.

North American Energy Standards Board

1301 Fannin, Suite 2350, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: naesb@naesb.org
Home Page: www.naesb.org

To: NAESB Wholesale Electric Quadrant Members

From: WEQ Executive Committee

Subject: Minor Correction to NAESB WEQ-009 Standards of Conduct

Date: October 17, 2007

BACKGROUND:

On January 15, 2005, NAESB filed a status report with the Federal Energy Regulatory Commission that contained notice of all of the NAESB WEQ business practice standards adopted to date. The report included the business practice standards adopted as the Standards of Conduct.

On April 25, 2006, FERC issued Order No. 676, Docket No. RM05-5-000, adopted NAESB WEQ business practice standards, however, the FERC did not incorporate by reference the NAESB standards for Standards of Conduct (WEQ 009) "because they duplicate the Commission's regulations on this subject," as noted in paragraph 72 of the final order.

On August 14, 2007, the WEQ Executive Committee (minutes posted on the NAESB web site: http://www.naesb.org/pdf3/weq_ec081407dm.doc), determined through a unanimous vote that the WEQ should no longer maintain business practice standards for Standards of Conduct (adopted as WEQ 009 in the NAESB WEQ Business Practice Standards publication) that duplicate or restate FERC policy (CFR 18 § 358). The business practice standards contained in WEQ 009 published in January 2005 and any modifications to those standards ratified since that time should be removed from the NAESB WEQ business practice standards.

On October 15, 2007, the WEQ Executive Committee met via conference call and determined to process the above change as a minor correction. The action can be taken as a minor correction because minor corrections are defined in the NAESB Operating Procedures (http://www.naesb.org/pdf/operating_procedures.pdf) as:

> *"Minor clarifications and corrections to existing standards include: (a) clarifications or corrections made by a regulatory agency to standards that are of a jurisdictional nature, or by the American National Standards Institute or its successor; (b) clarifications or corrections to the format, appearance, or descriptions of standards in standards documentation; (c) clarifications or corrections to add code values to tables; and (d) clarifications and corrections that do not materially change a standard."*

The WEQ Executive Committee voted unanimously with one abstention to, as a minor correction, delete all of the WEQ-009 Standards of Conduct standards. NAESB WEQ 009-6 standard is duplicated in the OASIS standard WEQ 002-4.5.2, "Information Under Standards of Conduct Link." This standard is not deleted as it does not duplicate FERC regulations, but rather implements the policy through OASIS posting requirements.

MINOR CORRECTION:

Delete WEQ-009 standards in their entirety, as supportive of para. 72, FERC Order No. 676, Docket No. RM05-5-000, issued April 25, 2006.

COMMENTS:

Pursuant to NAESB's procedures for adopting minor corrections (found at pp. 18-19 of the NAESB Operating Procedures, http://www.naesb.org/pdf/operating_procedures.pdf), the public comment period for the minor corrections will begin today, October 17, 2007, and end on October 31, 2007. All comments shall be forwarded to the NAESB office (naesb@naesb.org). Should you have any questions regarding this request, please also contact the NAESB office. If no comments are received, these corrections will be applied to the version 1.0 publication of the NAESB WEQ standards.

NAESB Wholesale Electric Quadrant
Southern Company Generation Comments regarding
Proposed Minor Correction to WEQ-009 Standards of Conduct
October 22, 2007

In response to the request for comments issued by the North American Energy Standards Board ("NAESB") on Wednesday, October 17th, 2007, regarding the proposed minor correction to NAESB WEQ-009 "Standards of Conduct", Southern Company Generation ("SCGen"), who maintains memberships NAESB's Marketer/Broker and Generation segments, submits the following comments.

By way of background, the NAESB Wholesale Electric Quadrant ("WEQ") Executive Committee ("EC") held a conference call on October 15, 2007 to discuss the Federal Energy Regulatory Commission ("FERC") directives associated with NAESB WEQ-009 that resulted from FERC Order 676 on April 25, 2006. The primary purpose of the call was to discuss the disposition of WEQ-009 in advance of the upcoming publication of the 2008 version of the NAESB WEQ Standards Book. As a result of Order 676, FERC failed to adopt WEQ-009, stating that it was a duplication of existing FERC regulations. In response, the WEQ EC proposed to invoke the "minor corrections" provisions of the NAESB Operating Procedures to delete these standards. John Ciza, SCGen's WEQ Generation Segment representative participated on this call and voted in favor of this minor correction. Likewise, Joel Dison, SCGen's WEQ Marketer/Broker Segment representative submitted a notational ballot in support of this minor correction by email on October 19, 2007.

Having previously provided their votes in favor of this minor correction, Mr. Dison and Mr. Ciza are procedurally uncertain as to whether or not it their votes can be rescinded. Nevertheless, upon further consideration, SCGen has revised its position on this action. As such, even if their votes cannot specifically be rescinded, Mr. Dison and Mr. Ciza wish to provide these comments for consideration by the WEQ EC:

Although SCGen does not, in principle, oppose the proposal to delete NAESB WEQ-009, SCGen opposes this specific recommendation from a procedural standpoint. As presented, the proposal to delete the NAESB WEQ-009 Standards of Conduct claims to meet the requirements of a "minor correction" as defined in the NAESB Operating Procedures. Specifically, a minor correction must meet one of the following requirements[1]:

(a) clarifications or corrections made by a regulatory agency,
(b) clarifications or corrections to the format, appearance, or descriptions of standards,
(c) clarifications or corrections to add code values to tables, or
(d) clarifications or corrections that do not materially change a standard.

[1] Requirements are not quoted verbatim; actual requirements can be found in the NAESB Operating Procedures.

SCGen does not believe this proposal meets any of these requirements. The FERC declined to adopt NAESB WEQ-009 because it is a duplication of existing FERC regulations. It is presumed that the NAESB WEQ EC members who approved this proposal believed that this failure to adopt the NAESB standard for the reason stated by FERC constitutes a "clarification or correction made by a regulatory agency". SCGen disagrees with this assessment.

SCGen believes that NAESB Business Practice standards exist to remove ambiguity and uncertainty from the wholesale electric industry. SCGen further believes that FERC chooses to adopt those standards it believes should be enforced through jurisdictional authority. Therefore, by design, standards that are developed by NAESB are often adopted by FERC and included in its regulations by reference. It is SCGen's opinion that FERC's refusal to adopt NAESB WEQ-009 does not, by that sole action, indicate that FERC does not wish NAESB to implement business practices associated with Standards of Conduct; but rather, that it is unnecessary to adopt these standards by reference because they already exist in FERC regulations. Indeed, although FERC did not adopt the NAESB standards, neither did they give NAESB specific instructions to delete them. Rather, they encouraged NAESB to adopt standards that "implement" the FERC regulations rather than duplicate them – noting that they anticipated the WEQ would submit such business practice standards at a later date[2]. Therefore, SCGen does not believe FERC's actions constitute a "clarification or correction made by a regulatory agency" that should result in a de-facto deletion of NAESB WEQ-009. For this reason, SCGen does not agree that this proposal meets the requirement of being a minor correction and therefore, from a procedural integrity standpoint, does not support the action.

The NAESB WEQ-009 Standards of Conduct went through a complete vetting of the WEQ. They were developed by an appropriate subcommittee, presented to the industry for comment, discussed and approved by the WEQ Executive Committee, and ratified by the WEQ membership. At the time these actions took place, it was understood by the vast majority of the WEQ leadership and membership that it was NAESB's responsibility via the WEQ to take ownership of the Standards of Conduct and maintain them on an ongoing basis. That vetting process resulted in a verbatim adoption of the FERC regulations because the WEQ (presumably) was uncomfortable doing anything differently and because, quite frankly, the FERC regulations were already fairly proscriptive. Order 676 corrected that understanding by instructing the WEQ to develop standards that "implement" their regulations rather than duplicate them. This does not, in the opinion of SCGen, automatically mean that WEQ-009 should be deleted, but rather it should be evaluated and, if possible, modified as necessary to be an "implementation" standard. As indicated in this proposed minor correction, the WEQ already has one such standard in WEQ-002-4.5.2.

SCGen agrees, in principle, that it is counter-productive for NAESB to attempt to maintain Business Practice Standards that are an exact duplication of FERC regulation and that; instead, NAESB should develop Business Practice Standards that "implement" FERC policy. SCGen also agrees, in principle, that the FERC regulations regarding the Standards of Conduct are already extremely proscriptive. As such, the WEQ may very well decide that no other "implementation" standards, other than those that exist in WEQ-002-4.5.2, are necessary. In that case, it would be appropriate to delete the NAESB WEQ-009 standards. Indeed, the WEQ

[2] See Order 676 at paragraph 74.

leadership may have already come to that conclusion as a precedent for this proposed “minor correction”. However, in order to confirm that such is the case and in order to protect the integrity of the NAESB process, SCGen believes that the proposal to delete NAESB WEQ-009 should follow a more formal process so that the decision can be properly vetted within the WEQ. Presented within the proper procedural context, SCGen would likely support such a recommendation.

With respect to the upcoming standards publication, SCGen suggests that NAESB WEQ-009 be properly annotated to indicate that this standard is under review with a recommendation for deletion. As always, SCGen appreciates the opportunity to participate in the NAESB process.

Sincerely

Joel Dison
Southern Company Generation
Marketer/Broker Segment

John Ciza
Southern Company Generation
Generation Segment

North American Energy Standards Board

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Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: naesb@naesb.org
Home Page: www.naesb.org

via posting and email

TO:	NAESB Wholesale Electric Quadrant Executive Committee Members
CC:	NAESB Wholesale Electric Quadrant Executive Committee Alternates
FROM:	David P. Huffman, project manager and Rae McQuade, NAESB Executive Director and President
RE:	Executive Committee Consideration of Minor Corrections, Notational Ballot
DATE:	October 17, 2007

Dear WEQ Executive Committee Members and Alternates,

On October 15, 2007 the NAESB WEQ Business Practices Subcommittee (BPS) has identified several minor corrections that should be made to the TLR Business Practice Standard to correct references to the NERC standards. These minor corrections were unanimously approved by the WEQ BPS.

While normally the minor corrections and their text would be discussed at an Executive Committee meeting prior to the vote, it was determined by leadership that a notational vote would be appropriate without prior discussion on the minor corrections. It is the intent of the BPS that if the minor corrections are adopted, that they would be included in the publication of the NAESB Version 1 standards. Should you have concerns with this direction, please inform the NAESB office.

A simple majority vote is required to adopt these minor corrections. Please execute the attached notational ballot and send it to the NAESB Office (713-356-0067 fax or naesb@naesb.org email) by close of business Wednesday October 31, 2007 to cast your vote. The proposed minor corrections are posted on the WEQ Executive Committee page:

Minor Corrections to existing for NAESB WEQ TLR Business Practice Standards

Link to Minor Correction recommendation:

http://www.naesb.org/pdf3/weq_ec101707ballot_attach2.doc

Link to appropriate NAESB standard:

http://www.naesb.org/doc_view2.asp?doc=weq_ec101707ballot_attach1.doc

If you have any questions, please contact Kathy York or Jim Busbin.

Please feel free to call the NAESB office if you have any difficulty retrieving any of this information or need additional assistance. For your reference, I have attached an excerpt from the NAESB Operating Procedures that includes the NAESB Minor Correction Procedure as page 3 of this ballot.

Best Regards,

David P. Huffman

cc: Rae McQuade, President

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NAESB Wholesale Electric Quadrant
Executive Committee Notational Ballot
Due October 31, 2007
To NAESB Office (Fax Number 713-356-0067, email naesb@naesb.org)

Please vote in favor of or in opposition to the following:

Support	Oppose	Action:
		Minor Corrections to existing for NAESB WEQ TLR Business Practice Standards Link to Minor Correction recommendation: http://www.naesb.org/pdf3/weq_ec101707ballot_attach2.doc Link to appropriate NAESB standard: http://www.naesb.org/doc_view2.asp?doc=weq_ec101707ballot_attach1.doc

Member Name: _____

Member Signature: _____

Member Company: _____

Segment: _____

Sub-Segment: _____

Date: _____

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WHOLESALE ELECTRIC QUADRANT
2007 EXECUTIVE COMMITTEE ROSTER

TRANSMISSION SEGMENT		**TERM END:**	**SUBSEGMENT:**
Patrick McGovern	Manager - System Services, Georgia Transmission Corporation	12-31-2007	Muni/Coop
Steven C. Cobb	Manager Transmission Services, Salt River Project	12-31-2008	Fed/State/Prov.
Dean Ulch	Principal Engineer, Transmission Policy and Services Group, Southern Company Services	12-31-2008	IOU
Edward Davis	Policy Consultant, Entergy Services, Inc.	12-31-2007	IOU
Julie Voeck	Manager Strategic Policy and Planning, American Transmission Company	12-31-2008	ITC
Bob Harshbarger	OASIS Trading Manager, Puget Sound Energy	12-31-2007	at large
Linda Campbell	Vice President and Executive Director – Standards and Compliance, Florida Reliability Coordinating Council	12-31-2007	At-Large
GENERATION SEGMENT			
William J. Gallagher	General Manager of Vermont Public Power Supply Authority	12-31-2007	Muni/Coop
Kathy York	Sr. Energy Markets & Policy Specialist, Tennessee Valley Authority	12-31-2008	Fed/State/Prov.
Jalal Babik	Manager – Electric Policy, Dominion Resource Services, Inc.	12-31-2008	IOU
John Ciza	Project Manager Energy Policy and Regulatory Affairs, Southern Company Services	12-31-2007	IOU
V A C A N C Y		12-31-2008	Merchant
Gary Hinners	Director- West regulatory Issues, Reliant Energy, Inc.	12-31-2007	at large
Neal Balu	Director of Transmission Policy, Integrys Energy Services, Inc.	12-31-2007	at large
MARKETERS/BROKERS SEGMENT			
Clay A. Norris	Division Director, Planning, North Carolina Municipal Power Agency #1	12-31-2008	Muni/Coop
Clyde Harmon	Senior Manager, Trading Operations, Tennessee Valley Authority	12-31-2007	Fed/State/Prov.
Ralph Honeycutt	Director of Transmission Analysis & Operations – Merchant Management Group, SUEZ Energy Marketing NA, Inc.	12-31-2008	Not IOU Affiliated
Mark Mitchell	Manager of Power Marketing Supply and Trading Department, Salt River Project	12-31-2007	at large
John Apperson	Director – Commercial and Trading, PacifiCorp Energy	12-31-2008	IOU
Joel Dison	Project Manager, Southern Company Generation and Energy Marketing	12-31-2007	IOU
Barry Green	Barry Green Consulting (representing Electric Power Supply Association (EPSA))	12-31-2007	at large
DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT		**TERM END:**	**SUBSEGMENT:**

North American Energy Standards Board

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Robert Williams	Director of Regulatory Affairs, Florida Municipal Power Agency	12-31-2008	Muni/Coop
Robert Schwermann	Energy Coordinator, Sacramento Municipal Utility District	12-31-2007	Muni/Coop
Alan Pritchard	Senior Engineer, Duke Energy Corporation	12-31-2008	IOU
John McCawley	Director – Energy Acquisition, Exelon Energy Delivery, Exelon Corporation – PECO Energy	12-31-2007	IOU
Robert Martinko	Consultant FERC Compliance, FirstEnergy Service Company	12-31-2008	at large
Syd Berwager	Industry Restructuring Project Manager, Bonneville Power Administration/Power Business Line	12-31-2007	Other
Andy Rodriquez	Manager of Business Practice Coordination, NERC	12-31-2007	At-Large
END USERS SEGMENT			
V A C A N C Y		12-31-2007	at large
V A C A N C Y		12-31-2008	at large
Lou Ann Westerfield	Policy Strategist, Idaho Public Utilities Commission, rep. National Association of Regulatory Utility Commissioners	12-31-2008	Regulator
V A C A N C Y		12-31-2007	at large
V A C A N C Y		12-31-2008	at large
V A C A N C Y		12-31-2007	Large Industrial
Paul Sorenson	Director-Central Markets Strategy, Open Access Technology International, Inc.	12-31-2007	At-Large
INDEPENDENT GRID OPERATORS/PLANNERS			
Stu Bresler	General Manager, Market Operations, PJM Interconnection	12-31-2008	
Jim Castle	Manager, Grid Operations, New York Independent System Operator, Inc.	12-31-2008	
Matt Goldberg	Director Reliability & Operations Compliance ISO New England, Inc.	12-31-2008	
Steve Greenleaf	Director Regional Market Initiatives, California ISO	12-31-2008	
Joel Mickey	Manager Market Operations Support, Electric Reliability Council of Texas	12-31-2007	
Larry Middleton	Technical Manager, Transmission Assets, Midwest Independent Transmission System Operator	12-31-2007	
Charles Yeung	Executive Director Interregional Affairs, Southwest Power Pool	12-31-2007	

North American Energy Standards Board

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Procedures for Minor Corrections as excerpted from the NAESB Operating Procedures

D. Minor Clarifications and Corrections to Standards

Minor clarifications and corrections to existing standards include: (a) clarifications or corrections made by a regulatory agency to standards that are of a jurisdictional nature, or by the American National Standards Institute or its successor; (b) clarifications or corrections to the format, appearance, or descriptions of standards in standards documentation; (c) clarifications or corrections to add code values to tables; and (d) clarifications and corrections that do not materially change a standard.

Any request for a minor clarification or correction to an existing standard should be submitted in writing to the executive director. This request shall include a description of the minor clarification or correction and the reason the clarification or correction should be implemented.

1. Processing of Requests

The executive director shall promptly notify the EC and any appropriate subcommittee(s) of the receipt of the request. The members of the applicable quadrant's EC shall promptly determine whether the request meets the definition of a minor clarification or correction. Through the decision of the vice chair of the applicable quadrant, this determination may be delegated to one of the quadrant's subcommittees, with the concurrence of the subcommittee chair, in which case the subcommittee shall make a prompt decision.

If the request is determined to meet the definition of minor clarification or correction, the applicable quadrant's EC, with input from any subcommittee(s) to which the request has been forwarded, shall act on the request within one month of its receipt. A meeting to discuss the request is not required; the decision may be made by notational vote. A simple majority of the votes received shall determine the outcome. The members of the applicable quadrant's EC shall be given at least three working days to consider and vote on the request.

2. Public Notice

The results of the vote on the request for a minor clarification or correction shall be posted on the NAESB website and the members of the applicable quadrant shall be notified of the request by e-mail. If the request has been approved by the applicable quadrant's EC, the notification shall include a brief description of the request, the contact name and number of the requester so that further information can be obtained, and the proposed effective date of the clarification or correction. The proposed effective date of the minor clarification or correction shall normally be one month from the date of the public notice.

Any interested party shall have an opportunity to comment on the request, and the comments shall be posted on the NAESB website. The comment period is two weeks.

3. Final Disposition of Approved Requests

If no comments are received on an approved request, the standard shall be clarified or corrected as specified in the approved request on the effective date proposed. If comments are received, they shall be forwarded to the members of the applicable quadrant's EC for consideration. Each comment requires a public written response from the applicable quadrant's EC. The applicable quadrant's EC shall determine whether changes are necessary as a result of the comments.

Members of the applicable quadrant's EC shall be given three working days to consider the comments and determine the outcome, which shall be decided by a simple majority of the votes received. A meeting to discuss the request is not required; the decision may be made by notational

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vote. The standard shall be clarified or corrected in accordance with the outcome of the vote, effective with the completion of voting, and notice thereof shall be posted on the NAESB website.

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NORTH AMERICAN ENERGY STANDARDS BOARD
2007 EXECUTIVE COMMITTEE TERMS – Wholesale Electric Quadrant
Ballot due October 31, 2007

TRANSMISSION SEGMENT		**TERM END:**	**VOTE ON MINOR CORRECTIONS TO EXISTING NAESB WEQ TLR BUSINESS PRACTICE STANDARDS**
Patrick McGovern	Manager - System Services, Georgia Transmission Corporation	12-31-2007	**S**
Steven C. Cobb	Manager Transmission Services, Salt River Project	12-31-2008	
Dean Ulch	Principal Engineer, Transmission Policy and Services Group, Southern Company Services	12-31-2008	
Edward Davis	Policy Consultant, Entergy Services, Inc.	12-31-2007	**S**
Julie Voeck	Manager Strategic Policy and Planning, American Transmission Company	12-31-2008	
Bob Harshbarger	OASIS Trading Manager, Puget Sound Energy	12-31-2007	**S**
Linda Campbell	Vice President and Executive Director – Standards and Compliance, Florida Reliability Coordinating Council	12-31-2007	
GENERATION SEGMENT			
William J. Gallagher	General Manager of Vermont Public Power Supply Authority	12-31-2007	**S**
Kathy York	Sr. Energy Markets & Policy Specialist, Tennessee Valley Authority	12-31-2008	**S**
Jalal Babik	Manager – Electric Policy, Dominion Resource Services, Inc.	12-31-2008	**S**
John Ciza	Project Manager Energy Policy and Regulatory Affairs, Southern Company Services	12-31-2007	
V A C A N C Y		12-31-2008	
Gary Hinners	Director- West regulatory Issues, Reliant Energy, Inc.	12-31-2007	
Neal Balu	Director of Transmission Policy, Integrys Energy Services, Inc.	12-31-2007	
MARKETERS/BROKERS SEGMENT			
Clay A. Norris	Division Director, Planning, North Carolina Municipal Power Agency #1	12-31-2008	
Valerie Crockett, Alt. for C. Harmon	Senior Manager, Trading Operations, Tennessee Valley Authority	12-31-2007	**S**
Ralph Honeycutt	Director of Transmission Analysis & Operations – Merchant Management Group, SUEZ Energy Marketing NA, Inc.	12-31-2008	
Mark Mitchell	Manager of Power Marketing Supply and Trading Department, Salt River Project	12-31-2007	**S**
John Apperson	Director – Commercial and Trading, PacifiCorp	12-31-2008	**S**

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	Energy		
Joel Dison	Project Manager, Southern Company Generation and Energy Marketing	12-31-2007	**S**
Barry Green	Barry Green Consulting (representing Electric Power Supply Association (EPSA))	12-31-2007	

DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT		**TERM END:**	**SUBSEGMENT:**
Robert Williams	Director of Regulatory Affairs, Florida Municipal Power Agency	12-31-2008	
Robert Schwermann	Energy Coordinator, Sacramento Municipal Utility District	12-31-2007	
Alan Pritchard	Senior Engineer, Duke Energy Corporation	12-31-2008	
John McCawley	Director – Energy Acquisition, Exelon Energy Delivery, Exelon Corporation – PECO Energy	12-31-2007	
Robert Martinko	Consultant FERC Compliance, FirstEnergy Service Company	12-31-2008	**S**
Syd Berwager	Industry Restructuring Project Manager, Bonneville Power Administration/Power Business Line	12-31-2007	**S**
Andy Rodriquez	Manager of Business Practice Coordination, NERC	12-31-2007	
END USERS SEGMENT			
V A C A N C Y		12-31-2007	
V A C A N C Y		12-31-2008	
Lou Ann Westerfield	Policy Strategist, Idaho Public Utilities Commission, rep. National Association of Regulatory Utility Commissioners	12-31-2008	
V A C A N C Y		12-31-2007	
V A C A N C Y		12-31-2008	
V A C A N C Y		12-31-2007	
Paul Sorenson	Director-Central Markets Strategy, Open Access Technology International, Inc.	12-31-2007	
INDEPENDENT GRID OPERATORS/PLANNERS			
Stu Bresler	General Manager, Market Operations, PJM Interconnection	12-31-2008	**S**
Jim Castle	Manager, Grid Operations, New York Independent System Operator, Inc.	12-31-2008	
Matt Goldberg	Director Reliability & Operations Compliance ISO New England, Inc.	12-31-2008	
Steve Greenleaf	Director Regional Market Initiatives, California ISO	12-31-2008	
Joel Mickey	Manager Market Operations Support, Electric Reliability Council of Texas	12-31-2007	
Larry Middleton	Technical Manager, Transmission Assets, Midwest Independent Transmission System Operator	12-31-2007	
Charles Yeung	Executive Director Interregional Affairs, Southwest Power Pool	12-31-2007	

NAESB WEQ FINAL ACTION RATIFIED 09/01/2006

Requesters: Business Practices Subcommittee
Request No.: R06002
Request Title: Version 0 Business Practices Standards – Modifcation of Pre-split "Version 0" Transmission Loading Relief Business Practice Standard

NAESB Transmission Loading Relief Business Practices Draft – March 3, 2006 (incorporating SPP Regional Differences)

Transmission Loading Relief Business Practices – Eastern Interconnection

Purpose:

This business practice standard defines the requirements necessary to complement transmission loading relief procedures needed for curtailment and reloading of Interchange Transactions to relieve overloads on transmission facilities modeled in the Interchange Distribution Calculator (IDC).

Applicability:

These requirements may be used to relieve congestion on any facility modeled within the IDC or an equivalent interconnection model.

Definitions:

Approval Entity – An entity that has approval rights for an Interchange Transaction Tag. This includes Transmission Service Providers (TSPs), Balancing Authorities (BAs), Purchasing-Selling Entities (PSEs), and Load Serving Entities (LSEs) involved in the Interchange Transaction.

Area Control Error (ACE) – The instantaneous difference between a Balancing Authority's net actual and scheduled interchange, taking into account the effects of Frequency Bias and correction for meter error.

Automatic Generation Control (AGC) – Equipment that automatically adjusts generation in a Balancing Authority Area from a central location to maintain the Balancing Authority's interchange schedule plus Frequency Bias. AGC may also accommodate automatic inadvertent payback and time error correction.

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NAESB WEQ FINAL ACTION RATIFIED 09/01/2006

Requesters: Business Practices Subcommittee
Request No.: R06002
Request Title: Version 0 Business Practices Standards – Modifcation of Pre-split "Version 0" Transmission Loading Relief Business Practice Standard

NAESB Transmission Loading Relief Business Practices Draft – March 3, 2006 (incorporating SPP Regional Differences)

Balancing Authority (BA) – The entity responsible for integrating resource plans ahead of time, maintaining load-interchange-generation balance within a Balancing Authority Area, and supporting Interconnection frequency in real time.

Balancing Authority Area (BAA) - An electrical system bounded by Interconnection (tie-line) metering and telemetry, where the Balancing Authority controls (either directly or by contract) generation to maintain its Interchange Schedule with other Balancing Authority Areas and contributes to frequency regulation of the Interconnection.

Bulk Electric System – The electrical generation resources, transmission lines, interconnections with neighboring systems, and associated equipment, generally operated at voltages of 100 kV or higher. Radial transmission facilities serving only load with one transmission source are generally not included in this definition.

Constrained Facility – A transmission facility (line, transformer, breaker, etc.) that is approaching, is at, or is beyond its SOL or IROL.

Constrained Flowgate - A Flowgate that is approaching, is at, or is beyond System Operating Limits (SOL) or Interconnection Reliability Operating Limits (IROL).

Constraint – A limitation placed on Interchange Transactions that flow over a Constrained Facility or Flowgate.

Contract Path - A predetermined Transmission Service electrical path between contiguous Transmission Service Providers established for scheduling and commercial settlement purposes that represents the continuous flow of electrical energy between the parties to a transaction.

Curtailment Threshold – The minimum Transfer Distribution Factor which, if exceeded, will subject an Interchange Transaction to curtailment to relieve a transmission facility Constraint.

Dynamic Schedule – A telemetered reading or value that is updated in real time and used as a schedule in the AGC/ACE equation and the integrated value of which is treated as a schedule for interchange accounting purposes. Commonly used for scheduling jointly owned generation to or from another Balancing Authority Area.

Firm Transmission Service - The highest quality service offered to customers under a filed rate schedule that anticipates no planned interruption. Firm Transmission Service

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NAESB WEQ FINAL ACTION RATIFIED 09/01/2006

Requesters: **Business Practices Subcommittee**
Request No.: **R06002**
Request Title: **Version 0 Business Practices Standards – Modifcation of Pre-split "Version 0" Transmission Loading Relief Business Practice Standard**

includes Firm Point-to-point Transmission Service and Firm Network Integration Transmission Service.

Flowgate – A designated point of the transmission system through which the Interchange Distribution Calculator calculates the power flow from Interchange Transactions.

Frequency Bias – A value, usually expressed in megawatts per 0.1 hertz (MW/0.1 Hz), associated with a Balancing Authority Area that approximates the Balancing Authority Area's response to Interconnection and frequency error.

Generation Shift Factor (GSF) – A factor to be applied to a generator's expected change in output to determine the amount of flow contribution that change in output will impose on an identified transmission facility or monitored Flowgate.

Generator-to-Load Distribution Factor (GLDF) - The algebraic sum of a GSF and an LSF to determine to total impact of an Interchange Transaction on an identified transmission facility or monitored Flowgate.

Interchange Distribution Calculator (IDC) – The mechanism used by Reliability Coordinators in the Eastern Interconnection to calculate the distribution of Interchange Transactions over specific transmission interfaces, which are known as "Flowgates." It includes a database of all Interchange Transactions and a matrix of the Distribution Factors for the Eastern Interconnection.

Interchange Transaction - A transaction that crosses one or more Balancing Authorities' boundaries. The planned energy exchange between two adjacent Balancing Authorities.

Interchange Transaction Tag (Tag) – An Interchange Transaction being submitted for implementation according to NERC "Electronic Tagging Functional Specification", version 1.7.095

Interconnection – Any one of the three major electric system networks in North America: Eastern, Western, and ERCOT.

Interconnection Reliability Operating Limit (IROL) – The value (such as MW, MVar, Amperes, Frequency or Volts) derived from, or a subset of, the System Operating Limit, which if exceeded, could expose a widespread area of the Bulk Electric System to instability, uncontrolled separation(s) or cascading outages.

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NAESB WEQ FINAL ACTION RATIFIED 09/01/2006

Requesters: **Business Practices Subcommittee**
Request No.: **R06002**
Request Title: **Version 0 Business Practices Standards – Modifcation of Pre-split "Version 0" Transmission Loading Relief Business Practice Standard**

NAESB Transmission Loading Relief Business Practices Draft – March 3, 2006 (incorporating SPP Regional Differences)

Load Shift Factor (LSF) - A factor to be applied to a load's expected change in demand to determine the amount of flow contribution that change in demand will impose on an identified transmission facility or monitored Flowgate.

Native Load (NL) - The demand imposed on an electric utility or an entity by the requirements of all customers located within a franchised service territory that the electric utility or entity has statutory or contractual obligation to serve.

NERC – North American Electric Reliability Council

Network Integration (NI) Transmission Service – As specified in the Transmission Service Provider's tariff, service that allows an electric Transmission Customer to integrate, plan, economically dispatch and regulate its network resources in a manner comparable to that in which the transmission owner serves Native Load customers.

Non-Firm Transmission Service - As specified in the Transmission Service Provider's tariff, transmission service that is reserved and scheduled on an as-available basis and is subject to curtailment or interruption, and has less priority than Firm Transmission.

Per Generator Method – A methodology used by the IDC to calculate the portion of parallel flows on any Constrained Facility or Flowgate due to Network Integrated (NI) transmission service customers and service to Native Load (NL) customers for each Balancing Authority.

Point-to-point (PTP) Transmission Service - As specified in the Transmission Service Providers tariff, Transmission Service reserved and/or scheduled between specified points of receipt and delivery.

Purchasing-Selling Entity (PSE) – The entity that purchases or sells and takes title to energy capacity and interconnected operations services. PSE's may be affiliated or unaffiliated merchants and may and may not own generating facilities.

Reliability Coordinator Information System (RCIS) –The system that Reliability Coordinators use to post messages and share operating information in real time.

Reallocation – The process used to totally or partially curtail Transactions during TLR levels 3a, 3b or 5a events to allow Transactions using equal or higher priority to be implemented.

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NAESB Transmission Loading Relief Business Practices Draft – March 3, 2006 (incorporating SPP Regional Differences)

Reliability Area - The collection of generation, transmission, and loads within the boundaries of a Reliability Coordinator. Its boundary coincides with one or more Balancing Authority Areas.

Reliability Coordinator (RC) - An entity that provides the security assessment and emergency operations coordination for a group of Balancing Authorities, Transmission Service Providers, and Transmission Operators.

Sink Balancing Authority - The Balancing Authority in which the load (Sink) is located for an Interchange Transaction. (This will also be a receiving Balancing Authority for the resulting Interchange Schedule).

System Operating Limit (SOL) - The value (such as MW, MVar, Amperes, Frequency or Volts) that satisfies the most limiting of the prescribed operating criteria for a specified system configuration to ensure operation within acceptable reliability criteria. System Operating Limits are based upon certain operating criteria.

Tie Facility(ies) – The transmission facility(ies) interconnecting Balancing Authority Areas.

Transfer Distribution Factor (TDF) - The portion of an Interchange Transaction, expressed in percent that flows across a transmission facility (Flowgate).

Transmission Customer - Any eligible customer (or its designated agent) that can or does execute a transmission service agreement or can or does receive transmission service.

Transmission Loading Relief (TLR) - A procedure used in the Eastern Interconnection to relieve potential or actual loading on a Constrained Facility or Flowgate.

Transmission Operator – The entity that operates or directs the operations of transmission facilities.

Transmission Service – Services needed to move energy from a receipt point to a delivery point provided to Transmission Customers by Transmission Service Providers.

Transmission Service Provider (TSP) or Transmission Provider (TP) - The entity that administers the transmission tariff and provides transmission services to qualified Transmission Customers under applicable transmission service agreements.

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Request No.: **R06002**
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NAESB Transmission Loading Relief Business Practices Draft – March 3, 2006 (incorporating SPP Regional Differences)

Business Practice Requirements:

1. General Requirements Regarding use of Interconnection-wide TLR procedures

1.1. **Use of Interconnection-wide TLR procedures.** All Reliability Coordinators shall be obligated to follow the transmission loading relief procedures associated with the appropriate Interconnection-wide TLR procedure for their Interconnection.

1.2. **Use of local procedures.** A Reliability Coordinator shall be allowed to implement a local transmission loading relief or congestion management procedure simultaneously with the Interconnection-wide TLR procedure.

1.2.1. The Reliability Coordinator shall revert back to the Interconnection-wide TLR procedure in the event local procedures do not adequately alleviate the Interconnection Reliability Operating Limits (IROL) or System Operating Limits (SOL) violation.

1.3. **Market-based congestion management or re-dispatch procedures**. Regulatory-approved market-based congestion management or re-dispatch procedures shall be allowed as a supplement to, or substitute for, the Interconnection-wide TLR procedure.

1.3.1. The Reliability Coordinator shall ensure that transactions associated with Point-to-point Transmission Service, Network Integration Transmission Service, and Transmission Service associated with Native Load, having been identified as linked with a Regulatory-approved Market-based congestion management procedure, are protected from curtailment to the extent that the Regulatory-approved Market-based congestion management procedure allows.

1.3.1.1.The Interchange Transaction shall retain its original transmission service priority for purposes of curtailment when the transmission service is not reserved on the Constrained Facility or Flowgate.

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1.3.2. The Reliability Coordinator shall revert back to the Interconnection-wide TLR procedure in the event Market-based procedures do not adequately alleviate the IROL or SOL violations.

1.4. **Regional differences.** Regional methods are included in this standard in Appendix D.

1.5. **Commercial notifications.** The Reliability Coordinator shall simultaneously notify all parties affected by the invocation of a local congestion management procedure or the Interconnection-wide TLR procedure, using the notification method as specified by NERC (e.g. – the Reliability Coordinator Information System or successor).

1.6. **Access to procedure logs.** The Reliability Coordinator shall ensure that NERC TLR logs specifying the details associated with the initiation of TLR level 2 or higher and/or the invocation of the Interconnection-wide TLR procedure are available, subject to applicable confidentiality requirements, to all market participants, regardless of the procedure used to achieve that relief.

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2. Interchange Transaction Priorities for Use with Interconnection-wide TLR procedures

2.1. **Priority of Interchange Transactions**. The Reliability Coordinator shall recognize the Interchange Transaction priority determined by the Transmission Service reserved as follows:

2.1.1. Priority 0. Next-hour Market Service – NX (if offered by Transmission Service Provider)

2.1.2. Priority 1. Service over secondary receipt and delivery points – NS

2.1.3. Priority 2. Non-Firm Point-to-point Hourly Service – NH

2.1.4. Priority 3. Non-Firm Point-to-point Daily Service – ND

2.1.5. Priority 4. Non-Firm Point-to-point Weekly Service – NW

2.1.6. Priority 5. Non-Firm Point-to-point Monthly Service – NM

2.1.7. Priority 6. Network Integration Transmission Service from sources not designated as network resources – NN

2.1.8. Priority 7. Firm Point-to-point Transmission Service - (F) and Network Integration Transmission Service from Designated Resources – (FN)

2.2. **Interchange Transaction priority when Transmission Service is reserved on the Constrained Facility(ies) or Flowgate(s).** The Reliability Coordinator shall use the following procedure to establish the priority of an Interchange Transaction when Transmission Service is reserved on a Contract Path that includes the Constrained Facility(ies) or Flowgate(s): (See Appendix A for examples)

2.2.1. The Reliability Coordinator shall assign priority to the Interchange Transaction based upon the Transmission Service priority of the Transmission Service link with the Constrained

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Facility or Flowgate regardless of the Transmission Service priority on the other links along the Contract Path.

2.2.1.1. The Reliability Coordinator shall consider the entire Interchange Transaction Non-Firm if the transmission link (i.e. a segment on the Contract Path) on the Constrained Facility or Flowgate is Non-Firm Transmission Service, even if other links in the Contract Path are Firm.

2.2.1.2. The Reliability Coordinator shall consider the entire Interchange Transaction Firm if the transmission link on the Constrained Facility or Flowgate is Firm Transmission Service, even if other links in the Contract Path are Non-Firm.

2.3. **Interchange Transaction priority when Transmission Service is not reserved on the Constrained Facility(ies) or Flowgate(s).** The Reliability Coordinator shall use the following procedure to establish the priority of an Interchange Transaction when Transmission Service is reserved on a Contract Path that does not include the Constrained Facility or Flowgate: (See Appendix A for examples)

2.3.1. The Reliability Coordinator shall assign priority to the Interchange Transaction based upon the lowest Transmission Service priority of all Transmission Service links along the Contract Path.

2.3.1.1. The Reliability Coordinator shall consider the entire Interchange Transaction Non-Firm if any of the transmission links on the Contract Path are Non-Firm Transmission Service.

2.3.1.2. The Reliability Coordinator shall consider the entire Interchange Transaction Firm if all of the transmission links on the Contract Path are Firm Transmission Service, even if none of the transmission links are on the Constrained Facility or Flowgate, and shall not be curtailed to relieve a Constraint off the Contract Path until all Non-Firm Interchange Transactions that are at or above the Curtailment Threshold have been curtailed.

2.4. **Sub-priorities during Reallocation.** During Reallocation, the Reliability Coordinator shall utilize the following sub-priorities as established in the

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IDC, listed from highest priority to lowest priority, within each Non-Firm Transmission Service priority for determining how pending Interchange Transactions with equal or higher priority Transmission Service shall be loaded:

2.4.1. Sub-priority S1. Sub-priority S1 shall be assigned to that portion of an Interchange Transaction that is already flowing.

2.4.2. Sub-priority S2. Sub-priority S2 shall be assigned to that portion of an Interchange Transaction that has been curtailed or held by the Interconnection-wide TLR procedure.

2.4.3. Sub-priority S3. Sub-priority S3 shall be assigned to that incremental portion of an already flowing Interchange Transaction that is scheduled to increase from its current hour schedule in the upcoming hour in accordance with its energy profile, or schedules submitted prior to the implementation of the Interconnection-wide TLR procedure.

2.4.4. Sub-priority S4. Sub-priority S4 shall be assigned to a new or revised Interchange Transaction that is submitted after the Interconnection-wide TLR procedure has been declared.

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NAESB Transmission Loading Relief Business Practices Draft – March 3, 2006 (incorporating SPP Regional Differences)

3. Eastern Interconnection Procedure for Physical Curtailment of Interchange Transactions

3.1. **TLR level 1.** When a Reliability Coordinator has initiated a TLR level 1 (Notify all Reliability Coordinators of potential SOL or IROL Violations), the Reliability Coordinator shall take no action against any Interchange Transaction.

3.2. **TLR level 2.** When a Reliability Coordinator has initiated a TLR level 2 (Hold transfers at present level to prevent SOL or IROL Violations), the Reliability Coordinator shall take the following actions:

3.2.1. The Reliability Coordinator should ensure that TLR level 2 is a transient state so that Interchange Transactions are properly initiated according to their transmission reservation priority.

3.2.1.1.The Reliability Coordinator should make best efforts possible to ensure that TLR level 2 does not exceed 30 minutes in duration.

3.2.1.2.If TLR level 2 exceeds 30 minutes in duration, the Reliability Coordinator shall document this action on the NERC TLR log.

3.2.2. The Reliability Coordinator shall hold the implementation of any additional Interchange Transactions using Non-Firm Transmission Service that are at or above the Curtailment Threshold.

3.2.3. The Reliability Coordinator shall allow additional Interchange Transactions that flow across the Constrained Facility or Flowgate to be initiated if their flow reduces the loading on the Constrained Facility or Flowgate or has a Transfer Distribution Factor (TDF) less than the Curtailment Threshold.

3.2.4. The Reliability Coordinator shall allow all Interchange Transactions using Firm Transmission Service to be initiated.

3.2.5. If an Interchange Transaction is identified as a Dynamic Schedule and the Transmission Service is considered Firm according to the constrained path method, then it will not be held by the IDC during TLR

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level 4 or lower. Adjustments to Dynamic Schedules in accordance with NERC INT-004-1 ~~R5~~ will not be held under TLR level 4 or lower.

3.3. **TLR level 3a.** When a Reliability Coordinator has initiated a TLR level 3a (Reallocation of Transmission Service by curtailing Interchange Transactions using Non-Firm Transmission Service to allow Interchange Transactions using higher priority Transmission Service to start), the Reliability Coordinator shall take the following actions:

3.3.1. The Reliability Coordinator shall allow those Interchange Transactions using Firm Transmission Service that have been submitted prior to the NERC-approved tag submission deadline for Reallocation (*as found in* NERC IRO-006-~~41, effective date August 8, 2005~~) - to be initiated as scheduled.

3.3.1.1. The Reliability Coordinator shall hold an Interchange Transaction using Firm Transmission Service if the Interchange Transaction is submitted after the NERC-approved tag submission deadline for Reallocation during TLR level 3a, but shall allow the transaction to start in the following hour.

3.3.1.2. Reallocations for Dynamic Schedules are as follows: If an Interchange Transaction is identified as a Dynamic Schedule and the Transmission Service is considered Firm according to the constrained path method, then it will not be held by the IDC during TLR level 4 or lower. Adjustments to Dynamic Schedules in accordance with NERC INT-004-1 ~~R5~~ will not be held under TLR level 4 or lower.

3.3.2. The Reliability Coordinator with the constraint shall consider for curtailment those Interchange Transactions using lower priority Non-Firm Transmission Service as specified in Requirement 2, "Interchange Transaction Priorities for use with Interconnection-wide TLR procedures" to allow higher priority Transmission Service schedules to start.

3.3.2.1.The Reliability Coordinator shall consider only those Interchange Transactions that have been submitted prior to the NERC-

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approved tag submission deadline for Reallocation during TLR level 3a for the upcoming hour.

3.3.2.1.1. Interchange Transactions submitted after this deadline shall be considered for Reallocation for the following hour. This applies to Interchange Transactions using either Non-firm Transmission Service or Firm Transmission Service. If an Interchange Transaction using Firm Transmission Service is submitted after the NERC-approved tag submission deadline and after the TLR is declared, that Transaction shall be held and then allowed to start in the upcoming hour.

3.3.2.2.The Reliability Coordinator shall only consider those Interchange Transactions at or above the Curtailment Threshold for which the Interconnection-wide TLR procedure is called.

3.3.2.3. The Reliability Coordinator shall displace Interchange Transactions utilizing lower priority Transmission Service with Interchange Transactions utilizing higher priority Non-Firm or Firm Transmission Service.

3.3.2.4. The Reliability Coordinator shall not curtail Interchange Transactions using Non-Firm Transmission Service to allow the initiation or increase of another transaction having the same Non-Firm Transmission Service priority.

3.3.2.5.If all Interchange Transactions using Non-Firm Transmission Service have been curtailed and there are additional requests to allow Interchange Transactions using Firm Transmission Service to begin that cannot be accommodated without violating an SOL/IROL, the Reliability Coordinator shall initiate TLR level 4 or level 5a as appropriate.

3.3.2.6.The Reliability Coordinator shall reload curtailed Interchange Transactions prior to starting new or increasing existing Interchange Transactions.

3.3.2.6.1. Interchange Transactions that were submitted prior to the initiation of the Interconnection-wide TLR procedure

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but were subsequently held from starting because they failed to meet the NERC-approved tag submission deadline for Reallocation during TLR level 3a or were held over from a TLR level 2, shall be considered to have been curtailed and thus would be eligible for reload at the same time as the curtailed Interchange Transaction.

3.3.3. The Reliability Coordinator shall consider for Reallocation and/or reload Interchange Transactions that have been held or curtailed as prescribed in this business practice standard according to their Transmission Service priorities when operating conditions permit.

3.3.3.1.The Reliability Coordinator shall fill available transmission capability by reloading or starting eligible Transactions using the Sub-priorities assigned in Requirements 2.4.1 through 2.4.4. In case all of the transactions in a sub-priority cannot be reloaded, the transactions in that sub-priority shall be loaded based on a pro rata basis by allocating the remaining available transmission capability in proportion to the scheduled amount.

3.3.4. The Reliability Coordinator shall consider for Reallocation Interchange Transactions that meet the NERC-approved tag submission deadline at the start of the following hour.

3.3.5. In considering transactions using Non-Firm Transmission Service for curtailment and/or Reallocation, the Reliability Coordinator shall consider transaction sub-priorities as follows:

3.3.5.1. Interchange Transactions with sub-priority S1 shall be allowed to continue flowing at the lesser of its current hour MW level or the MW level specified in the schedule for the upcoming hour. For calculated values less than zero, zero shall be used.

3.3.5.2.Interchange Transactions with sub-priority S2 shall be allowed to reload to the lesser of its current hour MW level or the MW level specified in the schedule for the upcoming hour. For calculated values less than zero, zero shall be used.

3.3.5.3. Interchange Transactions with sub-priority S3 shall be allowed to increase from its current hour MW level to the MW level specified

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in its schedule for the upcoming hour. For calculated values less than zero, zero shall be used.

3.3.5.4. Interchange Transactions with sub-priority S4 shall be allowed to start once all other Interchange Transactions with the same Transmission Service priority submitted prior to the initiation of the Interconnection-wide TLR procedure have been (re-)loaded.

3.4. **TLR level 3b.** When a Reliability Coordinator has initiated a TLR level 3b (curtail Interchange Transactions using Non-Firm Transmission Service arrangements to mitigate a SOL or IROL violation), the Reliability Coordinator shall take the following actions:

3.4.1. The Reliability Coordinator shall allow Interchange Transactions using Firm Transmission Service to start if they are submitted prior to the NERC-approved tag submission deadline during TLR level 3b.

3.4.1.1.The Reliability Coordinator shall only consider those Interchange Transactions at or above the Curtailment Threshold for which the Interconnection-wide TLR procedure is called.

3.4.1.2.Reallocations for Dynamic Schedules are as follows: If an Interchange Transaction is identified as a Dynamic Schedule and the Transmission Service is considered Firm according to the constrained path method, then it will not be held by the IDC during TLR level 4 or lower. Adjustments to Dynamic Schedules in accordance with NERC INT-004-1 ~~R5~~ will not be held under TLR level 4 or lower.

3.4.2. To mitigate a SOL or IROL in the current hour, the Reliability Coordinator shall curtail Interchange Transactions using Non-Firm Transmission Service that are at or above the Curtailment Threshold as defined in section 3.10 and use the Interchange Transaction priorities as specified in Requirement 2 "Interchange Transaction Priorities for use with Interconnection-wide TLR procedures."

3.4.3. To continue mitigation of the SOL or IROL for the beginning of the next hour, the Reliability Coordinator shall curtail additional Interchange Transactions using Non-Firm Transmission Service to provide transmission capacity for Interchange Transactions using Firm

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Transmission Service or Interchange Transaction using higher priority Non-Firm Transmission Service utilizing the Reallocation procedures as specified in Requirement 3.3.

3.4.4. If all Interchange Transactions using Non-Firm Transmission Service have been curtailed and there are additional requests to allow Interchange Transactions using Firm Transmission Service to begin that cannot be accommodated without violating an SOL/IROL, the Reliability Coordinator shall initiate TLR level 4, level 5a, or level 5b as appropriate.

3.5. **TLR level 4.** When a Reliability Coordinator has initiated a TLR level 4 (Reconfigure Transmission), the Reliability Coordinator shall take the following actions:

3.5.1. The Reliability Coordinator shall hold (not implement) all new Interchange Transactions using Non-Firm Transmission Service that are at or above the Curtailment Threshold.

3.5.2. The Reliability Coordinator shall allow Interchange Transactions using Firm Transmission Service to start if they are submitted prior to the NERC-approved tag submission deadline during TLR level 3b.

3.5.2.1.If an Interchange Transaction is identified as a Dynamic Schedule and the Transmission Service is considered Firm according to the constrained path method, then it will not be held by the IDC during TLR level 4 or lower. Adjustments to Dynamic Schedules in accordance with NERC INT-004-1 ~~R5~~ will not be held under TLR level 4 or lower.

3.6. **TLR level 5a.** When a Reliability Coordinator has initiated a TLR level 5a, the Reliability Coordinator shall allow additional Interchange Transactions using Firm Transmission Service to be implemented after all Interchange Transactions using Non-Firm Transmission Service have been curtailed. The Reliability Coordinator shall reallocate Transmission Service by curtailing on a pro rata basis Interchange Transactions using Firm Transmission Service to allow additional Interchange Transactions using Firm Transmission Service to start on a pro rata basis. These actions

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shall be taken in accordance with the NERC-approved tag submission deadline for Reallocation.

3.6.1. The Reliability Coordinator shall only consider those Interchange Transactions at or above the Curtailment Threshold for which the Interconnection-wide TLR procedure is called.

3.6.2. The Reliability Coordinator shall use the following process for reallocation of Interchange Transactions using Firm Transmission Service:

3.6.2.1.The Reliability Coordinator shall assist the Transmission Operator(s) in identifying known re-dispatch options that are available to the Transmission Customer that will mitigate the loading on the Constrained Facilities or Flowgates.

3.6.2.1.1. If such re-dispatch options are deemed insufficient to mitigate loading on the Constrained Facilities or Flowgates, the Reliability Coordinator shall continue to implement these re-dispatch options while simultaneously implementing other actions as described in this requirement.

3.6.2.2.The Reliability Coordinator shall calculate the percent of the overload on the Constrained Facility or Flowgate caused by Interchange Transactions utilizing Firm Transmission Service that are at or above the Curtailment Threshold and the Transmission Provider's Native Load and untagged Network Integration Transmission Service, as required by the Transmission Provider's filed tariff and as described in requirement 3.11, "Parallel flow calculation procedure for reallocating or curtailing Firm Transmission Service."

3.6.2.3.The Reliability Coordinator shall curtail or reallocate Interchange Transactions utilizing Firm Transmission Service and ask for relief from the Transmission Provider's Native Load and untagged Network Integration Transmission Service as identified in requirement 3.6.1.2 to allow the start of additional Interchange Transactions utilizing Firm Transmission Service provided those transactions were submitted in accordance to the NERC-approved tag submission deadline for Reallocation during TLR level 5a.

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3.6.2.3.1. The Reliability Coordinator shall assist the Transmission Provider in curtailing Transmission Service to Network Integration Transmission Service customers and Native Load if such curtailments are required by the Transmission Provider's tariff.

3.6.2.3.2. The Reliability Coordinator will assist the Transmission Provider to ensure that available re-dispatch options will continue to be implemented.

3.7. **TLR level 5b.** When a Reliability Coordinator has initiated a TLR level 5b (curtail Interchange Transactions using Firm Transmission Service to mitigate a SOL or IROL violation), the Reliability Coordinator shall take the following actions:

3.7.1. The Reliability Coordinator shall use the following process for curtailment of Interchange Transactions using Firm Transmission Service:

3.7.1.1.The Reliability Coordinator shall assist the Transmission Operator(s) in identifying those known re-dispatch options that are available to the Transmission Customer that will mitigate the loading on the Constrained Facilities or Flowgates.

3.7.1.1.1. If such re-dispatch options are deemed insufficient to mitigate loading on the Constrained Facilities or Flowgates, the Reliability Coordinator shall continue to implement these re-dispatch options while simultaneously implementing other actions as described in this requirement.

3.7.1.2.The Reliability Coordinator shall calculate the percent of the overload on the Constrained Facility or Flowgate caused by Interchange Transactions utilizing Firm Transmission Service that are at or above the Curtailment Threshold and the Transmission Provider's Native Load and untagged Network Integration Transmission Service, as required by the Transmission Provider's filed tariff and as described in Requirement 3.11, "Parallel flow calculation procedure for reallocating or curtailing Firm Transmission Service."

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3.7.1.3.The Reliability Coordinator shall curtail Firm Interchange Transactions utilizing Firm Transmission Service and shall ask for relief from the Transmission Provider's Native Load and untagged Network Integration Transmission Service as calculated in requirement 3.7.1.2 until the SOL or IROL violation has been mitigated.

3.7.1.3.1. The Reliability Coordinator will assist the Transmission Provider to ensure that available re-dispatch options will continue to be implemented.

3.7.1.3.2. The Reliability Coordinator shall assist the Transmission Provider in curtailing Transmission Service to Native Load and untagged Network Integration Transmission Service customers if such curtailments are required by the Transmission Provider's tariff.

3.8. **TLR level 6.** When a Reliability Coordinator initiates a TLR level 6 (emergency conditions), all parties shall comply with the Reliability Coordinator's (s') requests to return the system to a secure state.

3.9. **TLR level 0.** The Reliability Coordinator shall notify all affected parties when the Reliability Coordinator has returned the system to a reliable state.

3.9.1. The Reliability Coordinator shall re-establish Interchange Transactions at its discretion. Those with the highest transmission priorities shall be re-established first, as described in requirement 2.1, as practicable.

3.10. **Curtailment Threshold.** The Curtailment Threshold for the Eastern Interconnection shall be 0.05 (5%).

3.11. **Parallel flow calculation procedure for reallocating or curtailing Firm Transmission Service.** The Reliability Coordinator initiating a curtailment shall identify for curtailment all firm transmission services (i.e. PTP, NI, and service to NL) that contribute to the flow on any Constrained Facility or Flowgate by an amount greater than or equal to the Curtailment Threshold on a pro rata basis.

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Requesters: Business Practices Subcommittee
Request No.: R06002
Request Title: Version 0 Business Practices Standards – Modifcation of Pre-split "Version 0" Transmission Loading Relief Business Practice Standard

3.11.1. The Reliability Coordinator shall use Transfer Distribution Factors (TDF's) to calculate the portion of parallel flows on any Constrained Facility or Flowgate due to Interchange Transactions using Firm Transmission Service.

3.11.1.1. Only those Interchange Transactions with TDF's greater than or equal to the Curtailment Threshold shall be considered.

3.11.2. The Reliability Coordinator shall use the Per Generator Method to calculate the portion of parallel flows on any Constrained Facility or Flowgates due to Network Integrated (NI) transmission service customers and service to Native Load (NL) customers for each Balancing Authority (See Appendix B for examples).

3.11.2.1. The Reliability Coordinator shall assign the amount of Constrained Facility or Flowgate relief that must be achieved by each NI transmission service or NL customers within a given Balancing Authority.

3.11.2.1.1. For each NI transmission service or NL customer, the Reliability Coordinator shall determine the amount of flow contributing to the Constrained Facility or Flowgate from those generators assigned to that customer using Generator-to-Load Distribution Factors (GLDFs) for those generators.

3.11.2.1.2. The GLDF for each generator shall determine the impact that generator has on the Constrained Facility or Flowgate.

3.11.2.1.3. The sum of the contributions to the Constrained Facility or Flowgate from all generators assigned to the NI transmission service or NL customer shall be the amount of relief assigned to that customer.

3.11.2.1.4. The Reliability Coordinator shall not specify how the reduction will be achieved.

3.11.2.2. GLDFs shall be calculated for each NI transmission service and NL customer as the Generation Shift Factors (GSFs) of the NI

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transmission service or NL customer's assigned generation minus its Load Shift Factors (LSFs).

3.11.2.2.1. GSFs shall be calculated from a single bus in the study case.

3.11.2.2.2. LSFs shall be calculated by scaling load.

3.11.2.2.3. The GLDFs must be greater than or equal to the Curtailment Threshold to be considered.

3.11.2.2.4. GLDFs whose contributions are counter to the constraint (i.e. counter flow) shall be ignored for the purposes of the calculation.

3.11.2.3. Each generator shall be assigned to a given NI transmission service or NL customer within a Balancing Authority Area for the purposes of calculating their contribution to a given constraint. Exceptions may include special cases where generators are only included for case modeling purposes.

3.11.2.4. For a given generator bus, all generators modeled at that bus shall be assumed online and operating at their maximum MVA value except as noted otherwise in this procedure.

3.11.2.4.1. At the time of calculation, daily operating reliability information will be used to update the calculation for transmission line outages, generator outage or derate information, and daily load forecasts as appropriate.

3.11.2.4.2. Only those generator buses whose aggregate modeled capacity exceeds 20MW shall be considered. Generator buses whose aggregate modeled capacity does not exceed 20MW shall be excluded.

3.11.2.5. Generators shall be assigned to a given NI transmission service or NL customer based upon the customer's controlling interest in the facility and may include partial facilities or facilities from Balancing Authority Areas external to the customer's host Balancing Authority.

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3.11.2.6. If the total amount of generation from the generation facilities assigned to a given NI transmission service or NL customer exceed the total load for that customer, the generation shall be scaled down to match that customer's total load.

3.11.2.7. If the total amount of generation from the generation facilities assigned to a given NI transmission service or NL customer is less than the total load for that customer, it shall be assumed that the imports necessary to meet total load are being scheduled on Point-to-point Transmission Service. Generation shall not be scaled to meet load in this instance.

3.11.2.8. All NI transmission service and NL customers in the Eastern Interconnection, working with their respective Balancing Authorities, shall be obligated to achieve the amount of relief assigned to them by the Reliability Coordinator via the Per Generator Method.

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Appendix A

Examples of On-Path and Off-Path Mitigation

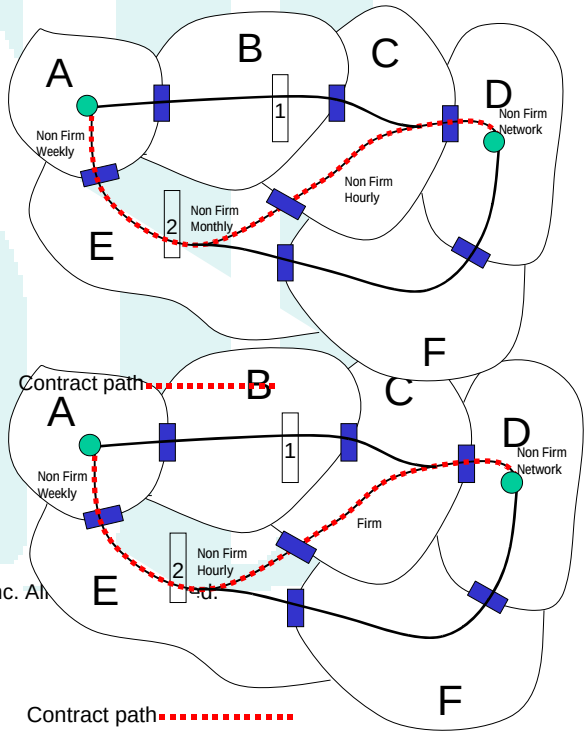
This section explains, by example, the obligations of the Transmission Service Providers on and off the Contract Path when calling for Transmission Loading Relief. When Reallocating or curtailing Interchange Transactions using Firm Transmission Service under TLR level 5a or 5b, the Transmission Service Providers may be obligated to perform comparable curtailments of its Transmission Service to Network Integration and Native Load customers.

Scenario:

- Interchange Transaction arranged from system A to system D, and assumed to be at or above the Curtailment Threshold
- Contract Path is A-E-C-D (except as noted)
- Locations 1 and 2 denote Constraints

Case 1: E is a Non-Firm monthly path, C is Non-Firm hourly; E has Constraint at #2.

- E may call Reliability Coordinator for TLR Procedure to relieve overload at Constraint #2.
- Interchange Transaction A-D may be curtailed by TLR action **as though it was being served by Non-Firm monthly Point-to-point Transmission Service**, even though it was using Non-Firm hourly Point-to-point Transmission Service from C. That is, it takes on the priority of the link with the



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Constrained Facility or Flowgate along the Contract Path. (See section 2.2.)

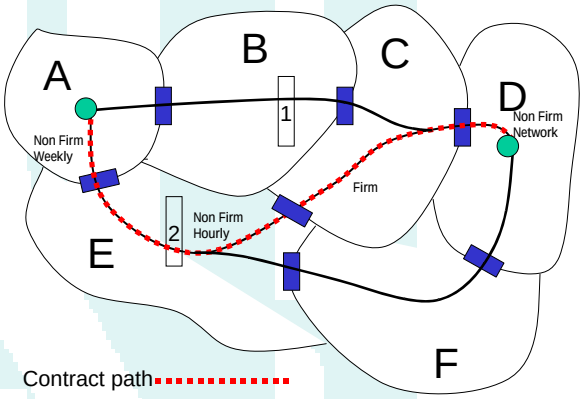
Case 2: E is a Non-Firm hourly path, C is Firm; E has Constraint at #2.

- Although C is providing Firm Transmission Service, the Constraint is not on C's system; therefore, E is not obligated to treat the Interchange Transaction as though it was being served by Firm Transmission Service.

- E may call Reliability Coordinator for TLR Procedure to relieve overload at Constraint #2.

- Interchange Transaction A-D may be curtailed by TLR action as though it was being served by Non-Firm hourly Point-to-point Transmission Service, even though it was using Firm Transmission Service from C. That is, when the Constraint is on the Contract Path, the Interchange Transaction takes on the priority of the link with the Constrained Facility or Flowgate. (See section 2.2.)

Case 3: E is a Non-Firm hourly path, C is Firm, B has Constraint at #1.

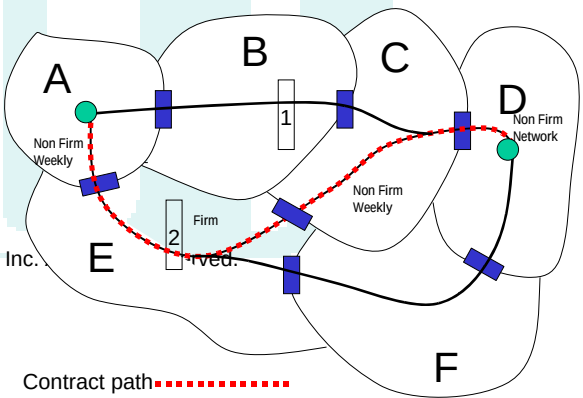


- B may call Reliability Coordinator for TLR Procedure to relieve overload at Constraint #1.

- Interchange Transaction A-D may be curtailed by TLR action as though it was being served by Non-Firm hourly Transmission Service, even if it was using Firm Transmission Service elsewhere on the path. When the Constraint is off the Contract Path, the Interchange Transaction takes on the lowest priority reserved on the Contract Path. (See section 2.3.)

Case 4: E is a Firm path; A, D, and C are Non-Firm; E has Constraint at #2.

- Interchange Transaction A – D is considered Firm priority for curtailment purposes.



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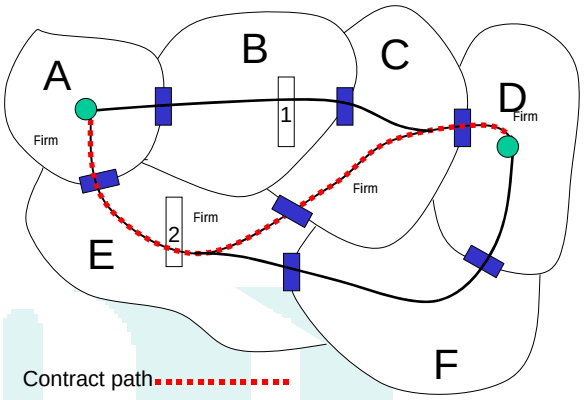
- E may then call Reliability Coordinator for TLR, which would curtail all Interchange Transactions using Non-Firm Transmission Service first.

- E is obligated to try to reconfigure transmission to mitigate Constraint #2 in E before E may curtail the Interchange Transaction as ordered by the TLR. (See Section 2.2)

Case 5: The entire path (A-E-C-D) is Firm; E has Constraint at #2.



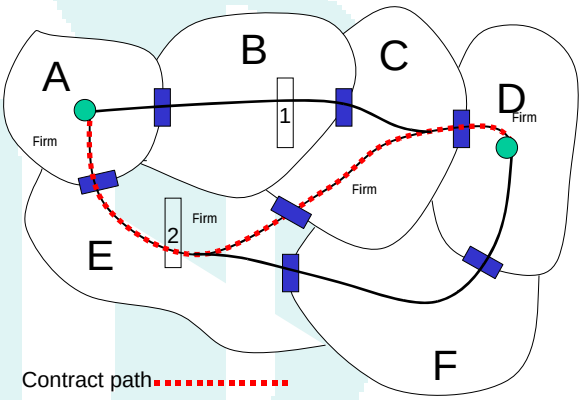
- Interchange Transaction A – D is considered Firm priority for curtailment purposes.

- E may call Reliability Coordinator for TLR, which would curtail all Interchange Transactions using Non-Firm Transmission Service first.

- E is obligated to curtail Interchange Transactions using Non-Firm Transmission Service, and then reconfigure transmission on its system, or, if there is an agreement in place, arrange for reconfiguration or other congestion management options on another system, to mitigate Constraint #2 in E before the Firm A-D transaction is curtailed. (See section 2.2.)

- A, C, D, may be requested by E to try to reconfigure transmission to mitigate Constraint #2 in E at E's expense. (See section 2.2.)

Case 6: The entire path (A-E-C-D) is Firm; B has Constraint at #1.



- Interchange Transaction A – D is considered Firm priority for curtailment purposes.

- B may call Reliability Coordinator for TLR Procedure for all *Non-Firm* Interchange Transactions that contribute to the overload at Constraint #1.

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- Following the curtailment of all Non-Firm Interchange Transactions, the Reliability Coordinator(s) will determine which Transmission Operator(s) will reconfigure their transmission, if possible, to mitigate Constraint #1. (See section 2.3.)

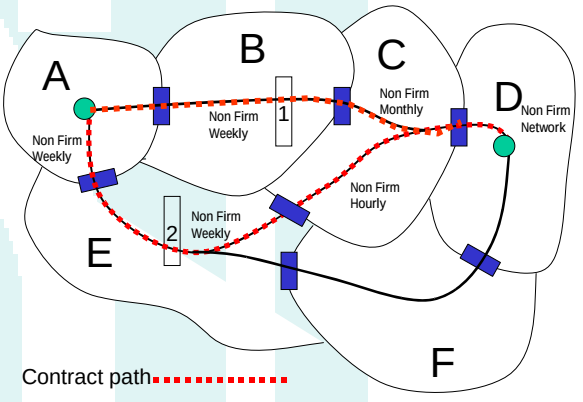
- A-D transaction may be curtailed as a result. However, the A-D transaction is treated as a Firm Interchange Transaction and will be curtailed only after Non-Firm Interchange Transactions. (Note: This means that the Firm Contract Path is respected by all parties, including those not on the Contract Path.) (See section 2.3.)

Case 7: Two A-to-D transactions using A-B-C-D and A-E-C-D; A and B are Non-Firm; B has Constraint at #1

- B is not obligated to reconfigure transmission to mitigate Constraint at #1. (See section 2.2.)

- B may call for TLR Procedure to relieve overload at Constraint #1.

- If both A – D Interchange Transactions have the same TDF across Constraint #1, then they both are subject to curtailment. However, Interchange Transaction A – D using the A-B-C-D path is assigned a higher priority (priority NW on B), and would not be curtailed until after the Interchange Transaction using the path A-E-C-D (priority NH on the Contract Path as observed by B who is off the Contract Path).



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Appendix B

Example Calculations of the Per Generator Method

Example 1: The Per Generator Method Calculation

An example of calculating Firm transaction curtailments using the Per Generator Method is provided in this section, assuming that the Constrained Flowgate is #3006 (Eau Claire-Arpin 345 kV circuit). The Generator-to-Load Distribution Factors (GLDFs) for this Flowgate are presented in Table B-1. In this example, a total Firm (PTP and tagged NI transactions) contribution of 708.85 MW is assumed to be given by the IDC.

From Table B-1, the untagged NI/NL contributions of all Balancing Authority Areas that impact the Constrained Facility or Flowgate are listed below:

ALTE = 27.0 MW

ALTW = 41.1 MW

NSP = 33.1 MW

WPS = 26.2 MW

Total NL & untagged NI contribution = 127.4 MW

Total Firm (PTP and NI/NL) contribution = 127.4 MW + 708.85 MW = 836.25 MW

NL & NI portion of total Firm contribution = 127.4/836.25 = 15.2%

PTP and tagged NI portion of total Firm contribution = 708.85/836.25 = 84.47%

Allocation of relief of the Constrained Facility or Flowgate to each Balancing Authority Area with impactive untagged NI/NL contribution is given below:

ALTE = 27.0 /127.4 x 0.152 = 3.2%

ALTW = 41.1 /127.4 x 0.152 = 4.9%

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NSP = 33.1 /127.4 x 0.152 = 3.9%

WPS = 26.2 /127.4 x 0.152 = 3.1%

Assume that 50 MW of relief is needed. Then those Balancing Authority Areas that impact NI/NL contribution and Firm Transmission Service are responsible for the providing the following amounts of Flowgate relief:

Relief provided by removing Firm PTP and tagged NI = 0.845 x 50 = 42.25 MW

Relief provided by removing NL and untagged NI contributions ALTE = 0.032 x 50 = 1.60 MW

Relief provided by removing NL and untagged NI contributions ALTW = 0.049 x 50 = 2.45 MW

Relief provided by removing NL and untagged NI contributions NSP = 0.039 x 50 = 1.95 MW

Relief provided by removing NL and untagged NI contributions WPS = 0.031 x 50 = 1.55 MW

Table B-1

Native Load Responsibilities

Flowgate #: 3006 **Flowgate Name: EAU CLAIRE-ARPIN 345 KV**

Common Name	Generator Reference System	Generator Shift Factor (GSF)	Percent Assigned	GLDF Gen to Load Factor	Pmax (MW)	Energy on Flowgate
ALTE #364	Avail Assigned Gen: 1,514 Load Level: 1,796 Scaling: 1.000	ALTE_LD Load Shift Factor: -0.097	.	.	.	.
NED G1 13.8--1 CA=ALTE	39000_NED_G1	0.022	100	.1195	113.0	13.5
NED G2 13.8--2 CA=ALTE	39001_NED_G2	0.022	100	.1195	113.0	13.5
Summary	.	.	.	.	.	**27.0**
WPS #366	Avail Assigned Gen: 1,691 Load Level: 1,910 Scaling: 1.000	WPS_LD Load Shift Factor: -0.193	.	.	.	.

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Common Name	Generator Reference System	Generator Shift Factor (GSF)	Percent Assigned	GLDF Gen to Load Factor	Pmax (MW)	Energy on Flowgate
COL G1 22.0--1 CA=ALTE	39152_COL_G1	-0.094	32	.0993	525.0	16.6
COL G2 22.0--2 CA=ALTE	39153_COL_G2	-0.094	32	.0993	525.0	16.6
EDG G4 22.0--4 CA=ALTE	39207_EDG_G4	-0.118	32	.0752	331.0	7.9
Summary	.	.	.	.	.	**41.1**
NSP #623	Avail Assigned Gen: 8,492 Load Level: 8,484 Scaling: 0.999	NSP_LD Load Shift Factor: 0.206	.	.	.	.
WHEATON5 161--1 CA=NSP	61870_WHEATO	0.298	100	.0919	55.0	5.0
WHEATON5 161--2 CA=NSP	61870_WHEATO	0.298	100	.0919	63.0	5.8
WHEATON5 161--3 CA=NSP	61870_WHEATO	0.298	100	.0919	55.0	5.0
WHEATON5 161--4 CA=NSP	61870_WHEATO	0.298	100	.0919	55.0	5.0
WHEATON5 161--5 CA=NSP	61871_WHEATO	0.293	100	.0874	57.0	5.0
WHEATON5 161--6 CA=NSP	61871_WHEATO	0.293	100	.0874	57.0	5.0
WISSOTAG69.0--1 CA=NSP	69168_WISSOT	0.266	100	.0601	37.0	2.2
Summary	.	.	.	.	.	**33.1**
ALTW #631	Avail Assigned Gen: 2,337 Load Level: 3,640 Scaling: 1.000	ALTW_LD Load Shift Factor: 0.065	.	.	.	.
FOXLK53G13.8--3 CA=ALTW	62016_FOXLK5	0.147	100	.0819	88.5	7.3
LANS5 4G22.0--4 CA=ALTW	62057_LANS5_	0.116	100	.0506	277.0	14.0
LANS5 3G22.0--3 CA=ALTW	62058_LANS5_	0.116	100	.0505	35.8	1.8
FAIRMONT69.0--3 CA=ALTW	65816_FAIRMO	0.151	100	.0857	5.0	0.4
FAIRMONT69.0--4 CA=ALTW	65816_FAIRMO	0.151	100	.0857	6.0	0.5
FAIRMONT69.0--5 CA=ALTW	65816_FAIRMO	0.151	100	.0857	12.0	1.0
FAIRMONT69.0--6 CA=ALTW	65816_FAIRMO	0.151	100	.0857	7.0	0.6

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Common Name	Generator Reference System	Generator Shift Factor (GSF)	Percent Assigned	GLDF Gen to Load Factor	Pmax (MW)	Energy on Flowgate
FAIRMONT69.0--7 CA=ALTW	65816_FAIRMO	0.151	100	.0857	6.5	0.6
Summary	.	.	.	.	.	**26.2**
.	.	.	.	.	.	.
TOTAL Summary	.	.	.	.	.	**127.4**

Example 2: Use of Per Generator Method while Simultaneously Curtailing Transmission Service

An example of the output of the IDC calculation of curtailment of Firm Transmission Service is provided below for the specific Constrained Facility or Flowgate identified in the NERC Book of Flowgates as Flowgate 1368. In this example, a total Firm PTP and tagged NI contribution to the Constrained Facility or Flowgate, as calculated by the IDC, is assumed to be 21.8 MW.

The Table B-2 below presents a summary of each Balancing Authority's responsibility to provide relief to the Constrained Facility or Flowgate due to its untagged NI Transmission Service and service to NL contribution to the Constrained Facility or Flowgate. In this example, Balancing Authority LAGN would be requested to curtail 17.3 MW of its total of 401.1 MW of flow contribution on the Constrained Facility or Flowgate.

In summary, Interchange Transactions would be curtailed by a total of 21.8 MW and untagged NI Transmission Service and service to NL would be curtailed by a total of 178.2 MW by the five Balancing Authorities identified in the table. These curtailments would provide a total of 200.0 MW of relief to the Constrained Facility or Flowgate.

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Sink Reliability Coordinator	*Service Point*	*Scaled P Max*	*Flowgate untagged NI &NL MW*	*Current untagged NI &NL Relief*	*untagged NI &NL Responsibility*		*untagged NI &NL Responsibility Acknowledgement*	
					Inc/Dec	*Current Hr*	*Acknowledge Time*	*Total MW Resp.*
EES	EES	8429.7	2991.4	0.0	128.9	128.9	13:44	128.9
EES	LAGN	1514.0	718.6	0.0	31.0	31.0	13:44	31.0
SOCO	SOCO	5089.2	401.1	0.0	17.3	17.3	13:44	17.3
SWPP	CLEC	235.7	18.0	0.0	0.8	0.8	13:42	0.8
SWPP	LEPA	22.8	4.1	0.0	0.2	0.2	13:42	0.2
Total		**15291.4**	**4133.2**	**0.0**	**178.2**	**178.2**		**178.2**

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Appendix C

Transaction Curtailment Formula

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Example

This example is based on the premise that a transaction should be curtailed in proportion to its Transfer Distribution Factor (TDF) on the Constraints. Its effect on the interface is a combination of its size in MW and its effect based on its distribution factor.

Column	*Description*
1. Initial transaction	Interchange Transaction before the TLR Procedure is implemented.
2. Distribution factor	Proportional effect of the transaction over the constrained interface due to the physical arrangement and impedance of the transmission system.
3. Impact on the interface	Result of multiplying the transaction MW by the distribution factor. This yields the MW that flow through the constrained interface from the transaction. Performing this calculation for each transaction yields the total flow through the constrained interface from all the Interchange Transactions. In this case, 760 MW.
4. Impact weighting factor	"Normalization" of the total of the distribution factors in column 2. Calculated by dividing the distribution factor for each transaction by the total of the distribution factors.
5. Weighted maximum interface reduction	Multiplying the impact on the interface from each transaction by its impact weighting factor yields a new proportion that is a combination of the MW impact on the interface and the distribution factor.

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6. Interface reduction	Multiplying the amount needed to reduce the flow over the constrained interface (280 MW) by the normalization of the weighted maximum interface reduction yields the actual MW reduction that each transaction must *contribute* to achieve the total reduction.
7. Transaction reduction	Divide by the distribution factor to see how much the transaction must be reduced to yield result we calculated in column 7. Note that the reductions for the first two Interchange Transactions (A-D (1) and A-D (2) are in proportion to their size since their distribution factors are equal.
8. New transaction amount	Subtracting the transaction reduction from the initial transaction yields the new transaction amount.
9. Adjusted impact on interface	A check to ensure the new constrained interface MW flow has been reduced to the target amount.

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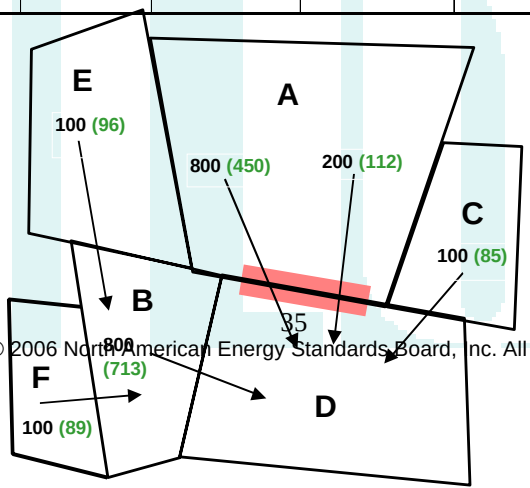
A-D(1)	1000	0.6	600	1.00	600.00	268.76	447.94	552.06	331.24
B-D	800	0.15	120	0.20	24.00	10.75	71.67	728.33	109.25
C-D	100	0.2	20	0.03	0.67	0.30	1.49	98.51	19.70
E-B	100	0.05	5	0.01	0.04	0.02	0.37	99.63	4.98
F-B	100	0.15	15	0.03	0.38	0.17	1.12	98.88	14.83
	2100		**760**	**1.27**	**625.08**	**280.00**	**522.60**	**1577.40**	**480.00**
A-D(1A)	200	0.6	120	1.00	120.00	46.32	77.20	122.80	73.68
A-D(1B)	200	0.6	120	1.00	120.00	46.32	77.20	122.80	73.68
A-D(1C)	200	0.6	120	1.00	120.00	46.32	77.20	122.80	73.68
A-D(1D)	200	0.6	120	1.00	120.00	46.32	77.20	122.80	73.68
A-D(2)	200	0.6	120	1.00	120.00	46.32	77.20	122.80	73.68
B-D	800	0.15	120	1.00	120.00	46.32	308.79	491.21	73.68
C-D	100	0.2	20	0.17	3.33	1.29	6.43	93.57	18.71
E-B	100	0.05	5	0.04	0.21	0.08	1.61	98.39	4.92
F-B	100	0.15	15	0.13	1.88	0.72	4.82	95.18	14.28
	2100		**760**	**6.33**	**725.42**	**280.00**	**707.64**	**1392.36**	**480.00**



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Appendix D

Regional Differences

Section A

PJM/Midwest ISO, Inc. – Enhanced Congestion Management Method (Curtailment/Reload/Reallocation)

Organization

The Balancing Authority participants of:

- Midwest ISO, Inc. (Hereafter referred to as MISO)
- PJM Interconnection, L.L.C. (Hereafter referred to as PJM)

Business Practice

This methodology implements a Multi-Balancing Authority Energy Market, simplifies transaction information requirements for market participants, and allows for a means of providing Reliability Coordinators with appropriate information for security analysis and curtailments/reloads/reallocations and redispatch requirements.

To accommodate a Multi-Balancing Authority Energy Market, this methodology provides for regional differences from the NERC and NAESB specific standards listed below.

This methodology also applies in the event that the above Balancing Authorities are combined into fewer Balancing Authorities or into one Balancing Authority. This methodology is required to realize the benefits of a LMP market operation while increasing the level of granularity of information provided to the NAESB and NERC Transmission Loading Relief standards.. The concepts contained within the PJM/MISO paper, "Managing Congestion to Address Seams," (see footnote 1) meet the requirements specified in this standard, its related appendices, and NERC Standards.

The processes proposed in this methodology affect the following specific sections:

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NAESB WEQ FINAL ACTION RATIFIED 09/01/2006

Requesters: **Business Practices Subcommittee**
Request No.: **R06002**
Request Title: **Version 0 Business Practices Standards – Modifcation of Pre-split "Version 0" Transmission Loading Relief Business Practice Standard**

- **Appendix E "How the IDC Handles Reallocation" of NERC IRO-006-1**, (Effective date of standard August 8, 2005)
- **Appendix E "Timing Requirements (IDC Calculations and Reporting Requirements" of NERC IRO-006-1**

Appendix C "Transaction Curtailment Formula" of this document Section 6 "Interchange Transaction Reallocation During TLR Levels 3a and 5a"of NERC IRO-006-1, For the purposes of clarity, this methodology describes many actions as those of the "RTO." It should be noted that "RTO" refers to the market-operating entity in which the subject Balancing Authorities participate.

Assignment of Sub-Priorities

Requirements

- Requirements 3.3 and 3.6 of this document and as found in NERC IRO-006-1, Appendix E

Explanation

The "IDC Calculations and Reporting Requirements" section of NERC IRO-006-1, Appendix E "Timing Requirements" states that "In a TLR Level 3a the Interchange Transactions using Non-firm Transmission Service in a given priority will be further divided into four sub-priorities, based on current schedule, current active schedule (identified by the submittal of a tag ADJUST message), next-hour schedule, and tag status."

The RTO shall use a "Market Flow Calculation" methodology to calculate the amount of energy flowing across all facilities included in the RTO's "Coordinated Flowgate List"[1] that is associated with the operation of the RTO market. This energy is identified as "market flow".

[1] The RTO will conduct sensitivity studies to determine which external Flowgates (outside the RTO's footprint) are significantly impacted by the market flows of the RTO's control zones (currently the Balancing Authorities that exist today in the IDC). The RTO will perform the 4 studies as described in the MISO/PJM Paper "Managing Congestion to Address Seams" White Paper (Version 3.2, May 16, 2003, located on the NAESB website at http://www.naesb.org/pdf2/weq_bps101205w3.pdf) to determine which external Flowgates the RTO will monitor and help control. An external Flowgate selected by one of these studies will be considered a coordinated Flowgate (CF).

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These market flow impacts for current hour and next hour shall be separated into their appropriate priorities[2] and provided to the IDC by the RTO. The market flows shall then be represented and made available for curtailment under the appropriate TLR Levels.

Even though these market flow impacts (separated into appropriate priorities) will not be represented by conventional "tags", the impacts and their desired levels shall be provided to the IDC for current hour and next hour. Therefore, the RTO, for the purposes of reallocation, shall be assigned by the NERC IDC a sub-priority (S1 thru S4) to these market flow impacts, using the same parameters as would be used if the impacts were in fact tagged transactions — as detailed in NERC IRO-006-1, Appendix E "How the IDC Handles Reallocation". (See example 1 below).

[2] *See footnote 1.* for details on how these priorities will be assigned

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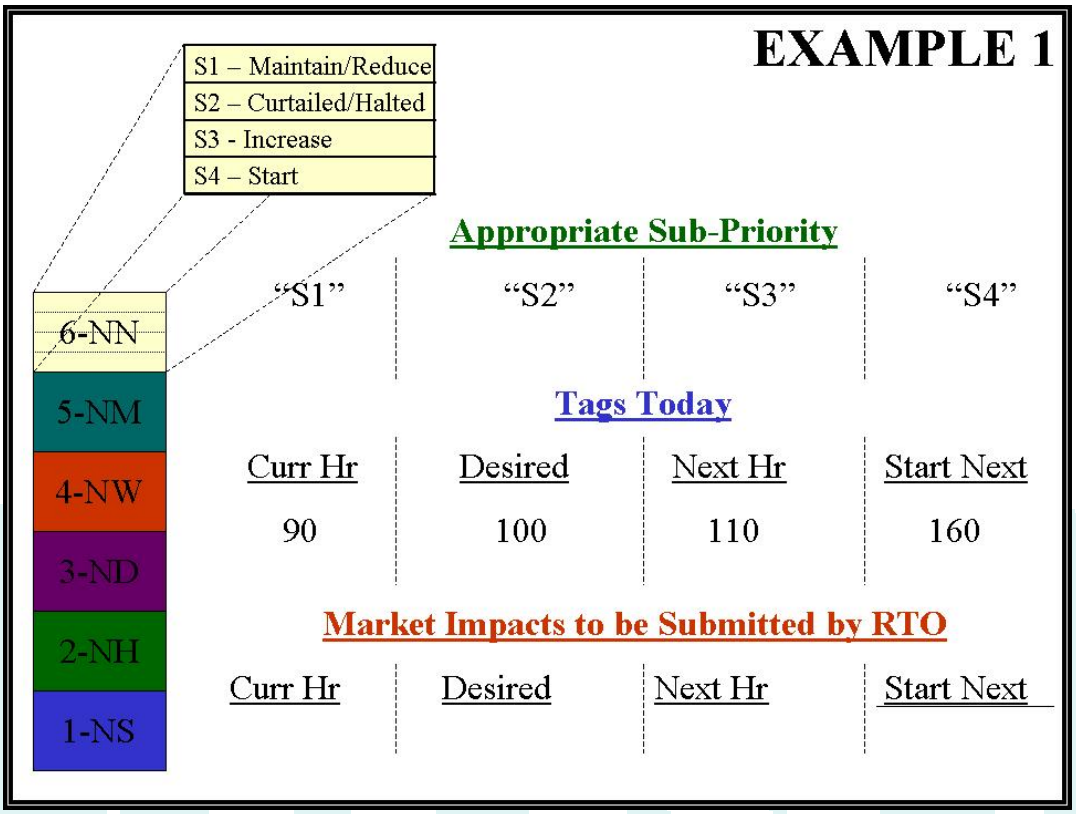
Request Title: Version 0 Business Practices Standards – Modifcation of Pre-split "Version 0" Transmission Loading Relief Business Practice Standard

NAESB Transmission Loading Relief Business Practices Draft – March 3, 2006 (incorporating SPP Regional Differences)



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NAESB Transmission Loading Relief Business Practices Draft – March 3, 2006 (incorporating SPP Regional Differences)

Pro Rata Curtailment of Non-Firm Market Flow Impacts

Requirements

- **Appendix C of this document** "Transaction Curtailment Formula"

Explanation

Appendix C of this document "Transaction Curtailment Formula" details the formula used to apply a weighted impact to each Non-Firm tagged transaction (priorities 1 thru 6 as defined in section 2.1 of this business practice standard) for the purposes of curtailment by the IDC. For the purpose of curtailment, the non-firm market flow impacts (priorities 1 thru 6) submitted to the IDC by the RTO shall be curtailed pro rata as is done for Interchange Transactions using Firm Transmission Service. This method shall be used, because several of the values needed to assign a weighted impact using the process listed in Appendix C of this document "Transaction Curtailment Formula" will not be available:

- Distribution factor (no tag to calculate this value from)
- Impact on interface value (cannot be calculated without distribution factor)
- Impact weighting factor (cannot be calculated without distribution factor)
- Weighted maximum interface reduction (cannot be calculated without distribution factor)
- Interface reduction (cannot be calculated without distribution factor)
- Transaction reduction (cannot be calculated without distribution factor)

While the Non-Firm market flow impacts submitted to the IDC would be curtailed pro rata under this methodology, the impacting Non-Firm tagged transactions could still use the existing processes to assign the weighted impact value. Example 2 (below) illustrates how this would be accomplished.

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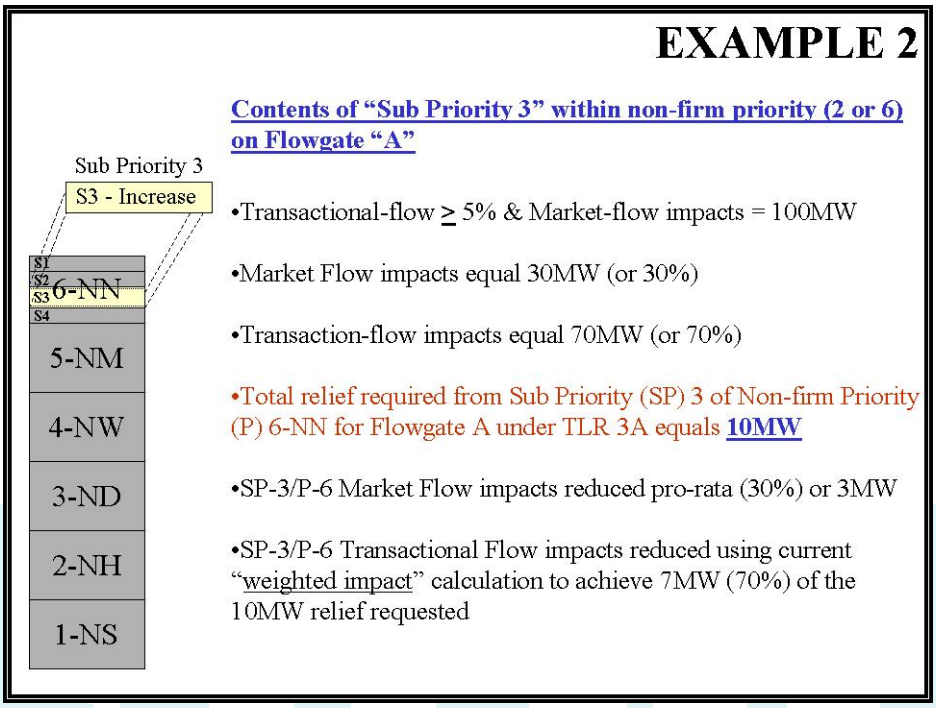
NAESB Transmission Loading Relief Business Practices Draft – March 3, 2006 (incorporating SPP Regional Differences)



NNL Calculation

Requirements

- **Requirement 3.11 "Parallel flow calculation procedure of reallocating or curtailing Firm Transmission Service" of this document** 'Parallel Flow Calculation Procedure for Reallocating or curtailing Firm Transmission Service"
- **NERC "Parallel Flow Calculation Procedure Reference Document", version 1 – section C** (Calculation Method), approved November 16, 2000, as found in the NERC Operating Manual.

Explanation

Requirement 3.11 of this document and the NERC "Parallel Flow Calculation Procedure Reference Document", version 1 – section C (Calculation Method)**,** approved November 16, 2000, as found in the NERC Operating Manual**,** currently require that the "Per

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Generator Method Without Counter Flow" (see footnote 1, PJM/MISO "Managing Congestion at the Seams" White Paper) methodology be utilized to calculate the portion of parallel flows on any Constrained Facility due to Network Integration (NI) transmission service and service to Native Load (NL) of each Balancing Authority.

The RTO shall use a "Market Flow Calculation" methodology to calculate the portion of parallel flows on all facilities included in the RTO's "Coordinated Flowgate List"[3] due to NI service or service to NL of each Balancing Authority.

The "Market Flow Calculation" differs from the Per Generator Method in the following ways:

- The contribution from all market area generators shall be taken into account.
- In the Per Generator Method, only generators having a GLDF greater than 5% are included in the calculation. Additionally, generators are included only when the sum of the maximum generating capacity at a bus is greater than 20 MW. The market flow calculations shall use all positively impacting flows down to 0% with no threshold. Counter flows shall not be included in the market flow calculation.
- The contribution of all market area generators is based on the present output level of each individual unit.
- The contribution of the market area load is based on the present demand at each individual bus.

By expanding on the Per Generator Method, the market flow calculation evolves into a methodology very similar the "Per Generator Method" method, while providing granularity on the order of the most granular method developed by the NERC IDC Granularity Task Force. Counter flows are also calculated and tracked in order to account for and recognize that either the positive market flows may be reduced or counter flows may be increased to provide appropriate relief on a Flowgate. Under this methodology,

[3] *See footnote 1.* The RTO will conduct sensitivity studies to determine which external Flowgates (outside the RTO's footprint) are significantly impacted by the market flows of the RTO's control zones (currently the balancing authorities that exist today in the IDC). The RTO shall perform the four studies (described in the MISO/PJM paper "Managing Congestion to Address Seams," Version 3.2) to determine which external Flowgates the RTO shall monitor and help control. An external Flowgate selected by one of these studies will be considered a Coordinated Flowgate (CF).

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the use of real-time values in concert with the market flow calculation effectively implements the most accurate and detailed method of the six IDC granularity options[4] considered by the NERC IDC Granularity Task Force.

Units assigned to serve a market area's load do not need to reside within the RTO's market area footprint to be considered in the market flow calculation. However, units outside of the RTO's market area shall not be considered when those units have tags associated with their transfers.

These NNL values shall be provided to the IDC to be included and represented with the calculated NNL values of all non-RTO Balancing Authorities for the purposes identifying and obtaining required NNL relief across a Flowgate in congestion under a TLR Level 5A/5B.

5% Curtailment Threshold

Requirements

- **Requirements 3.3.2.2, 3.4.1.1, and 3.6.1 of this document.**
- **Requirement 3.10 "Curtailment Threshold" of this document.**

Explanation

Requirements 3.3.2.2, 3.4.1.1, and 3.6.1 of this document state the following: "The Reliability Coordinator shall only consider those Interchange Transactions at or above the Curtailment Threshold for which the Interconnection-wide TLR procedure is called.

The Curtailment Threshold stated in requirement 3.10 is "5%".

The RTO intends to use a "Market Flow Calculation" methodology to calculate the amount of energy flowing across all facilities included in the RTO's "Coordinated Flowgate List"[5] that is associated with the operation of the RTO market. This energy is identified as "Market Flow".

[4] The NERC IDC Granularity Task Force drafted "White Paper on the Future of Congestion Management", draft version 2.1, completed June of 2004 (located on the NAESB website at http://www.naesb.org/pdf/weq_bps120904a3.doc). Although the task force originally discussed six options for granularity, three options were included in the paper as possible options.

[5] *See footnote 1.* The RTO shall conduct sensitivity studies to determine which external Flowgates (outside the RTO's footprint) are significantly impacted by the market flows of the RTO's control zones (currently the control areas that exist today in the IDC). The RTO shall perform the 4 studies (described in the MISO/PJM "Managing Congestion to

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NAESB WEQ FINAL ACTION RATIFIED 09/01/2006

Requesters: **Business Practices Subcommittee**
Request No.: **R06002**
Request Title: **Version 0 Business Practices Standards – Modifcation of Pre-split "Version 0" Transmission Loading Relief Business Practice Standard**

NAESB Transmission Loading Relief Business Practices Draft – March 3, 2006 (incorporating SPP Regional Differences)

The RTO intends to provide to the IDC any market flows with an impact of greater than 0% on a coordinated Flowgate. These market flows shall be represented and made available for curtailment under the appropriate TLR Levels. Hence, for the purposes of curtailment and reallocation, the RTO shall observe an impact threshold of 0% instead of 5% for its market flows across any Flowgate in the RTO Coordinated Flowgate List (see footnote 1).

The reason for this lower threshold is because of the size and scope of a large non-tagged energy market, such as the Multi-Balancing Authority market, and an impact of less than 5% on a Flowgate could still represent a large amount of the total capacity of that Flowgate. Therefore, to limit the Curtailment Threshold on these market flows to 5% could result in a Reliability Coordinator's inability to obtain the amount of relief that is needed to prevent the Flowgate from exceeding its operating limits.

Below is an example of how a market flow curtailment threshold of less than 5% could substantially contribute to congestion on a Flowgate:

Example:

- Energy market flows of 1,000 MW impact Flowgate A by 4% — or 40 MW
- Flowgate A operating limit is 100 MW
- Fully 40% of the flow across Flowgate A is not identified and represented in the IDC, and therefore not available for curtailment under the TLR process.

Current Operating Reliability

There are no reliability implications from this regional difference.

Address Seams" Whitepaper Version 3.2) to determine which external Flowgates the RTO will monitor and help control. An external Flowgate selected by one of these studies will be considered a coordinated Flowgate (CF).

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Section B

Southwest Power Pool (SPP) ~~Regional Difference~~ – Enhanced Congestion Management Method (Curtailment/Reload/Reallocation)

The SPP regional difference, which is equivalent to the PJM/MISO waiver, shall apply within the SPP region as follows:

This regional difference impacts actions on behalf of those SPP Balancing Authorities that are participating in the SPP market. This regional difference does not impact those Balancing Authorities for which SPP will continue to act as the Reliability Coordinator but that are not participating in the SPP market.

SPP shall calculate the impacts of SPP market flow on all facilities included in SPP's Coordinated Flowgate List. SPP shall conduct sensitivity studies to determine which external flowgates (outside SPP's footprint) are significantly impacted by the market flows of SPP's control zones (currently the balancing areas that exist today in the IDC). SPP shall perform studies to determine which external flowgates SPP will monitor and help control. An external flowgate selected by one of the studies will be considered a Coordinated Flowgate (CF).

In its calculation, SPP shall consider market flow impacts as the impacts of energy dispatched by the SPP market and self-dispatched energy serving load in the market footprint, but not tagged. SPP shall use a method equivalent to the PJM/MISO Market Flow Calculation methodology identified in the PJM/MISO ~~waiver~~regional difference. Impacts of tagged transactions representing delivery of energy not dispatched by the SPP market and energy dispatched by the market but delivered outside the footprint will not be included in market flow.

SPP shall separate the market flow impacts for current hour and next hour into their appropriate priorities and shall provide those market flow impacts to the IDC. The market flows will be represented in the IDC and made available for curtailment under the appropriate TLR Levels. The market flow impacts will not be represented by conventional interchange transaction tags.

The SPP method will impact the following sections of the TLR Procedure:

Network and Native Load (NNL) Calculations — The SPP regional difference modifies ~~Attachment 1-IRO-006-1 Section 5 "Parallel Flow Calculation Procedure for Reallocating or Curtailing Firm Transmission Service" within~~ section A of this appendix for the SPP region.

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NAESB Transmission Loading Relief Business Practices Draft – March 3, 2006 (incorporating SPP Regional Differences)

Section ~~5 of Attachment 1-IRO-006-1~~ A of this appendix requires that the "Per Generator Method without Counter Flow" methodology be utilized to calculate the portion of parallel flows on any Constrained Facility due to Network Integration (NI) transmission service and service to Native Load (NL) of each balancing authority.

SPP shall use a "Market Flow Calculation" methodology to calculate the portion of parallel flows on all facilities included in the RTO's "Coordinated Flowgate List" due to NI service or service to NL of each balancing authority.

The Market Flow Calculation differs from the Per Generator Method in the following ways:

- The contribution from all market area generators will be taken into account.
- In the Per Generator Method, only generators having a GLDF greater than 5% are included in the calculation. Additionally, generators are included only when the sum of the maximum generating capacity at a bus is greater than 20 MW. The market flow calculations will use all positively impacting flows down to 0% with no threshold. Counter flows will not be included in the market flow calculation.
- The contribution of all market area generators is based on the present output level of each individual unit.
- The contribution of the market area load is based on the present demand at each individual bus.

By expanding on the Per Generator Method, the market flow calculation evolves into a methodology very similar to the "Per Generator Method" method, while providing increased Interchange Distribution Calculator (IDC) granularity. Counter flows are also calculated and tracked in order to account for and recognize that the either the positive market flows may be reduced or counter flows may be increased to provide appropriate relief on a flowgate.

These NNL values will be provided to the IDC to be included and represented with the calculated NNL values of other Balancing Authorities for the purposes of identifying and obtaining required NNL relief across a flowgate in congestion under a TLR Level 5A/5B.

Pro Rata Curtailment of Non-Firm Market Flow Impacts — The SPP regional difference modifies ~~Attachment 1-IRO-006-1 Appendix B "Transaction Curtailment Formula" within~~ section A for the SPP region.

~~Appendix B "Transaction Curtailment Formula"~~ Appendix C "Transaction Curtailment Formula" of this document details the formula used to apply a weighted impact to each non-firm

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tagged Interchange Transaction (Priorities 1 thru 6) for the purposes of Curtailment by the IDC. For the purpose of Curtailment, the non-firm market flow impacts (Priorities 2 and 6) submitted to the IDC by SPP should be curtailed pro-rata as is done for Interchange Transaction using firm transmission service. This is because several of the values needed to assign a weighted impact using the process listed in ~~Appendix B~~ Appendix C will not be available:

- Distribution Factor (no tag to calculate this value from)
- Impact on Interface value (cannot be calculated without Distribution Factor)
- Impact Weighting Factor (cannot be calculated without Distribution Factor)
- Weighted Maximum Interface Reduction (cannot be calculated without Distribution Factor)
- Interface Reduction (cannot be calculated without Distribution Factor)
- Transaction Reduction (cannot be calculated without Distribution Factor)

While the non-firm market flow impacts submitted to the IDC are to be curtailed pro rata, the impacting non-firm tagged Interchange Transactions could still use the existing processes to assign the weighted impact value.

Assignment of Sub-Priorities — The SPP regional difference modifies NERC's Attachment 1-IRO-006-1 Appendix E "How the IDC Handles Reallocation", Section E2 "Timing Requirements", ~~within~~ for the SPP region and requirements 3.3 and 3.6 of this business practice standard.

Under the header "IDC Calculations and Reporting" in Section E2 of NERC Appendix E to Attachment 1-IRO-006-1, the following requirement exists: "In a TLR Level 3a the Interchange Transactions using Non-firm Transmission Service in a given priority will be further divided into four sub-priorities, based on current schedule, current active schedule (identified by the submittal of a tag ADJUST message), next-hour schedule, and tag status. Solely for the purpose of identifying which Interchange Transactions to be loaded under a TLR 3a, various MW levels of an Interchange Transaction may be in different sub-priorities. The sub-priorities are shown in the following table:

Priority	Purpose	Explanation and Conditions
S1	To allow a flowing Interchange	The MW amount is the lowest

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	Transaction to maintain or reduce its current MW amount in accordance with its energy profile.	between currently flowing MW amount and the next-hour schedule. The currently flowing MW amount is determined by the e-tag ENERGY PROFILE and ADJUST tables. If the calculated amount is negative, zero is used instead.
S2	To allow a flowing Interchange Transaction that has been curtailed or halted by TLR to reload to the *lesser* of its current-hour MW amount or next-hour schedule in accordance with its energy profile.	The Interchange Transaction MW amount used is determined through the e-tag ENERGY PROFILE and ADJUST tables. If the calculated amount is negative, zero is used instead.
S3	To allow a flowing Transaction to increase from its current-hour schedule to its next-hour schedule in accordance with its energy profile.	The MW amounts used in this sub-priority is determined by the e-tag ENERGY PROFILE table. If the calculated amount is negative, zero is used instead.
S4	To allow a Transaction that had never started and was submitted to the Tag Authority after the TLR (level 2 or higher) has been declared to begin flowing (i.e., the Interchange Transaction never had an active MW and was submitted to the IDC *after* the first TLR Action of the TLR Event had been declared.)	The Transaction would not be allowed to start until all other Interchange Transactions submitted prior to the TLR with the same priority have been (re)loaded. The MW amount used~~is the~~ in this sub-priority is the next-hour schedule determined by the e-tag ENERGY PROFILE table.

SPP shall use a "Market Flow Calculation" methodology to calculate the amount of energy flowing across all facilities included in the RTO's "Coordinated Flowgate List" that is associated with the operation of the SPP market. This energy is identified as "market flow."

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These market flow impacts for current hour and next hour will be separated into their appropriate priorities and provided to the IDC by SPP. The market flows will then be represented and made available for curtailment under the appropriate TLR Levels.

Even though these market flow impacts (separated into appropriate priorities) will not be represented by conventional "tags," the impacts and their desired levels will still be provided to the IDC for current hour and next hour. Therefore, for the purposes of reallocation, a sub-priority (S1 thru S4) should be assigned to these market flow impacts by the NERC IDC as follows, using comparable logic as would be used if the impacts were in fact tagged transactions.

Priority	Purpose	Explanation and Conditions
S1	To allow existing market flow to maintain or reduce its current MW amount.	The currently flowing MW amount is the amount of market flow existing after the RTO has recognized the constraint for which TLR has been called. If the calculated amount is negative, zero is used instead.
S2	To allow market flow that has been curtailed or halted by TLR to reload to its desired amount for the current-hour.	This is the difference between the current hour unconstrained market flow and the current market flow. If the current-hour unconstrained market flow is not available, the IDC will use the most recent market flow since the TLR was first issued or, if not available, the market flow at the time the TLR was first issued.
S3	To allow a market flow to increase to its next-hour desired amount.	This is the difference between the next hour and current hour unconstrained market flow.

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To: NAESB WEQ Executive Committee:

From: Kathy York, Jim Busbin co-chairs of the WEQ Executive Committee

Date: October 16, 2007

RE: Minor Corrections to the WEQ TLR business practice standards

During the development of the NERC TLR Reliability Standards, several additional minor corrections were identified by the NAESB WEQ BPS and NERC TLR Standards Drafting Team. These minor corrections can be viewed in the attached redlined NAESB WEQ TLR Business Practice Standard. The NAESB WEQ Business Practices Subcommittee voted to approve these minor corrections and to post them to the WEQ EC for your consideration.

These minor corrections are identified below for your convenience:

3.2.5. If an Interchange Transaction is identified as a Dynamic Schedule and the Transmission Service is considered Firm according to the constrained path method, then it will not be held by the IDC during TLR level 4 or lower. Adjustments to Dynamic Schedules in accordance with NERC INT-004-1 [MSOffice1]will not be held under TLR level 4 or lower.

3.3.1 The Reliability Coordinator shall allow those Interchange Transactions using Firm Transmission Service that have been submitted prior to the NERC-approved tag submission deadline for Reallocation (*as found in* current version of IRO-006-4[MSOffice2]~~,~~)~~–~~,to be initiated as scheduled.

3.3.1.2. Reallocations for Dynamic Schedules are as follows: If an Interchange Transaction is identified as a Dynamic Schedule and the Transmission Service is considered Firm according to the constrained path method, then it will not be held by the IDC during TLR level 4 or lower. Adjustments to Dynamic Schedules in accordance with current version of NERC INT-004-1[MSOffice3] will not be held under TLR level 4 or lower.

3.4.1.2. Reallocations for Dynamic Schedules are as follows: If an Interchange Transaction is identified as a Dynamic Schedule and the Transmission Service is considered Firm according to the constrained path method, then it will not be held by the IDC during TLR level 4 or lower. Adjustments to Dynamic Schedules in accordance with current version of NERC INT-004-1[MSOffice4] will not be held under TLR level 4 or lower.

3.5.2.1.If an Interchange Transaction is identified as a Dynamic Schedule and the Transmission Service is considered Firm according to the constrained path method, then it will not be held by the IDC during TLR level 4 or lower. Adjustments to Dynamic Schedules in accordance with current version of NERC INT-004-1[MSOffice5] will not be held under TLR level 4 or lower.

Thank you,

Kathy York and Jim Busbin

Co-Chairs of the WEQ BPS

MINOR CORRECTION PROCESS (EXCERPTED FROM THE NAESB OPERATING PROCEDURES):

D. Minor Clarifications and Corrections to Standards

Minor clarifications and corrections to existing standards include: (a) clarifications or corrections made by a regulatory agency to standards that are of a jurisdictional nature, or by the American National Standards Institute or its successor; (b) clarifications or corrections to the format, appearance, or descriptions of standards in standards documentation; (c) clarifications or corrections to add code values to tables; and (d) clarifications and corrections that do not materially change a standard.

Any request for a minor clarification or correction to an existing standard should be submitted in writing to the executive director. This request shall include a description of the minor clarification or correction and the reason the clarification or correction should be implemented.

1. Processing of Requests

The executive director shall promptly notify the EC and any appropriate subcommittee(s) of the receipt of the request. The members of the applicable quadrant's EC shall promptly determine whether the request meets the definition of a minor clarification or correction. Through the decision of the vice chair of the applicable quadrant, this determination may be delegated to one of the quadrant's subcommittees, with the concurrence of the subcommittee chair, in which case the subcommittee shall make a prompt decision.

If the request is determined to meet the definition of minor clarification or correction, the applicable quadrant's EC, with input from any subcommittee(s) to which the request has been forwarded, shall act on the request within one month of its receipt. A meeting to discuss the request is not required; the decision may be made by notational vote. A simple majority of the votes received shall determine the outcome. The members of the applicable quadrant's EC shall be given at least three working days to consider and vote on the request.

2. Public Notice

The results of the vote on the request for a minor clarification or correction shall be posted on the NAESB website and the members of the applicable quadrant shall be notified of the request by e-mail. If the request has been approved by the applicable quadrant's EC, the notification shall include a brief description of the request, the contact name and number of the requester so that further information can be obtained, and the proposed effective date of the clarification or correction. The proposed effective date of the minor clarification or correction shall normally be one month from the date of the public notice. Any interested party shall have an opportunity to comment on the request, and the comments shall be posted on the NAESB website. The comment period is two weeks.

3. Final Disposition of Approved Requests

If no comments are received on an approved request, the standard shall be clarified or corrected as specified in the approved request on the effective date proposed. If comments are received, they shall be forwarded to the members of the applicable quadrant's EC for consideration. Each comment requires a public written response from the applicable quadrant's EC. The applicable quadrant's EC shall determine whether changes are necessary as a result of the comments. Members of the applicable quadrant's EC shall be given three working days to consider the comments and determine the outcome, which shall be decided by a simple majority of the votes received. A meeting to discuss the request is not required; the decision may be made by notational vote. The standard shall be clarified or corrected in accordance with the outcome of the vote, effective with the completion of voting, and notice thereof shall be posted on the NAESB website.

TAB 6

Specific Issues Updates

- The synopsis of specific standards development activities is included. The materials are provided for discussion purposes and no action is required of the WEQ EC members. Updates are provided for:
  - Order 890 Plan
  - TLR Split to business practices progress report
  - Order 698
  - DSM-EE efforts
  - Registry Status
  - Publication of Version 1.0
- The materials in Tab 6 correspond to agenda item 5.

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	Order 890 Work Plan			
Order Cite	**Action Item/Work Plan**	**Action Item Home**	**Target Dates**	**Status**
ATC GROUP ASSIGNMENTS (ESS/ITS and BPS)				
243, 244, 246, 293	Business Practice Standards complementary to NERC Reliability Standards for **Existing Transfer Capability (ETC)** to create a "consistent approach for determining the amount of transfer capability a transmission provider may set aside for its native load and other committed uses", including the elements of ETC for full implementation of the NERC MOD-001 reliability standard* Paragraphs 243, 244, and 246 will require coordination with the NERC Order 890 reliability standards development *See also, ESS/ITS Work Plan, Group 1 • Business practice standards for accounting for **counterflows**. These standards will be included in the ATC business practice standards (Paragraph 293 will require coordination with the NERC Order 890 reliability standards development)	• WEQ 2007 Annual Plan Item 2(b)(ii)	**These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed**: FORMAL COMMENT: end of 4th Quarter WEQ EC VOTE: 1st Quarter, 2008 RATIFICATION: 1st Quarter, 2008	The NAESB ESS/ITS and BPS are working to draft complementary business practices to the NERC MOD028, MOD029, and MOD030, which includes ETC. The NERC team has determined that there is not a need for explicit posting of ETC values; the ESS/ITS and BPS supports the decision. The ETC components will be posted as necessary. After review of this work plan item, the joint ESS/ITS/BPS ATC working group determined that discussions on practices must be convened for each of the ETC requirements in NERC standards to determine if additional Business Practices are needed. NERC has requested that NAESB practices address post-back requirements. (8/16/07) The ESS/ITS and BPS have

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				created a list of items that are considered post-backs to be used in the creation of post-back requirements.
257, 262	**Capacity Benefit Margin (CBM) Business Practices** • Business practice standards to set forth "how the CBM value shall be determined, allocated across transmission paths, and used" and how transmission providers will "reflect the set-aside of transfer capability as CBM in the development of the rate for point-to-point transmission service." (Paragraph 257 will require coordination with the NERC Order 890 reliability standards development)	• WEQ 2007 Annual Plan Item 2(b)(iii) – 1st bullet	**These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed**: FORMAL COMMENT: end of 4th Quarter WEQ EC VOTE: 1st Quarter, 2008 RATIFICATION: 1st Quarter, 2008	The ESS/ITS and BPS have begun identifying complementary business practices to NERC MOD004. The ESS/ITS and BPS have identified the NAESB business practice standards that will be needed to address CBM, including where the CBM value shall be posted; how to allocate priority use of CBM; how to allocate the amount of CBM; the ability to audit CBM usage; a new request type on OASIS to distinguish a CBM reservation; and for the posting of CBM on the OASIS systemdata template.

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	• Business practice standards that include an OASIS mechanism to "allow for auditing of CBM usage." (Paragraph 262 does not require coordination with the NERC Order 890 reliability standards development)	• WEQ 2007 Annual Plan Item 2(b)(iii) – 2nd bullet	FORMAL COMMENT: end of 4th Quarter WEQ EC VOTE: 1st Quarter, 2008 RATIFICATION: 1st Quarter, 2008	The ESS/ITS is continuing to evaluate and review the templates and practices for CBM, including auditing of CBM usage. 8/16/07
	• Any additional business practice standards needed to complement the NERC CBM reliability standards (MOD004) created as a result of this effort. (This item is a catchall section in case there are areas where business practices are needed as a result of the NERC CBM reliability standards. This item will require coordination with the NERC Order 890 reliability standards development).	• WEQ 2007 Annual Plan Item 2(b)(iii) – 3rd bullet	**These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed**: FORMAL COMMENT: end of 4th Quarter WEQ EC VOTE: 1st Quarter, 2008 RATIFICATION: 1st Quarter, 2008	The ESS/ITS and BPS have begun identifying complementary business practices to NERC MOD004.
272, 273	• **Transmission Reliability Margin (TRM):** Business Practice Standards to complement the NERC reliability standards for TRM (Paragraph 272 will require coordination with the NERC Order 890 reliability standards development)	• WEQ 2007 Annual Plan Item 2(b)(iv) – 1st bullet	**These dates are dependent on NERC deliverables and may be**	The ESS/ITS and BPS have begun identifying complementary business

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	• The business practice standards will include specification of the appropriate uses of TRM and when transmission providers may set aside TRM (Paragraph 273 will require coordination with the NERC Order 890 reliability standards development) • Any additional business practice standards needed to complement the NERC TRM reliability standards (MOD008) created as a result of this effort (This item is a catchall section in case there are areas where business practices are needed as a result of the NERC TRM reliability standards. This item will require coordination with the NERC Order 890 reliability standards development).	• WEQ 2007 Annual Plan Item 2(b)(iv) – 2nd bullet • WEQ Annual Plan Item 2(b)(iv) – 3rd bullet	**changed if NERC timelines for Order 890 are changed**: FORMAL COMMENT: end of 4th Quarter WEQ EC VOTE: 1st Quarter, 2008 RATIFICATION: 1st Quarter, 2008	practices to NERC MOD008. The ESS/ITS and BPS are continuing to evaluate and review the templates and practices for TRM, 8/16/07 The ESS/ITS and BPS recognize that NAESB can move forward with the development of OASIS posting requirements for TRM without dependence on the NERC deliverables.

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301, 310, 369, 246, 405, 413	Business Practice Standards for ATC and AFC Calculation Methodologies to complement the NERC reliability standards created for ATC and AFC Methodologies (NERC MOD001 (Available Transfer Capability); NERC MOD028 (Network Response Available Transfer Capability); NERC MOD029 (Rated System Path Available Transfer Capability); and NERC MOD030 (Flowgate Network Response Available Transfer Capability)): • Business practice standards to address the frequency and posting requirements for all ATC components that are complementary to the related NERC reliability standards (Paragraph 301 will require coordination with the NERC Order 890 reliability standards development) • ~~Business practice standards for accounting for **counterflows**. These standards will be included in the ATC business practice standards~~ (Inserted as component of ETC work).	• WEQ 2007 Annual Plan Item 2(b)(v) – 1st bullet	**These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed**: FORMAL COMMENT: end of 4th Quarter WEQ EC VOTE: 1st Quarter, 2008 RATIFICATION: 1st Quarter, 2008	The ESS/ITS and BPS has drafted several sets of language and is in the process of coordinating alignment with the NERC ATC Drafting Team. ESS/ITS work has identified OASIS S&CP changes to facilitate posting of data for bullets 1, 3,4 & 5. For these, some existing Business Practices may need to be modified and other Business Practices may need to be developed.

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	• Business practice standards for data exchange for ATC modeling complementary to the related NERC reliability standards including any OASIS posting requirements to achieve the data exchange (Paragraph 310 will require coordination with the NERC Order 890 reliability standards development)	• WEQ 2007 Annual Plan Item 2(b)(v) – 2nd bullet	**These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed**: FORMAL COMMENT: end of 4th Quarter WEQ EC VOTE: 1st Quarter, 2008 RATIFICATION: 1st Quarter, 2008	NERC will be addressing data exchange standards (Bullet 2) and will identify any new OASIS posting requirements or template query requirements which are needed in order to facilitate data exchange for ATC modeling
	• Business practice standards that will set forth how transmission providers will post "explanations of the reason for a change in monthly and yearly ATC values on a constrained path." The standards will include a requirement that the transmission provider post the reason for the change in a narrative form. The posted information will include "the (1) specific events which gave rise to the change and (2) new values for ATC on that path (as opposed to all points on the network)." (Paragraph 369 will not require coordination with the NERC Order 890 reliability standards development)	• WEQ 2007 Annual Plan Item 2(b)(v) – 3rd bullet	FORMAL COMMENT: end of 4th Quarter WEQ EC VOTE: 1st Quarter, 2008 RATIFICATION: 1st Quarter, 2008	ESS/ITS work has identified OASIS S&CP changes to facilitate posting of data for bullets 1, 3,4 & 5. For these, some existing Business Practices may need to be modified and other Business Practices may need to be developed.

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	• Business practice standards for posting on OASIS of the "underlying load forecast assumptions for all ATC calculations" (Paragraph 413 will not require coordination with the NERC Order 890 reliability standards development)	• WEQ 2007 Annual Plan Item 2(b)(v) – 4th bullet	FORMAL COMMENT: end of 4th Quarter WEQ EC VOTE: 1st Quarter, 2008 RATIFICATION: 1st Quarter, 2008	ESS/ITS work has identified OASIS S&CP changes to facilitate posting of data for bullets 1, 3,4 & 5. For these, some existing Business Practices may need to be modified and other Business Practices may need to be developed.
	• Business practice standards for posting on OASIS of the "actual daily peak load for the prior day." (Paragraph 405 will not require coordination with the NERC Order 890 reliability standards development)	• WEQ 2007 Annual Plan Item 2(b)(v) – 5th bullet	FORMAL COMMENT: end of 4th Quarter WEQ EC VOTE: 1st Quarter, 2008 RATIFICATION: 1st Quarter, 2008	ESS/ITS work has identified OASIS S&CP changes to facilitate posting of data for bullets 1, 3,4 & 5. For these, some existing Business Practices may need to be modified and other Business Practices may need to be developed.
	• Paragraph 246 is addressed in the first row of this plan.			Bullet 6 (counterflows) is a component of ETC and will be addressed in that item. 8/16/07

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	• Business practice standards to complement NERC reliability standards for Transfer Capability in response to new NERC Supplemental SAR: Revisions to Existing Standards MOD001-MOD009, FAC12-13 (This item was added as a result of the Supplemental SAR NERC created in case additional business practices are needed as a result of the work on this SAR by NERC. It does not have a cite in Order 890. This item will require coordination with the NERC Order 890 reliability standards development).	• WEQ Annual Plan Item 2 (b)(vi) – 1st bullet	**These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed**: FORMAL COMMENT: end of 3rd Quarter WEQ EC VOTE: 4th Quarter, 2007 RATIFICATION: 4th Quarter, 2007	
	• Business practice standards to set forth the procedure for input on TTC and ATC methodologies and values. (During the Order 890 NERC and NAESB joint standards development effort, it was determined that the standards contained in MOD003 should be business practice standards instead of reliability standards. NERC has requested that NAESB adopt the standards as business practices via correspondence to Ms. McQuade, NAESB President.) This item will require coordination with the NERC Order 890 reliability standards development because the language to address this item is contained within a draft standard that addresses items that are dependent on NERC deliverables, i.e., the requirements to create an "ATC Information Link" on OASIS. There is no Order 890 cite for this item.	• WEQ Annual Plan Item 2 (b)(vi) – 2nd bullet	**These dates are dependent on NERC deliverables and may be changed if NERC timelines for Order 890 are changed**: FORMAL COMMENT: end of 4th Quarter WEQ EC VOTE: 1st Quarter, 2008 RATIFICATION: 1st	The BPS and ESS/ITS have drafted language to incorporate MOD003 into NAESB business practice standard language. A draft of this language has been reviewed by the NERC ATC Drafting Team.

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			Quarter, 2008	
	• Existing OASIS standards WEQ 001 have been revised to reflect the Order 890 modifications to the OATT Section 37.6 and 37.7. This item will not require coordination with the NERC Order 890 reliability standards development)	• WEQ Annual Plan Item 2(c)	FORMAL COMMENT: end of 4th Quarter WEQ EC VOTE: 1st Quarter, 2008 RATIFICATION: 1st Quarter, 2008	A recommendation for this item was posted for formal comment on August 22, 2007 with comments due on September 21, 2007.

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ESS/ITS ASSIGNMENTS				
	GROUP 0: RESALES			
815, FN 496	The OASIS business practices developed to align the existing NAESB standards with Order 890 will include the requirement that "all sales or assignments of capacity be conducted or otherwise posted on the transmission provider's OASIS on or before the date the reassigned service commences." The OASIS business practices will also conform to Footnote 496 of Order 890. The business practices will include the requirement that the assignee "execute a service agreement directly with the transmission provider." In addition, the business practices will include the requirement that the assignee pay "the transmission provider for service at the negotiated rate and the transmission provider will bill or credit the assignor with any the difference between the negotiated rate and the assignor's original rate.	WEQ 2007 Annual Plan Item 2(a)(i)	FORMAL COMMENT: The ESS/ITS posted a recommendation for formal comment that includes revisions to the Resales standards to address the directives in Order 890 on April 5, 2007 with comments due on May 4, 2007. WEQ EC VOTE: The WEQ Executive Committee adopted a revised recommendation during the May 8 WEQ EC meeting. RATIFICATION: The recommendation, as revised by the WEQ Executive Committee was posted for member ratification on June 22, 2007. Ratification ballots are due on July 23, 2007. The ratification results are posted on the NAESB website. The final action is also posted on the NAESB WEQ Final Actions page: 2007 WEQ Annual Plan Item 2 Final Action - Recommendation for Revision to Final Action R04006D to align the	The Recommendation for the business practices was posted for formal comment on April 5, 2007 with comments due on May 4. The WEQ Executive Committee voted Recommendation at its May 8, 2007 meeting in Washington, DC. The modifications to the S&CPs will be processed under a separate recommendation that will also include other changes to the S&CPs required in Order 890. The Recommendation as revised by the WEQ Executive Committee was posted for ratification on June 22, 2007 with ballots due on July 23, 2007. The WEQ Membership ratified

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			Resales Standards with Order 890	the recommendation on July 23, 2007. The ratification results are posted on the NAESB website. The final action is also posted on the NAESB WEQ Final Actions page: 2007 WEQ Annual Plan Item 2 Final Action - Recommendation for Revision to Final Action R04006D to align the Resales Standards with Order 890
	GROUP 1: POSTING OF ETC; ANNOTATIONS FOR ATC; LOAD FORECAST AND ACTUAL LOAD; RE-BID OF PARTIAL SERVICE; PRECONFIRMATION PRIORITY; and CONDITIONAL FIRM			
243-244	**Posting of ETC*:** OASIS business practice standards and S&CPs necessary to implement the Business Practice Standards developed to complement NERC Reliability Standards for **Existing Transfer Capability (ETC)** to create a "consistent approach for determining the amount of transfer capability a transmission provider may set aside for its native load and other committed uses", including the elements of ETC for full implementation of the NERC MOD-001 reliability standard.	WEQ 2007 Annual Plan Item 2(a)(ii)	WEQ 002, WEQ 003 and WEQ 013 addressing S&CP requirements associated with Conditional Firm; Annotations for ATC; Load Forecast and Actual Load; Re-bid of Partial Service; and Preconfirmation Priority FORMAL COMMENT: The S&CP Requirements was posted for formal comment on October 3, 2007. WEQ EC VOTE: The WEQ	The ESS/ITS has drafted the required changes to the OASIS S&CPs to include the changes necessary to address the items in Group 1. Development of associated Business Practice Standards is underway, with completion expected 1st Quarter 2008.
369	**Annotations for ATC:** OASIS Business Practice Standards and S&CPs that will "require that the transmission provider post a brief, but specific, narrative explanation of the reason for a change in monthly and yearly ATC values on a constrained path." The posting requirements will include posting of "(1) specific events which gave rise to the change and (2) new values for ATC on that path (as opposed to all points on the network)."	WEQ 2007 Annual Plan Item 2(a)(ii)		
416	**Load Forecast and Actual Load:** OASIS Business Practice Standards and S&CPs for the	WEQ 2007		

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	posting of "load forecasts and actual daily peak load for both system-wide load (including native load) and native load."	Annual Plan Item 2(a)(ii)	Executive Committee will vote on the Recommendation posted for formal comment on October 3, 2007 for the Group 1 items during the 4th Quarter, 2007. RATIFICATION: The ratification of the Recommendation for the S&CP changes for Group 1 will be complete by the end of the 4th Quarter, 2007. WEQ 001, Business Practice requirements associated with Conditional Firm; Annotations for ATC; Load Forecast and Actual Load; Re-bid of Partial Service; and Preconfirmation Priority FORMAL COMMENT: the Business Practices will be posted for formal comment during the 1st Quarter, 2008. WEQ EC VOTE: The WEQ Executive Committee will vote on the Recommendation for Business Practices during the 1st Quarter, 2008.	
1378	**Re-bid of Partial Service:** OASIS Business practice standards and OASIS S&CPs for re-bid of partial service • NAESB will develop business practice standards to "allow a transmission customer to rebid a counteroffer of partial service so the transmission customer is allowed to take the same quantity of service across all linked transmission service requests.	WEQ 2007 Annual Plan Item 2(a)(ii)		
1392, 1401	**Pre-confirmation Priority:** Development of OASIS business practice standards and OASIS S&CPs to prohibit "transmission customers from changing a request into a pre-confirmed request and requiring OASIS platforms to be accessible on non-Windows/Explorer computers." **Pre-confirmation Priority:** Development of OASIS Business Practice Standards and OASIS S&CPs so that "pre-confirmed non-firm point-to-point transmission service requests and short-term firm point-to-point transmission service requests" have priority though "longer duration requests for transmission service will continue to have priority over shorter duration requests for transmission service." The standards will be written such that pre-confirmation will serve as a "tie-breaker" when the requests are of equal duration.			
1078	**Conditional Firm:** In Paragraph 1078 of Order 890, the Commission directed transmission providers to "assign short-term firm service to conditional firm customers as the service becomes available." The Commission also directed transmission providers to work with NAESB to "develop the appropriate communications protocols to implement this attribute of conditional firm service." NAESB will develop OASIS business practices and OASIS S&CPs that will implement the ability to assign short-term firm service to conditional firm customers. Development of communication protocols for conditional firm including tracking mechanism and regional variation. Need to review the tagging rules related to the use of	WEQ 2007 Annual Plan Item 2(a)(ii)		

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	conditional firm.		RATIFICATION: The ratification of the Recommendation for the Business Practices changes for Group 1 will be complete during the 2nd Quarter, 2008.	
	GROUP 2: METRICS; REDISPATCH COST POSTING			
413	**Metrics:** Business Practice standards s to "post on OASIS metrics related to the provision of transmission service under the OATT" including the posting of: • "the number of affiliate versus non-affiliate requests for transmission service that have been rejected"; • "the number for affiliate versus non-affiliate requests for transmission service that have been made"; • These standards will also set forth in the above referenced posting requirements the length of the service request and the type of the service requested		FORMAL COMMENT: The ESS/ITS plans to vote to send the Recommendation that includes the Business Practice Standards and S&CPs to address the items included in Group 2 during the 4th Quarter, 2007. WEQ EC VOTE: The WEQ Executive Committee will vote on the Recommendation for the Group 2 items during the 1st Quarter, 2008 RATIFICATION: The ratification of the Recommendation for the Group 2 items will be complete by the end of the 1st Quarter, 2008	The ESS/ITS has begun drafting standards to address the Group 2 items.
1318	**Metrics:** OASIS business practice standards to implement the standard performance metrics set forth in Order 890, Paragraphs 1308-1317.			
1005, 1162	**Redispatch Cost Posting:** Business practices for redispatch cost postings: • The business practice standards for redispatch cost postings will include OASIS business practices and any needed additions or revisions to the OASIS Standards & Communication Protocols (S&CPs) to allow for posting of third party offers of planning redispatch services. The business practice standards developed for redispatch cost postings may affect the existing NAESB business practice standards for Transmission Loading Relief.			

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	• The posting of redispatch information will also include the posting of each transmission provider's "monthly average cost of redispatch for each internal congested transmission facility or interface over which it provides redispatch service using planning redispatch or reliability redispatch under the pro forma OATT." • The business practice standards for redispatch cost postings will also include functionality for transmission providers to post "a high and low redispatch for the month" each internal congested transmission facility or interface over which it provides redispatch service			
	GROUP 3: NETWORK SERVICE ON OASIS			
385	Development of OASIS business practice standards and OASIS S&CPs for "transmission providers and network customers to use OASIS to request designation of new network resources and to terminate designation of network resources." The standards will include the ability to query requests to designate and terminate network resources and will require development of OASIS templates. Shall be posted on OASIS for 90 days and available for audit for a 5 year period Will result in ability of Transmission customers to be able to query requests to designate and terminate a network resource. Requests and responses made electronically.		FORMAL COMMENT: The ESS/ITS plans to vote to send the Recommendation that includes the Business Practice Standards and S&CPs to address the items included in Group 3 during the 1stQuarter, 2008. WEQ EC VOTE: The WEQ Executive Committee will vote on the Recommendation for the Group 3 items during the 2nd Quarter, 2008 RATIFICATION: The ratification of the Recommendation for the Group 3 items will be complete by ~~the end of the 2nd~~ Quarter, 2008	The ESS/ITS has not begun drafting standards to address the Group 3 items at this time.
1477	Development of OASIS business practice standards and OASIS S&CPs for provision of the designation of network resources electronically; masking of information "about operating restrictions and generating cost on OASIS"; and to "allow for queries of all information provided with designation requests			
1477	Development of OASIS business practice standards and OASIS S&CPs that describe "the procedural requirements for submitting designations over any new OASIS functionality.			
1504	Development of OASIS business practice standards and OASIS S&CPs to specify how designated network service informational postings are posted on OASIS .			

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	Develop details of how the view, download, and query requirements for information posted regarding network resource designations informational postings.			
1532	Development of OASIS business practice standards and OASIS S&CPs to set forth the "treatment of OASIS requests when the customer fails to provide the necessary attestation," when submitting a request to designate a new network resource. Attestation: Formatting of attestation information that will be provided on OASIS.			
1541	Development of OASIS business practice standards and OASIS S&CPs to describe "the procedural requirements for submitting both temporary and indefinite terminations of network resources, to allow network customers to provide all required information for such terminations." These business practice standards will include the functionality set forth in Order 890, Paragraph 1541.			
1541	Development of OASIS business practice standards and OASIS S&CPs to describe "the procedures for submitting and processing requests for concomitant evaluations of transmission requests and temporary terminations.			
	GROUP 4: CONDITIONAL FIRM; PRE-EMPTION; REQUEST R05019; and REVISIONS TO STANDARD 9.7			
1078	**Conditional Firm:** In Paragraph 1078 of Order 890, the Commission directed transmission providers to "assign short-term firm service to conditional firm customers as the service becomes available." The Commission also directed transmission providers to work with NAESB to "develop the appropriate communications protocols to implement this attribute of conditional firm service." NAESB will develop OASIS business practices and OASIS S&CPs that will implement the ability to assign short-term firm service to conditional firm customers. Development of communication protocols for conditional firm including tracking mechanism and regional variation. Need to review the tagging rules related to the use of conditional firm.		FORMAL COMMENT: The ESS/ITS plans to vote to send the Recommendation that includes the Business Practice Standards and S&CPs to address the items included in Group 4 during 2ndQuarter 2008. WEQ EC VOTE: The WEQ Executive Committee will vote on the Recommendation for the Group	The ESS/ITS has not begun drafting standards to address the Group 4 items at this time. Conditional Firm: Rolled into the Group 1in its entirety .
1269	**Revisions to Standard 001-9.7:** NAESB will continue to work to revise NAESB WEQ			

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	business practice standard WEQ 001-9.7 (which addresses rollover rights for Redirected transmission service) to be consistent with the Commission's policies.		4 items during the 2ndQuarter 2008 RATIFICATION: The ratification of the Recommendation for the Group 4 items will be complete by the end of the 2nd Quarter 2008	
1407	**Pre-emption:** Revise OASIS business practice standards and OASIS S&CPs so that "a new pre-confirmed request for transmission service would preempt a request of equal duration that has been accepted by the transmission provider but not yet confirmed by the transmission customer." It is the expectation that the business practice standards to address preemption will be developed in conjunction with NAESB Request No. R05019 to modify OASIS standards and OASIS S&CPs to clearly document the procedures used to implement the displacement/interruption terms of the Pro Forma tariff. This is consistent with NAESB Standard WEQ 001-4.25.			
	NAESB Request No. R05019: During the work to address FERC Order 890, the ESS/ITS will also use the opportunity to modify OASIS standards and S&CP to clearly document the procedures used to implement the displacement/interruption terms of the Pro Forma tariff as requested in NAESB Request No. R05019	R05019		
1377	**GROUP 5: PARAGRAPH 1377**			
	NAESB will develop business practice standards to facilitate the coordination of requests across multiple transmission systems using the principles set forth in Paragraph 1377 of Order 890. Develop S&CPs related to coordination of request across multiple transmission systems.		FORMAL COMMENT: The ESS/ITS plans to vote to send the Recommendation that includes the Business Practice Standards and S&CPs to address the items included in Group 5 during the 2ndQuarter 2008. WEQ EC VOTE: The WEQ Executive Committee will vote on the Recommendation for the Group 5 items during the 3rd Quarter	The ESS/ITS has not begun drafting standards to address the Group 5 items at this time.

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	Order 890 Work Plan			
Order Cite	**Action Item/Work Plan**	**Action Item Home**	**Target Dates**	**Status**
			2008. RATIFICATION: The ratification of the Recommendation for the Group 5 items will be complete by the end of the 3rd Quarter 2008	
	GROUP 6: MISCELLANEOUS			
1390	NAESB plans to review the existing business functions set forth in the NAESB WEQ standards to determine if changes should be made to address Paragraph 1390 of Order 890. FERC: OATT is sufficient to allow a Transmission Provider to manage situations where the Transmission Customer modifies its application for service to the point that the request is "meaningfully different" than initial request. ESS/ITS: need to review if this has any impact on business functions.		FORMAL COMMENT: The ESS/ITS plans to vote to send the Recommendation that includes the Business Practice Standards and S&CPs to address the items included in Group 6 during the 3rd Quarter 2008. WEQ EC VOTE: The WEQ Executive Committee will vote on the Recommendation for the Group 6 items during the 3rd Quarter 2008 RATIFICATION: The ratification of the Recommendation for the Group 6 items will be complete by the end of the 3rd Quarter 2008	The ESS/ITS has not begun drafting standards to address the Group 6 items at this time.
1627	Development of OASIS business practice standards and OASIS S&CPs for "the posting of additional curtailment information on OASIS" via a "detailed template for the posting of additional information on OASIS regarding firm transmission curtailments. Posting of curtailment information on OASIS: develop a detailed template for the posting of additional information on OASIS regarding firm transmission curtailments.			

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NAESB TLR UPDATE
OCTOBER 19, 2007

TLR STANDARDS DEVELOPMENT:

August 2-3, 2004: On August 2-3, 2004, team leaders from the NERC Version 0 Standards Drafting Team and the NAESB Business Practices Subcommittee (BPS) met in Chicago, IL to develop a joint recommendation on the division of the NERC Operating Policies into NAESB Business Practice Standards and NERC Reliability Standards. The unanimously endorsed recommendation of the task force for TLR was for NERC and NAESB to adopt a TLR procedure document with the same language and format in their respective Version 0 standards and immediately begin a joint project to develop replacement Version 1 standards distinguishing reliability requirements and business practices by the end of 2005.

August 16, 2004: The final recommendation of the joint task force that met in Chicago was presented to the Joint Interface Committee on August 16, 2004. The recommendation above for the separation of business practices and reliability standards from the Version 0 TLR standard with commitment to file the Version 1 standards with the FERC by end of year 2005 was unanimously approved by the members of the JIC.

December 31, 2004: NAESB WEQ membership ratified the Version 0 TLR (pre-split) standards.

December 8, 2004: The joint TLR Task Force met 8 times from December of 2004 until June of 2005 to complete the designated split of the business practices from the reliability standards of TLR Version 0. On **June 1-2, 2005,** the NAESB members of the task force unanimously supported the division completed by the task force and the NERC members took a straw man vote to show their unanimous support. At this point, the standards moved to their assigned drafting teams at NERC and NAESB for completion.

June 14-15, 2005: The NAESB WEQ BPS met 7 times, from June 14-15, 2005 to October 12, 2005, to complete the NAESB post-split TLR standard. It was voted out of subcommittee on October 12. Please note the standard was posted for informal comments prior to being voted out of subcommittee.

(NERC) July 14, 2005: NERC Operating Reliability Subcommittee (ORS) submitted a Standards Authorization Request (SAR) for the post-split NERC TLR Standards. Twelve sets of comments were submitted on the SAR: six sets supported the division and six did not.

October 10, 2005: R05009 Recommendation (Modify the NAESB Version 0 TLR business practices to remain consistent with the NERC Version 0 TLR reliability standards [dynamic flows]) was ratified by NAESB WEQ membership.[1]

(NERC) November 18, 2005: NERC ORS sent a letter to NAESB requesting that NAESB cease development of Recommendation R04013A (NAESB post-split TLR standards) based upon the comments received at NERC. This letter was received as comments on Recommendation R04013A. All comments received on the recommendation were reviewed by the NAESB BPS on **November 22** in preparation of the NAESB November 29 WEQ Executive Committee (EC) meeting. Although these comments were officially considered by the WEQ EC, the BPS members noted the following reasons that NAESB should move forward with Recommendation R04013A: a separate standard should exist at NAESB to adequately address the commercial needs of the industry; division and maintenance of standards had been addressed previously by NERC and NAESB during other standards drafting activities (Coordinate Interchange); the JIC

[1] Please note that this change to the NAESB pre-split Version 0 standard was completed to correspond with NERC changes to their Version 0 TLR standards to account for dynamic schedules. This change followed up on the commitment of NERC and NAESB to keep the standards in line with the "same language and format." The Urgent Action SAR was approved by the NERC Board of Trustees in June 2005.

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had previously unanimously supported the assignment of this project and; not moving forward with the standard could affect the standards drafting process at both NERC and NAESB.

November 29, 2005: Recommendation R04013A (post-split TLR standards) was reviewed by the WEQ Executive Committee. The WEQ EC recommended the adoption of the TLR Business Practices with ratification held in abeyance until TLR implementation issues between NERC and NAESB were clearly defined. The WEQ EC recommended the WEQ Board members make this determination.

December 19, 2005: The WEQ EC approved the Recommendation by notational ballot on December 19, 2005.

February 17, 2006: NAESB filed a progress report with the FERC updating them on the state of the NERC-NAESB joint standards development process.[2] The following statement, found in the progress report, reaffirms NAESB's commitment to complete the joint development of the TLR standards and to work with NERC to provide for standards that complement each other:

> NAESB would not immediately file these business practices with the Commission for consideration until NERC and NAESB have had an additional opportunity to determine if further changes are needed, and NERC has completed it process of developing the reliability standards. It is expected that NERC and NAESB will employ the joint development process to ensure that the coordination of the development of the two products is achieved.

February 22, 2006: Joint development template for NERC and NAESB efforts was presented to the Board of Directors via email. The Board unanimously adopted the template and authorized the NAESB office to move forward with ratification of the post-split TLR standards.

(NERC) February 24, 2006: NERC filed a statement with the FERC in support of the progress report on joint standards development filed by NAESB on February 17, 2006.[3]

April 10, 2006: The post-split standard was ratified by 80% of the NAESB WEQ Membership that voted.

(NERC) May 3, 2006: NERC ORS discussed SAR for post-split standards and future action plan.

(NERC) June 22-23, 2006: NERC Standards Authorization Committee (SAC) approved the formation of a TLR SAR Drafting Team and asked for nominations for this team.

(NERC) August 2, 2006: URGENT ACTION: SPP Regional Difference - IRO-006-3 posted for NERC Board of Trustees adoption.

(NERC) August 17, 2006: The NERC TLR SAR Drafting Team began meeting. Its first priority is to answer the comments submitted on the previous NERC TLR SAR.

September 1, 2006: R06002 Recommendation - Modify NAESB pre-split Version 0 TLR business practices to remain consistent with NERC IRO-006-1 pre-split TLR reliability standards (inclusion of market flows). – was ratified by 100% OF THE NAESB WEQ Membership that voted.[4]

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[2] Progress Report on NAESB Activities impacting Docket No. RM05-5-000, "Standards for Business Practices and Communication Protocols for Public Utilities", filed with the Commission on February 17, 2006, Accession Number 20060217-5041.

[3] Statement of North American Electric Reliability Council In Support of Comments and Report by North American Energy Standards Board, under RM05-5 filed with the Commission on February 21, 2006, Accession Number 20060217-5082.

[4] Please note that Recommendation R06002 also follows up on NERC and NAESB's commitment to keep the Version 0 standards in line with the "same language and format." However, this commitment was made in reference to the standards held in NERC Operating

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(NERC) September 11, 2006[5]: The NERC TLR SAR Drafting Team held its second meeting.

(NERC) October 2, 2006: The NERC TLR SAR Drafting Team held its third meeting in Carmel, Indiana.

(NERC) October 13, 2006: The NERC TLR SAR Drafting Team held its fourth meeting.

(NERC) November 6, 2006: The NERC TLR SAR Drafting Team held its fifth meeting.

(NERC) December 5, 2006: The NERC TLR SAR Drafting Team held its sixth meeting. NERC SC (Executive Committee) held a conference call the same day and approved the TLR SAR that includes the General Update with NAESB. The SC EC authorizes team to keep moving forward with drafting, even thought the SAR is posted for commented and nominations must be submitted for the NERC TLR Drafting Team. The SAR Drafting Team sent a memo to Gerry Cauley and Rae McQuade notifying them of their intent to move forward was under the joint development process. The NERC Standards Drafting Team and WEQ BPS will now meet jointly to continue development of TLR NERC Reliability Standards and to make modifications to the ratified post-split TLR business practices as needed. The NAESB team is proceeding with any changes necessary under the WEQ 2007 Annual Plan Item 1 (d) (ii) and (iii).

January 10-11, 2007: The NERC TLR Drafting Team and the NAESB WEQ BPS met jointly in Houston, TX to continue work on the development of the NERC TLR post-split reliability standards and any modifications to the NAESB ratified post-split standards. The group discussed how best to develop a joint operator's manual for the two sets of standards, once the NERC standards are complete. It is anticipated that in order to have a manual that makes sense, transition language must be added to the NAESB standards. In addition, NERC staff informed the teams that when balloted, it would be necessary to include the NAESB standards. The balloting body will be informed that the NAESB standards are not to be voted on. However, the removal of those portions from the NERC TLR standards must be voted on. Therefore, the group continued with delineating the standards and which were included in the NAESB business practices, and which are to be included in the NERC reliability standards. The group also discussed the implication and effect of the PJM/MISO curtailment threshold field test (included in the SAR) on the development of the TLR standards and the incorporation of the regional differences for PJM and SPP in the NAESB ratified standards (Appendix D). [6]

February 27-28, 2007: The teams met jointly in Birmingham, AL to continue work on the development of the NERC post-split reliability TLR standard. Much of the content of IRO-006 Attachment 1 assigned to NERC deals with the IDC. A decision was made to include these sections in an IDC Reference Document that would become Attachment 2 of IRO-006, instead of including in Attachment 1. A decision was also made to maintain Section E of IRO-006 (PJM Regional Differences) in both documents (in NAESB it is part of Appendix D) until after the completion of the PJM field test on curtailment at NERC. The WEQ BPS noted that it would change the NAESB requirements to clarify reallocation for a TLR level 5a and 5b. It was also decided by the team that NERC should not post the standard for comment until all parts of the standard package were complete because it is the opinion of the team that if commenters are able to view the entire package there will be more support for NERC's post-split Attachment 1.

Policy IRO-006-Attachment 1. NERC waivers in the version 0 standards were not contained in Attachment 1. It would not have been appropriate to contain these waivers in the NAESB Version 0 standard, since there originally not part of Attachment 1. However, during the Version 1 effort it was determined that these waivers were commercial in nature (please reference the addition to the NAESB standard of the PJM/MISO regional difference). Therefore, NERC has made the SPP change to IRO-006 (NERC's version 0 standard) and NAESB has made the corresponding change to its version 1 standard (more specifically, regional differences are included in Appendix D of the NAESB post-split standard). When NERC completes its version 1 standard, the SPP waiver should not be included.

[5] Please note that more information is not available for this meeting (or the following meeting) on the NERC website at this time.

[6] Please note that these are notes kept by the NAESB office, as minutes are not available for this meeting from the NERC TLR drafting team at this time. When available, these notes will be updated.

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NAESB TLR UPDATE
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March 19, 2007: The WEQ BPS met to revise the R06002 post-split TLR standard to include Reallocation language for a TLR level 5a and 5b. It was the decision of the team to mimic the Reallocation language for a TLR level 3a and 3b. The team will review the change with the joint team on March 28-29.

March 28-29, 2007: The teams met in Houston, TX to continue work on the draft standards. The language added to the NAESB business practices for Reallocation for a TLR level 5a and 5b mimics that for a TLR level 3a and 3b and is included as a separate requirement. The joint team approved of the change made by the BPS. The team completed a list of action items for IRO-006, including compliance measures that NERC noted must be completed before the standard can be submitted for comment. In addition, the team discussed the joint operator's manual for TLR. NERC will not post the IRO-006 and Attachment 1 for comment without a thorough example of the manual because it is their opinion the standard will receive too many negative comments without the manual to continue. A timeline was laid out for the completion of the NERC process for the standard. It is included in this timeline.

April 18-19, 2007: The teams met in Carmel, Indiana hosted by MISO. During this meeting, the following was accomplished:

- Mr. Li was installed as the new chair of the TLR DT.
- Preparation of the draft TLR Standard IR006-4 and related documents for posting for comments at NERC
- Review draft IRO-006 standard with requirements and compliance elements
- A status report on the MISO/SPP/PJM Curtailment Threshold Field Test

May 23-24, 2007: The team met jointly in Chattanooga, TN hosted by TVA. During this meeting the teams discussed the posting of the draft standard and the fact that no comments had been submitted as of May 20, had a discussion on the various requirements in Attachment 1, had an update on the MISO/SPP/PJM Curtailment Threshold Field Test, reviewed Order 693 in relation to IRO006, discussed Phase III deliverables and scope (teams were assigned to the Phase III items)

June 15, 2007: Comments were due back on the NERC posting.

June 19-20, 2007: The teams met in Houston, TX to answer comments submitted on the NERC reliability standard. Responses to each comment were drafted. Minor modifications were made to the draft standard and Attachment 1: The purpose was revised; Transmission Operator was reinstated as an applicable entity; and the RC-to-RC coordination between interconnections was made a lower Violation Security Level. It was determined that the documents would not be posted for another comment period, but would be posted for a 30-day pre-ballot review. The teams agreed that the Joint Operator Manual should be made available when the documents are posted for ballot. Mr. Rodriquez will pursue the next steps necessary with other NERC Staff in order to ready the documents for pre-ballot posting.

July 9-10, 2007: The teams met in Toronto to complete the Joint Operator Manual so that it can be posted when the standard is posted for ballot and to continue working on Phase III work. The group developed a schedule so that the reliability standard could potentially be approved by the NERC Board of Trustees and then submitted to the FERC in around the same time the NAESB TLR business practice standards, which are scheduled to be filed with the FERC before or soon after the next NAESB board meeting on September 27, 2007. The teams reviewed the status of IRO-006 and the Compliance Guide, and decided to have a conference call to finalize all documents before posting the standard on July 20, 2007. Phase III work continued, and the group discussed splitting the standard into three parts regionally for the ERCOT, the WECC, and the Eastern Interconnect. The group also discussed removing TLR Severity Level 6 from the standard, however a final determination was not made. The new schedule created by the group is as follows:

- Conference Call July 19, 2007 from 9:00 a.m. to 10:00 p.m. (eastern) - to review the Joint Operator Manual and prepare for pre-ballot posting

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- Industry Webcast hosted by NERC August 9, 2007 from 1:00 p.m. to 2:30 p.m. (eastern) - to give the industry an opportunity to ask questions during pre-ballot review
- Meeting in Carmel, IN on August 22-23, 2007 from 9:00 a.m. to 5:00 p.m. (eastern) - to continue Phase III work
- Conference Call September 6, 2007 from 2:00 p.m. to 3:00 p.m. (eastern) - to overview comments and distribute work after ballot period is over
- Conference Call September 13, 2007 from 1:00 p.m. to 5:00 p.m. (eastern) - to review comments and responses from previous call
- Meeting in Minneapolis, MN on October 4, 2007 from 9:00 a.m. to 5:00 p.m. (central) and October 5, 2007 from 9:00 a.m. to 5:00 p.m. (central) - to continue Phase III work

July 19, 2007: The team met via conference call to finalize all documents before posting standard IRO-006-4 on July 20, 2007. The group reviewed the Compliance Guidelines and the Joint Operator Manual, and determined that while the draft of the Joint Operator Manual was sufficiently completed to be posted along with the standard, it still needs to be reviewed and modified. The team agreed to submit all proposed modifications and amendments to the documents by July 25, 2007 and have the revised Joint Operator Manual posted by August 13, 2007.

July 20, 2007: The WEQ BPS met to revise the R06002 post-split TLR standard to update references of NERC INT-004 and NERC IRO-006-1 to state "current versions of NERC INT-004 and NERC IRO-006-1". The group also discussed changing references to Appendix E to the IDC Reference Document, but determined to wait until NERC modified their documents to reflect the change.

August 9, 2007: The team met via conference call to host an industry webcast in an effort to give members of the industry an opportunity to ask the Drafting Team questions during the standard's pre-ballot review. The group reviewed the changes to the existing standard and answered the few questions posed from the participants. The team plans to meet later in the month to review the comments submitted and draft responses before reposting for the 10 day ballot period.

August 22-23, 2007: The teams met in Carmel, Indiana hosted by Midwest ISO to continue Phase III work. During the meeting the group revisited the severity guidelines of the NERC Compliance Guidelines document, and continued work on IRO-006-5. The group heard presentations on the WECC and ERCOT, and continued discussions on the issue of regional applicability. The team also discussed the possibility of creating a TLR training module. A future meeting was scheduled in Washington D.C. on November 27-28, 2007 to continue the Phase III work.

August 29, 2007: Ballots for NERC IRO-006-4 were due to NERC and 93.52% voted in favor. The standard will proceed to recirculation ballot

September 6, 2007: The team met via conference call to overview the comments submitted in response to NERC IRO-006-4, and distribute assignments based upon the comments. The team noted the 90% approval of the standard and due to the limited number of comments submitted in response to the standard, the group decided to review the responses drafted offline by members of the Drafting Team. The group made a few minor modifications to these responses for clarity purposes and agreed to forgo the conference call on September 13, 2007 originally scheduled to draft responses to comments. The team also agreed to make any other minor modifications to the responses through email, and to have those modifications complete by close of business on September 10, 2007. The standard with responses to comments will be placed on a 10 day recirculation ballot before being presented to the NERC board. It is the expectation at this time that the recirculation ballots will be distributed during the week of September 10, 2007.

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October 4-5, 2007: The teams met on October 4-5, 2007 in Minneapolis, MN where the team continued Phase III work.

October 19, 2007: NERC and NAESB agreed to a NAESB waiver for Version 1 TLR standards, so that NERC could publish the Version 1 NAESB TLR standards in its operator's manual.

October 31, 2007: NAESB is scheduled top publish the TLR standards in Version 1, which will be filed with the FERC in mid-November.

January 29-30 2007: The teams' next meeting is scheduled for January 29-30 2008 in Houston, TX where the team will continue Phase III work

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NAESB DSM-EE ACTIVITY SUMMARY
OCTOBER 30,2007

DSM-EE PROJECT – ASSIGNED TO RETAIL GAS, RETAIL ELECTRIC AND WHOLESALE ELECTRIC:

- **April 11, 2007:** Several representatives of the NAESB WEQ, REQ, and RGQ as well as representatives of the US Department of Energy, US Environmental Protection Agency, FERC, and other industry experts met at the Department of Energy offices in Washington, D.C. to discuss the NAESB effort to draft business practices for Demand Side Management and Energy Efficiency. Ongoing Energy Efficiency and DSM projects and programs by other groups (such as NAPEE) were reviewed by the meeting attendees. The following resolution outlines the scope of the initial effort by NAESB to draft business practice standards for these topics: It was decided that NAESB should begin its standards development focus on measurement and verification of energy savings and peak demand reduction from both a wholesale and retail electric market perspective. A future schedule of meetings for DSM and Energy Efficiency should be posted on the NAESB website shortly.
- **May 24, 2007:** 75 NAESB members, FERC, DOE, EEI, ISO and State regulatory personnel, experts in DSM and energy markets participants (22% more than the first meeting) met in person and by conference telephone at NAESB headquarters in Houston to refine the scope of Phase 1 activities, agreeing on a specific list of tasks and assigning subgroups of volunteers to work on each task. At this meeting, no less than 28 individuals spoke to the group.
- **June 18, 2007:**. 51 NAESB members, FERC, DOE, EEI, ISO and State regulatory personnel, experts in DSM and energy markets participants met in person and by conference telephone at BGE offices in Baltimore to further refine the scope of Phase 1 activities by reviewing the initial task list and revising it with more detailed deliverable requirements and dates, and with identification of base documents to support completing each task.
- **July 26, 2007:** 46 NAESB members, FERC, DOE, EEI, ISO and State regulatory personnel, experts in DSM and energy markets participants met in person and by conference telephone at AGA offices in Washington DC to present deliverables of existing demand response measurement and verification protocols and a list of 41 possible topics and subtopics for NAESB model business practices. The task force reviewed all 41 possibilities, deciding whether to draft MBPs and which ones can be grouped together.
- **September 14, 2007:** The results of the meeting including possible standards text were sent out for comment including notes, considerations and possible standards text. Comments were requested on each of the nine standards development areas including whether the remarks were directed to wholesale or retail markets, pre program evaluation or post implementation evaluation, or to DSM or EE projects. All comments have been posted.
- **September 25, 2007:** After discussing the comments on possible standards development areas, it was determined to focus on development of 3 matrices of DR program attributes, for programs currently in place or planned for (1) ISO/RTO markets, (2) wholesale electric markets not in ISO footprints, (3) for retail markets as there is a clear dependence to the two efforts above. In addition work is underway for a supporting glossary and a preamble to put the matrices, the glossary and any resulting standards in context. The group will not employ surveys. The matrices , once developed, will be sent out for industry comment as will the proposed standards and model business practices language resulting from the matrices. The comments will provide additional refinements and modifications to the proposed standards development.
- **Planned, November 30, 2007:** Meeting hosted by Dominion in Richmond.

THE FOLLOWING INCLUDES:

- 9-14 SUMMARY OF COMMENTS, DOCUMENT LINKS PAGE 2
- DISTRIBUTION LISTS PAGE 3
- 9-25-07 DRAFT METING MINUTES PAGE 11

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NAESB DSM-EE ACTIVITY SUMMARY – SEPTEMBER 14, 2007 COMMENTS
OCTOBER 30, 2007

COMMENTS RECEIVED ON SEPTEMBER 14, 2007 AND LINKS TO MEETING MATERIALS

The comments forwarded related to the September 14 request include:

- specific issues on the sets of questions and topics listed (Duke Energy, ElectriCities, MISO)
- a reorganization of topics to better frame the possible standardization issues (EVO)
- a focus on efforts that may be helpful in the wholesale markets (ISO-NE and ERCOT, and B. Borlick)
- a direction to consider for both wholesale and retail standards development based on the recent experience of a group represented by all state public utility commissions and administrators of publicly funded electric efficiency programs in New England (NESPWG)
- a suggested approach to delay action on the retail market items until additional review can be accomplished by a broader audience (NARUC).

In side conversations, it was suggested that the group could consider a focus on two broad goals for the energy efficiency/demand response M&V work:

- develop a standard that could be used to measure and verify energy reductions that are made to comply with a Renewable Portfolio Standard that included energy efficiency or a stand-alone Energy Efficiency Portfolio Standard
- develop a standard that could be used by RTOs and / or other organizations (and sanctioned by NERC and FERC) to factor Demand Control and Energy Efficiency programs into reliability / supply decisions at the wholesale level for generation and transmission planning and operations.

Similarly, in email exchanges, it was raised that due to the NAPEE report efforts underway, it may be prudent to delay any further retail discussions on DSM-EE until the report is issued. The report is going through a round of final edits now. There was further discussion that the NAPEE report may be sufficient to address any needs such that standards development in the retail market may not be needed.

Separate from the NAESB commenting effort, Steve Isser has generously prepared a draft review of the M&V literature as promised in the last meeting. Lastly, the FERC issued its 2007 Assessment of Demand Response and Advanced Metering. Both sets of documents are listed in the links below.

Links:

Meeting Specifics: 9-25-07 Meeting Announcement: http://www.naesb.org/pdf3/dsmee092507announcement.doc
Request for Comments: http://www.naesb.org/pdf3/dsmee092507w2.doc
Current Task List: http://www.naesb.org/pdf2/dsmee092507w1.doc
July 26 Draft Minutes: http://www.naesb.org/pdf2/dsmee072607dm.doc

Comments: B Borlick: http://www.naesb.org/pdf3/dsmee091407borlick.pdf
Duke Energy: http://www.naesb.org/pdf3/dsmee091407duke_energy.doc
ElectriCities: http://www.naesb.org/pdf3/dsmee091407electricities.doc
EVO: http://www.naesb.org/pdf3/dsmee091407evo.doc
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NARUC: http://www.naesb.org/pdf3/dsmee091407naruc.pdf
New England State Program Working Group: http://www.naesb.org/pdf3/dsmee091407ne_spwg.doc

M&V Review: Literature Review: http://www.naesb.org/pdf3/dsmee092507w3.doc
Appendix 1 (Ancillary Services): http://www.naesb.org/pdf3/dsmee092507w4.zip
Appendix 2: (Demand Response Programs) http://www.naesb.org/pdf3/dsmee092507w5.zip

FERC Report FERC Assessment of Demand Response and Advanced Metering 2007: http://www.ferc.gov/legal/staff-reports/09-07-demand-response.pdf

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DRAFT MINUTES FROM 9-25-07 MEETING

via posting

TO: NAESB DSM-EE Distribution List

RE: Draft Minutes of the September 25, 2007 Demand Side Management/Energy Efficiency Subcommittee Meeting

DATE: October 12, 2007

Demand Side Management/Energy Efficiency Subcommittee
North American Energy Standards Board, Electric Reliability Council of Texas (Ercot) – Austin, TX
September 25, 2007 10:00 AM – 4:00 PM Central

Draft Minutes

1. Opening Remarks

Mr. Wattles introduced himself and ERCOT and welcomed everyone to Austin, ERCOT and the meeting.

2. Administrative

Mr. Wattles along with Mr. True and Mr. Koogler led the meeting on behalf of the NAESB. Mr. Overtree gave the anti-trust advice. Mr. Koogler moved that the agenda be approved as drafted. The agenda was approved by consensus. After discussion and a few amendments offered, the minutes of the July 26, 2007 meeting were approved.

3. Discussion of deliverables – Wholesale Electric Markets:

Mr. Wattles reminded the subcommittee that objectives for wholesale market are business practice standards for the measurement and verification of demand side resources. He added that WEQ is primarily interested in "Demand Response," which he defined as "Services open to loads' participation." Messrs. Wattles and Winkler then described the eight-hour drafting session held yesterday at ERCOT, wherein members of the ISO-RTO Council (IRC) created the beginnings of a "matrix" of the existing DR (Demand Response) programs—and the corresponding measurement and verification techniques—currently administered by ISOs and RTOs.

Mr. Pickles facilitated the discussion. He began by describing the division of the scope of work among wholesale markets in ISO and RTO footprints, wholesale markets that do not operate in ISO and RTO footprints and retail markets. Next Mr. Pickles introduced the wholesale market topics onboard for today's meeting and invited additions and alterations to the agenda.

- **Steve Isser**
  Matrix and census of M&V protocols of existing DR programs and ancillary service markets at ISOs/RTOs and non-organized markets

Mr. Isser introduced the subcommittee to his draft Demand Response Measurement and Verification Literature Review, found at http://www.naesb.org/pdf3/dsmee092507w3.doc and requested all readers to send him corrections, questions and suggestions. He repeated the overall finding that there is much more complexity in existing DR programs than he anticipated. He added that many DR programs are recent, and many are buried deep in tariff filings, particularly for the entities operating in non-RTO or non-ISO regions. He asked readers from those markets especially to check and supplement his findings.

He explained that M&V (measurement and verification) is a crucial feature of some DR programs, as the proponents must demonstrate to NERC the reliability of DR for supply planning, just as for other resources. He then proceeded to discuss the varying degrees of M&V for the eight classifications of DR listed on the first page of his draft.

For example, regulation and spinning reserve services traditionally have no M&V issues—loads either respond in real time or they do not, and every response is metered. There may be more M&V issues if the new ISO-NE invitation to

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aggregated loads to provide reserve finds any takers. For the opposite reason, non-spinning and reliability reserve services are not much in need of M&V. As they need react only after 30-120 minutes, they have little impact on system stability, thus have been measured and verified at leisure and with less rigor.

For reliability reserve, emergency interruptible, real-time and day-ahead responses (to prices), M&V of the baseline usage becomes crucial, as usually there exist no meters measuring time-of-usage of these providers. Some ISOs now require 2% meters, though not IDR. Technology is advancing, and cost of metering is falling, so Mr. Isser predicted that eventually even non-stability DR will be metered as stability-DR is today.

Mr. Pickles asked the ISO/RTO representatives in attendance whether there are any general types of DR not covered by Mr. Isser's categories. Mr. Wattles replied that the IRC identified eleven types and that not all types fit together. Some level of scrutiny will be given to the categories to ensure that the matrix being developed by the IRC and the preamble being developed by Mr. Isser are consistent.

Mr. Wattles asked Mr. Isser to comment on the degree of commonality he found among the DR programs. Mr. Isser replied that he found little commonality or uniformity, probably due to the diversity from each individual stakeholder process held by each ISO to formulate the DR programs. In particular, all M&V in existence seems to have been developed on an ad hoc, case-by-case basis. Protocols resulted from individual negotiations without guidance of precedents. Some ISOs may be more lenient on verification, while the other ISOs are arguably too restrictive, which could result in higher costs and discouraging the entry of demand-side suppliers to the market.

- **Wholesale Electric Market Comments from September 14**

Mr. Wattles explained the work product by the IRC at its meeting yesterday. He asked that it not be posted at this time, as it is in a rough draft form and has not gone though a management review. Mr. True asked whether the IRC will continue to work on this matrix between subcommittee meetings, and Mr. Wattles replied that it would, and would benefit by having the deadlines associated with subcommittee meetings.

He agreed that by the November 30 meeting, the IRC would have a position on whether it could complete its matrix by March 31, 2008. He added that although there are no further discussions yet scheduled, each IRC member has delegated to a single point of contact the responsibility to move work forward on the draft matrix. Ms. McQuade noted that as issues came up on this item, she would contact Mr. Winkler. As of now, the target date for completion of the matrix is March 31, 2007. Once the matrix is complete, business practice standards can be developed from it.

In further discussion, Mr. Wattles noted that each ISO and RTO has DR programs that differed in origin and management, and were unlikely to agree on the same M&V methods. The IRC did seem to agree on objectives for five M&V topics that are not yet in place, and some of that discussion tending toward uniformity in some areas did take place yesterday.

Mr. Isser offered to help collect input on the matrix from the IRC's market participants. Mr. Koogler suggested adding distributed generation to the matrix. Mr. Raher requested the drafting of a Retail matrix similar to IRC's draft. Ms. Titus replied that Northeast Energy Efficiency Projects is recommending the deferral of retail standards for energy efficiency at this time.

Ms. Michals, also of Northeast Energy Efficiency Projects, suggested further dialogue between the subcommittee and NARUC at NARUC's November meeting, and that the subcommittee look at National Action Plan for Energy Efficiency (NAPEE) M&V manual, under development. She also recommended that NE-ISO's standards be used for energy efficiency. Ms. Michals agreed that she was not opposed to the subcommittee focus on wholesale issues while postponing any work on the retail work at this time.

Mr. Isser pointed out that achieving consistency across wholesale and retail markets is important if we hope to maximize participation. Better communication between ISOs and the states is crucial to that consistency. Ms. Michals agreed that a "common currency" on evaluation of DSM (Demand side Management) and EE (Energy Efficiency) would be beneficial. She pointed out that NE-ISO is the only wholesale marketplace in which EE participates.

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Mr. Pickles reminded everyone that NAESB's objectives have never included drafting standards with nationwide applicability; he reminded the subcommittee that the foundational request came from a retail market interest with state PUC support.

Ms. McQuade added that NAESB is a resource for development of voluntary standards that the states (in the case of retail market application) or the FERC (in the case of wholesale market application) may find helpful and choose to support. For states or regions that do not support or find NAESB work products helpful, then there is no need for them to consider such work products as they set regulatory policy. Mr. Isser agreed that by promoting consistency, he did not mean that NAESB take positions on which measures are superior to others, nor on which policies should be applied to demand side management, but only some minimum consistent measurement guidance, for those who may find it helpful.

Mr. Winkler pointed out that distinctions between wholesale and retail market application are quite blurry in practice, as all the necessary participants in wholesale programs are the same participants in retail programs. Mr. Isser added that everyone who sells at retail also buys at wholesale, so the distinction becomes less defined. With another perspective, as distinctions between retail and wholesale applications are minimized, they are not minimized from a statutory distinction. The statutory distinction between wholesale and retail market application will persist indefinitely, as the retail markets regulated by the states are clearly exempt from federal regulation.

Mr. Isser further delineated the objective by noting that private contracting parties do not need M&V standards, as they can negotiate and agree upon them; NAESB's work is for the regulatory process where measurement is required and not negotiable. Mr. Koogler noted that the states in which Dominion operates for years have had de facto standards for retail demand response, via tariff provisions. Ideally, those tariffs should be consistent with ISO requirements for wholesale DR. It was noted that NERC could identify and set standards to support the reliability of the power grid. Consistent M&V requirements to support reliability may be set by NERC.

Next Mr. Isser discussed the wholesale markets that do not operate within an ISO-RTO footprint. A matrix for those markets will also be needed, for consistency and gaps analysis. Mr. Wattles noted that while ISOs and RTOs serve 67% of U.S. electricity demand, market participants need consistency for the entire 100%, which means wholesale markets that do not operate within an ISO-RTO footprint should also be reviewed for inclusion.

In response to questions, Mr. Wattles noted that retail EE programs could fit into the IRC's matrix, with exclusions for municipalities and rural cooperatives. Mr. Miyaji pointed out that curtailment service providers want the same M&V standards for application to the retail markets and the wholesale markets.

[The subcommittee recessed for lunch]

- **Review and Adoption of the July 26, 2005 Minutes.**

Mr. Koogler requested that his name and Mr. True's name be exchanges for each other on the first page. There being no other suggested amendments, Mr. Winkler moved that the July 26 Minutes be approved as amended. The motion was approved unanimously.

4. Next Steps for Wholesale Electric Market Standards Development

Mr. Koogler summarized the prevailing view of the subcommittee, that both wholesale and retail standards development should be pursued, as they are synergistic and need to be consistent. He suggested that the subcommittee begin with the format of the matrix formed by the IRC and apply the format to matrices for the wholesale markets that do not operate within an ISO-RTO footprint and the retail markets.

Next Mr. Koogler asked for comments from the Virginia PUC representatives in attendance. Mr. Eichenlaub replied by thanking the IRC members for their work, and agreeing that he sees little distinction between M&V standard applications to the wholesale markets and retail markets —and agreed that the synergy between wholesale and retail is valuable and

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should not be discounted even though the intended users may be from different markets -- wholesale or retail. This position does not discount the difference between state and federal policy for demand side management programs, but does recognize that there may be similarities in operations that could benefit both markets. For relevance, he noted that the Virginia PUC is reviewing retail loads and their applicability to demand control. Mr. Eichenlaub went on to say that DSM has been practice for more than 30 years. Measurement technology has advanced and become more affordable; and as such, the existing programs should be reviewed for change to take advantage of the technology improvements.

Specific to Virginia, he added that the Corporation Commission is to deliver a plan to the Governor a plan by yearend 2007 with both short and long-term objectives. NAESB's goal, to consider and develop M&V standards, will be helpful and they look forward to working with NAESB.

Mr. Wattles thanked Mr. Eichenlaub for his comments, and invited all State PUCs who wish to participate, to do so. He noted the attendance today of representatives of the Texas PUC also.

- **Changes to Task List as a result of discussions**

Ms. McQuade noted that the task list undergo significant revisions to reflect the focus of t he group on development of the three matrices, the preamble and the glossary in light of today's discussion. As notes for the key changes:

- Mr. Isser's survey of the ISO/RTO markets is earmarked to become part of NAESB's eventual publication – as a preamble to the standards. Accordingly, any comments on this work product should be forwarded to Mr. Isser, and he should amend to add the IRC's information presented here today and equivalent information from the wholesale markets that do not operate within an ISO-RTO footprint. (Mr. Koogler suggested using EEI's existing research for the latter, and Mr. Sailers suggested that the Midwest Demand Response Initiative might have surveyed existing "non-organized" programs, which may also be applicable).
- The draft IRC matrix will be available to the subcommittee for its work, once it is vetted through the IRC management. This matrix will serve as a foundation for any DR standards development.
- The wholesale markets that do not operate within an ISO-RTO footprint will develop a similar matrix to the IRC. This matrix will serve as a foundation for any DR standards development.
- The retail markets will develop a similar matrix to the IRC. This matrix will serve as a foundation for any DR model business practices development.
- There will be no surveys. The matrices will be sent out for industry comment as will the proposed standards and model business practices language resulting from the matrices. The comments will provide additional refinements and modifications to the proposed standards development.

As the task list was being discussed, it was asked whether there should be a limit on the amount of DR to be relied upon. Could ISOs or states become too dependent on supply from demand response programs? Mr. Hughes surmised that NERC would reach that question, as an issue of reliability. Mr. Pickles reminded the meeting that NAESB does not make policy decisions, such as whether there is too great a reliance on supply from demand response programs, and even so, it would be the province of NERC rather than NAESB to respond to the impact on reliability.

5. Discussion of deliverables – Retail Electric Markets and next steps for Retail Standards development:

There followed a discussion of the draft NAPEE document to be published later this year, but not available publicly in draft form as of the time of this meeting. Mr. Overtree noted that NAPEE's draft specifically excludes pre-measure evaluations. Mr. Crouch noted that NAPEE offers little guidance on demand response as discussed here today. Mr. Pickles noted that he is still analyzing NAPEE's discussion draft. Ms. Nevius added that NAPEE plans to issue another draft installment of its position in October or November.

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Ms. McQuade pointed out that it is our expectation that this subcommittee's work will support NAPEE's efforts, not conflict with them. Mr. Pickles suggested that the concern about overlap seems to center around energy efficiency, rather than demand response – which is the focus of several of the tasks highlighted today. It was further noted that all ISOs purchase demand response products, but only ISO-NE so far purchases energy efficiency products. He pointed out that EE could be measured at the wholesale level. Mr. Pickles summarized by stating that the subcommittee's challenge from a retail perspective is to meet the need of state commissions who are working with NAESB to provide work products that could be helpful to their efforts, and to meet the needs of market participants – both active and potential -- for model business practices that would support state policy and encourage a more robust retail market.

6. Glossary Status

There was a request for a NAESB definition of demand side management. It was noted that DSM includes reliability-related demand response, priced demand response and energy efficiency, but not distributed generation. Mr. Pickles thought there should be no restrictions on the definition of DSM -- DSM included both DR and EE and has been used as an umbrella term encompassing DR and EE programs. It was noted that EPRI's 1983 definition for DSM, which listed the various products could be helpful. Mr. Isser added that EPRI considered only the regulated resource planning process, which is not broad enough for the effort undertaken applicable to NAESB. He noted that DR programs are measured at the operations level, which DSM is measured at the planning level.

Mr. Precht confirmed that the author of the current, second draft glossary is no longer available to continue, and graciously agreed to lead the DSM-EE Glossary work. Ms. McQuade noted that there is a FERC publication available that might prove helpful, (http://www.ferc.gov/industries/electric/indus-act/demand-response/glossary.pdf), as well as several others that should be reviewed. It was added that the glossary should contain a reference to the source of the definition.

Mr. Isser asked whether IRC's form of matrix could be used for the "non-organized" and Retail matrices, even though the content is not yet ready for publication, and Messrs. Wattles and Winkler agreed. Mr. Eichenlaub suggested adding a column labeled "Source" or some such title, to show where the program requirements were found in the research.

Ms. Alexander asked of the status of the topics list provided in work papers and the comments provided for those topics. Ms. McQuade explained that a judgment had been made by the subcommittee instead to focus on demand response first as a response to a request from NARUC.

Mr. Pickles then led the group in drafting on the overhead projection screen a list of the DR research needed including direct load control, load control by end user energy storage, programmable thermostats, peak alerts, interruptible rates, end user education on time-of-day use, peak-time rebates, different prices for peak and off-peak usage and frequency switches in appliances.

7. Next Steps and Meetings

Groups will be formed from interested volunteers to continue drafting for the three matrices, the preamble and the glossary.

The next meeting is scheduled for November 30, to be hosted by Dominion, at its facilities (120 Tredegar Street, Richmond VA 23219) from 10 A.M. to 4 P.M. Eastern. Ms. McQuade and subcommittee chairs will draft and post an agenda. The agenda will include status reports and discussion on the preamble, the three matrices – (1) Wholesale Market Matrix for entities operating in an ISO-RTO footprint, (2) Wholesale Market Matrix for entities that do not operate within an ISO-RTO footprint, and (3) a Retail Market Matrix, the glossary and a discussion and update on recent related industry meetings. Ms. McQuade added that she would work with the chairs and announce to the subcommittee additional meeting times and venues.

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8. Adjourn

Mr. True moved to adjourn. The meeting was adjourned at 3:45 p.m. Central.

9. Attendance

Name	Organization	Attendance
Roy True	ACES Power Marketing	In Person
Judy Ray	Alabama Power Company	Phone
Terry Grabiak	Allegheny Energy	Phone
Mariam Arnaout	American Gas Association	In Person
Phil Precht	BGE	Phone
Wendell Miyaji	Comverge	In Person
Chris Perry	Constellation NewEnergy	In Person
Wei Zhao	Constellation NewEnergy	In Person
Nicholas Planson	Consumers Power line	In Person
Paul Pietsch	Demand Response Coordinating Committee	Phone
David Koogler	Dominion	In Person
J. Clayton Crouch	Dominion Virginia Power	In Person
Bruce Sailers	Duke Energy	Phone
Abraham Raher	Efficiency Valuation Organization	Phone
John Hughes	Electricity Consumers Resource Council	Phone
Bob Boyle	Energy Curtailment Specialists	Phone
Marjorie Perlman	Energy East	Phone
Mark Bruckner	Entergy	Phone
Susan Munson	ERCOT	In Person
Paul Wattles	ERCOT	In Person
Ryan Irwin	FERC	In Person
Paul Smolen	Fox Smolen and Associates	Phone
Steve Isser	Good Company Associates	In Person
David Pickles	ICF International	In Person
Lou Ann Westerfield	Idaho Public Utilities Commission	Phone
Eric Winkler	ISO-New England	In Person
Barbara Alexander	Maine Public Advocate	Phone

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DRAFT MINUTES FROM 9-25-07 MEETING

Name	Organization	Attendance
Gray Staples	Mendota Group	Phone
David Huffman	NAESB	Phone
Rae McQuade	NAESB	In Person
Ed Overtree	NAESB	In Person
Denise Rager	NAESB	In Person
Mary Ann Ralls	National Rural Electrical Cooperative Association	Phone
Julie Michals	Northeast Energy Efficiency Partnerships	Phone
Elizabeth Titus	Northeast Energy Efficiency Partnerships	Phone
Cherie Gregoire	NYSERDA	Phone
Debbie McKeever	Oncor	In Person
Craig Boice	Peak Load Management Association	Phone
Shawnee Claiborn-Pinto	PUC of Texas	In Person
Bob Schwermann	SMUD	In Person
Carol Biedrzycki	Texas Ratepayers Organized to Save Energy	In Person
David Chamberlain	TVA	Phone
Darrick Wright	TVA	Phone
Dave Eichenlaub	Virginia SCC	In Person
Diane Jenkins	Virginia SCC	In Person

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NAESB UPDATE: REGISTRY STATUS
OCTOBER 15, 2007

- **August 1, 2007:** The NERC Board of Trustees Technology Committee met and determined that Transmission Services Information Network (TSIN) which includes the Registry , Change Management, Help Desk and Validation and Verification of data functions, was not a tool specific to NERC's charge of standards development to support the reliable operation of the of the power grid., and was more appropriately a tool to support the commercial business practice aspects of the electric market.

  They made this decision through applying he following guidelines: (1) Support of a tool must not introduce a conflict of interest. NERC's primary mission is setting standards and enforcing compliance. NERC's independence must be preserved. (2) The tool must demonstrably improve reliability. (3) The need for a reliability tool must be directly related to NERC's role as the ERO. (4) NERC may incubate, but will not permanently operate, tools that are in the "public-interest." (Look outside for solutions first. Others are better suited to develop, own and operate them over time.).

  The committee gave the following directive to NERC staff: "Transmission System Information Network (TSIN) — prepare and execute an exit strategy because this tool supports market operations."
- **September 20, 2007:** NAESB Office met with NERC staff to discuss Registry status. The Registry was created in 1986 and is internally managed by NERC.
- **September 27, 2007:** The NAESB Managing Committee agreed that if NERC has determined that the tool is not a requirement for reliability and it is needed for the operation of OASIS systems, then they agree that the tool should transferred to NAESB.
- **September 27, 2007:** NAESB office informed NERC staff that NAESB was in agreement that the tool should transfer.
- NAESB office should begin talks with NERC to effect the transition shortly, which NERC expects will take until next fall for full implementation. NAESB will follow an RFP process to identify the appropriate serve company to mange the tool.
- JISWG has identified several enhancements needed to support e-Tag Version 1.8, which should be accommodated through the transition.

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NAESB UPDATE: VERSION 1.0 - WEQ
OCTOBER 15, 2007

THE FINAL ACTIONS TO BE APPLIED TO WEQ VERSION 0 TO CREATE WEQ VERSION 1:

Version 0 was published on January 15, 2005.

2007:

- R05018 Final Action - Revise the e-Tag Specification to allow PSEs associated with a transmission segment in the tag optional approval rights - Ratified September 17, 2007
- Final Action R06026/WEQ 2007 Annual Plan Item 1(b) - Revise WEQ-004 Coordinate Interchange Business Practice Standard requirement 2.2 and the table contained in Appendix A, part B, to exempt the WECC - Ratified September 17, 2007Final Action R06026/WEQ 2007 Annual Plan Item 1(b) Attachment
- R07002 Final Action - Division of OASIS Standards and Communication Protocols (S&CP, WEQ 002, WEQ 003) - Ratified September 17, 2007R07002 Final Action Attachment 1 - Revisions to S&CPs R07002 Final Action Attachment 2 - Revisions to Data Dictionary R07002 Final Action Attachment 3 - implementation Guide
- 2007 WEQ Annual Plan Item 2 Final Action - Recommendation for Revision to Final Action R04006D to align the Resales Standards with Order 890 - Ratified July 23, 2007
- 2007 WEQ Annual Plan Item 3(a)(2) Final Action - Recommendation for 2007 WEQ Annual Plan Item 3(a)(2) - Implementation of S&CP changes to support Standards of Conduct business practices - Ratified April 7, 2007 2007 WEQ Annual Plan Item 3 (a)(2) Final Action Attachment
- R04006C1 Final Action - Recommendation R04006C1 - OASIS 1A Enhancements – Redirects (Release Mechanism)- Ratified April 7, 2007.
- R05001 Final Action - Recommendation - Amend WEQ R03013 to Align Coordinate Interchange Transactions with Version 0 (Ratified June 22, 2006) - Minor Correction Applied March 20, 2007. R05001 Final Action Attachment - Permanent Numbering Applied November 16, 2006 - Minor Correction Applied March 20, 2007
- R03007 and WEQ 2006 Annual Plan Item (3)(iii) Final Action - WEQ Public Key Infrastructure (PKI) Standards - Ratified February 10, 2007.

2006:

- **Recommendation R04035/R05002:** Clarify OASIS 1A nomenclature and amend WEQ standard 4.19/Amend sections 9.5 and 10.5 of OASIS 1A redirect standards. (*Ratified on 1/9/06)*.
- **Recommendation R04013A:** WEQ Annual Plan Item 1 - Develop Version 0 business practice standards that complement NERC's Version 0 reliability standards – TLR. (*Ratified on 4/10/06*).
- **Recommendation R05001:** Amend WEQ R03013 to align coordinate interchange transactions with Version 0. (*Ratified on 6/22/06*).
- **Recommendation R05007:** Removal of ERCOT references to WEQ Version 0 Standards. (*Ratified on 6/22/06*).
- **Recommendation R06002 (Revised):** Modify the NAESB pre-split Version 0 TLR BP to remain consistent with NERC IRO-006-1 pre-split TLR reliability standards (SPP regional difference for the inclusion of market flows); (*Ratified on 9/1/06*).
- **Recommendation for WEQ 2006 Annual Plan Item (3)(c)(i) as revised by the WEQ Executive Committee:** Development of business practice for Standards of Conduct link on OASIS page; (*Ratified on 10/2/06)*.

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NAESB UPDATE: VERSION 1.0 - WEQ
OCTOBER 15, 2007

- **Recommendation R04036 as revised by the WEQ Executive Committee:** Amend definitions, terms and numbering of WEQ Order 2004 (affiliate) standards; (*Ratified on 10/2/06)*.
- **Recommendation R04006D as revised by the WEQ Executive Committee:** OASIS 1A Enhancements - Sale or Assignment of Transmission Service; (*Ratified on 10/2/06*).

2005:

- **Recommendation** R04035/R05002 Final Action - Revisions to OASIS for Redirects - Ratified January 5, 2006. R04035/R05002 Final Action Attachment 1 - Appendix B R04035/R05002 Final Action Attachment 2
- **Recommendation R04021:** Definitions and standards for daily operational communications between pipelines and power plants. (*Ratified 7/8/05*).
- **Recommendation R05009:** Modify the NAESB Version 0 TLR business practices to remain consistent with the NERC Version 0 TLR reliability standards. (*Ratified 10/10/05*).
- **2003 WEQ Annual Plan Item 6-IIP:** (IIPTF Final Report) Develop business practices standards for Inadvertent Interchange Payback. *(Adopted by the WEQ EC on 11/29/05 – no ratification required.)*
- **Recommendation R04013A:** Version 0 Business Practices Standards – Development of post-split "Version 0" Transmission Loading Relief Business Practice Standard. *(Adoption pending notational ballot. Ratification held in abeyance until TLR implementation issues between NERC and NAESB, including ongoing development of both the commercial and reliability aspects of TLR have been clearly defined. This determination to be made by the NAESB WEQ Members of the Board of Directors.) – See 2006*
- **Recommendation R04006D:** OASIS 1A Enhancements – Sale or Assignment of Transmission Service. *(WEQ EC voted back to Electronic Scheduling Subcommittee and Information Technology Subcommittee on 11/29/05 issues surrounding Redirect Standard 9.8.1.)*
- **Recommendation R04035:** Version 0 Transmission Loading Relief. *(WEQ EC voted on December 19 to approve the standards and hold ratification until the WEQ Board members are assured that appropriate levels of coordination for TLR standards development exist between NERC and NAESB). – See 2006*

TIMELINE:

- Version 1.0 will be published October 31, 2007.
- To back into this date – all standards should be ratified by date of publication, and EC actions should be taken one month prior, to publication, all subcommittee actions should be taken two months prior to publication.

July-August:	Subcommittee Recommendations Completed
August-September	EC Actions
September-October	Ratifications Complete
October	Publication and Minor Corrections Applied after EC Adoption and Comment Period
November	FERC Filing

- The NAESB office is currently in the process of applying final actions to version 0.

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials
November 6, 2007

TAB 7

WEQ Subcommittee Updates

- The synopsis of subcommittee activities is included. The materials are provided for discussion purposes and no action is required of the WEQ EC members. Included are:
  - Triage disposition and notes
  - Subcommittee meeting updates
- The materials in Tab 7 correspond to agenda item 8.

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September 24, 2007

Via email and posting

TO:	**NAESB Executive Committee (EC) Members**
FROM:	NAESB Office
cc:	EC Alternates, Mitchell Whitehead, Jim Hansen, Mike Stender, Christopher Burden, Mary Draemer
RE:	NAESB Disposition for R07012-R07018 – Concerns Raised and Triage call Scheduled

Dear Triage Committee and EC members,

We have seven requests to triage – R07012 to R07018 all provided below as hyperlinks. The NAESB office recommends the following actions and concerns were raised as noted. With the exception of R07015, all agreed with the quadrant assignment. There were other concerns raised with subcommittee assignments for R07013, R07016 and R06018. The votes need were simple majority for assignment and all passed on that threshold. Because issues were raised, a conference call will be scheduled to discuss assignments for issues related to R07013, R07015, R07016 and R07018. The disposition for R07012, R07014 and R07017 are as noted as are the other assignments, since they met a simple majority vote.

The call is scheduled for (October 2, 2007 at 2:30pm Central time, Conference number: 866-740-1260, Access code: 3560063, please call NAESB office for security code). We hope you can attend.

For R07012 – submitted by Mitchell Whitehead of Texas Gas Transmission:

> This request is (1) found within scope; (2) to be assigned to the Wholesale Gas Quadrant (WGQ); and (3) because it is a request to add meter type code values to the Measured Volume Audit Statement (WGQ Standard 2.4.6) to better describe the equipment being used (venture, ultrasonic, rotary and turbine), it should be assigned to the WGQ Information Requirements Subcommittee (IR). There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WGQ IR.
>
> Concerns: None noted with the assignment.

For R07013 – submitted by Jim Hansen on behalf of the WEQ Joint Interchange Scheduling Working Group (JISWG)

> This request is (1) found within scope; (2) to be assigned to the Wholesale Electric Quadrant (WEQ); and (3) because it is a request to create a confidentiality agreement for participants in the electric industry covering the treatment of data belonging to other electric industry participants such as e-Tag data, it is assigned to the WEQ JISWG group in collaboration with the WEQ Electronic Scheduling Subcommittee and Information Technology Subcommittee (ESS-ITS). There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WEQ JISWG group.
>
> Concerns:
>
> Entergy, PJM, ISO-NE, MISO and SPP: It is not clear how deep the confidentiality agreement will reach – could be more than e-Tag data. NERC currently has a confidentiality agreement that would apply to e-Tag data. If this is pursued, it should be assigned to BPS rather than JISWG.

For R07014 – submitted by Michael Stender of El Paso Corporation:

> This request is (1) found within scope; (2) to be assigned to the WGQ, and (3) because it is a request to move the edit information -- data errors and warnings from the Confirmation Response (WGQ Standard 1.4.4) to the Quick Response (WGQ Standard 1.4.7); it is assigned to the WGQ IR. There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WGQ IR. Concerns:
>
> Concerns: None noted with the assignment.

For R07015 – submitted by Christopher Burden of Williams Gas Northwest Pipeline: Concerns:

> This request is (1) found within scope; (2) to be assigned to the Wholesale Gas Quadrant (WGQ); and (3) because it is a request that NAESB add a new internet browser plug-in, Adobe Flash Player, to the NAESB Wholesale Gas Quadrant (WGQ) Quadrant Electronic Delivery Mechanism (QEDM - 4.y.z series of standards) manual, it is assigned to the

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WGQ Electronic Delivery Mechanism Subcommittee (EDM). There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WGQ EDM.

Concerns:

PJM, SPP, MISO and ISO-NE: consideration should be given on whether this should be applied to quadrants other than WGQ.

For R07016 – submitted by Mary Draemer of Transwestern Pipeline Company:

This request is (1) found within scope; (2) to be assigned to the Wholesale Gas Quadrant (WGQ); and (3) because it is a request to add code values to reduction reason data element Confirmation Response (WGQ Standard 1.4.4), Scheduled Quantity (WGQ Standard 1.4.5), and Scheduled Quantity for Operator (WGQ Standard 1.4.6) to identify pipeline emergency maintenance and pipeline facility installation, it is assigned to the WGQ Information Requirements Subcommittee (WGQ IR). There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WGQ IR.

Concerns:

SPP, MISO and ISO-NE: Why is this request not addressed via minor correction, as it is a request for a set of code value changes, which can be addressed via minor corrections?

For R07017 – submitted by Kathryn Burch of Spectra Energy Transmission:

This request is (1) found within scope; (2) to be assigned to the WGQ; and (3) because it is a request to add two warning messages to Nominations (WGQ Standard 1.4.1) and Nomination Quick Response (WGQ Standard 1.4.2) to describe a situation where the nomination is out of path and may lose discount, or the nomination exceeds MDTQ and may be assessed system fuel, it is assigned to the WGQ IR. There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WGQ IR.

Concerns: None noted with the assignment.

For R07018 – submitted by Kathryn Burch of Spectra Energy Transmission:

This request is (1) found within scope; (2) to be assigned to the WGQ; and (3) because it is a request to add code values to the maximum tariff rate reference data element (contained in Transactional Reporting Capacity Release (WGQ Standard 5.4.20), Transactional Reporting Firm Transportation (WGQ Standard 5.4.21), Transactional Reporting Interruptible Transportation (WGQ Standard 5.4.22)) and rate identification code description (contained in Transactional Reporting Interruptible Transportation (WGQ Standard 5.4.22)) to better support transactional reporting, it is assigned to the WGQ IR. There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WGQ IR.

Concerns:

SPP, MISO and ISO-NE: Why is this request not addressed via minor correction, as it is a request for a set of code value changes, which can be addressed via minor corrections?

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TO: NAESB Triage Subcommittee; EC Members; and Posted for Interested Parties

FROM: Jonathan Booe, Meeting/Project Manager

DATE: October 19, 2007

RE: Triage Subcommittee Working Session Conference Call Notes – October 2, 2007

North American Energy Standards Board
TRIAGE SUBCOMMITTEE WORKING SESSION- CONFERENCE CALL
October 2, 2007; 2:30 p.m. to 3:30 p.m. Central

1. Welcome & Administrative Items

Ms. McQuade called the meeting to order and welcomed the participants. Mr. Booe gave the antitrust advice. Ms. McQuade explained that the meeting had been called to discuss issues raised in the disposition of requests R07013, R07015, R07016, and R07018 – although the requisite votes had been cast, and the dispositions via notational vote had been approved. Roll call would be established via phone logs and there are no quorum requirements as this was a working session to discuss comments received. . Ms. York reviewed the agenda. Ms. Crockett moved to adopt the modified agenda and Mr. Schwermann seconded the motion. The agenda was adopted by consensus.

2. Triage Member Discussion of Requests R07013, R07015, R07016, and, R07018

- R07013 - Submitted by Jim Hansen on behalf of the WEQ Joint Interchange Scheduling Working Group (JISWG) to develop a confidentiality agreement for participants in the electric industry covering the treatment of data belonging to other electric industry participants such as e-Tag data.

  Disposition:

  This request is (1) found within scope; (2) to be assigned to the Wholesale Electric Quadrant (WEQ); and (3) because it is a request to create a confidentiality agreement for participants in the electric industry covering the treatment of data belonging to other electric industry participants such as e-Tag data, it is assigned to the WEQ JISWG group in collaboration with the WEQ Electronic Scheduling Subcommittee and Information Technology Subcommittee (ESS-ITS). There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WEQ JISWG group.

  Working Session Discussion:

  Ms. York reviewed the request and asked if anyone would like to review the comment submitted by Entergy. Mr. Davis responded that request was very broad and would require the attention of a large and diverse group of participants. He stated that attorneys rather than engineers should be addressing the request, and suggested holding a single topic meeting. His suggestion was to give it to the Business Practice Subcommittee. Ms. York stated that she understood that it could create a time a resource issue, and that Mr. Davis would like to have an individual involved in the development. Mr. Davis stated that he would want a representative as a participant. Ms. McQuade stated that Mr. Davis' idea of a highly publicized single meeting on the topic would be an effective way to proceed.

  Mr. Schwermann asked if the group had addressed the question in the Midwest ISO comments as to whether this would be a duplicative effort considering the NERC Confidentiality Agreement covering e-Tag data. Ms. McQuade stated that the question would be addressed in the meeting. She also stated that her greater concern was the second of the Midwest ISO's comments regarding the scope of the task applying to more than e-Tag data. Mr. Davis echoed Ms. McQuade's concern. Ms. York stated that the only other comment on that particular request was from PJM. Mr. Bresler stated that he believed the group addressed all of PJM's concerns regarding broadness and duplicity.

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It was noted that triage and EC decisions would as a matter of course be reported at the EC meetings in November. at that time, if the EC would like to change the disposition of the request, it is certainly within its rights to do so. Until then, the disposition approved by Triage would remain.

- R07015 - Submitted by Christopher Burden of Williams Gas Northwest Pipeline to add a new internet browser plug-in, Adobe Flash Player, to the NAESB Wholesale Gas Quadrant (WGQ) Quadrant Electronic Delivery Mechanism (QEDM - 4.y.z series of standards) manual.

  Disposition:

  This request is (1) found within scope; (2) to be assigned to the Wholesale Gas Quadrant (WGQ); and (3) because it is a request that NAESB add a new internet browser plug-in, Adobe Flash Player, to the NAESB Wholesale Gas Quadrant (WGQ) Quadrant Electronic Delivery Mechanism (QEDM - 4.y.z series of standards) manual, it is assigned to the WGQ Electronic Delivery Mechanism Subcommittee (EDM). There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WGQ EDM.

  Working Session Discussion:

  Ms. York reviewed the request. Mr. Burden stated that the request was to add a single bullet and Acrobat Adobe player to the existing manual. Mr. Skiba stated that the comment was just to suggest that the other quadrants consider adding the same. Ms. McQuade stated that the WGQ already had a specific standard to modify and that if WEQ wished to create a similar standard, it should probably be considered in a separate request or through an addition to the WEQ Annual Plan. She noted that the WEQ could use the WGQ's implementation as an example. Mr. Gallagher stated that synergy between the two quadrants would be good as long as it does not result in delays. Mr. Davis echoed Mr. Gallagher's statement. This potential for adding a new request can be reviewed to determine if the WEQ would like to proceed in a similar manner and can be discussed at the upcoming EC meeting during the review of triage actions. Ms. Kennedy suggested if it were to be added, it would be assigned to the WEQ ESS/ITS.

- R07016 - Submitted by Kathryn Burch of Spectra Energy Transmission to add two warning messages to Nominations (WGQ Standard 1.4.1) and Nomination Quick Response (WGQ Standard 1.4.2) to describe a situation where the nomination is out of path and may lose discount, or the nomination exceeds MDTQ and may be assessed system fuel.

  Disposition:

  This request is (1) found within scope; (2) to be assigned to the Wholesale Gas Quadrant (WGQ); and (3) because it is a request to add code values to reduction reason data element Confirmation Response (WGQ Standard 1.4.4), Scheduled Quantity (WGQ Standard 1.4.5), and Scheduled Quantity for Operator (WGQ Standard 1.4.6) to identify pipeline emergency maintenance and pipeline facility installation, it is assigned to the WGQ Information Requirements Subcommittee (WGQ IR). There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WGQ IR.

  Working Session Discussion:

  Ms. York reviewed the request and the comments. She summarized that the comment was a query on the direction for development as it could be addressed more effectively as a minor correction. Mr. Skiba stated that from a resource perspective that addressing the request through a minor correction process would be more efficient. He directly quoted from the NAESB Operating Practices that permit such changes to be implemented as minor corrections. Ms. Davis responded that the WGQ uses the minor correction process is for addressing publication errors, and that the WGQ has standing meetings to address code values. She stated that the system in place is efficient for the WGQ and that changing the process would cause confusion. Ms. Van Pelt stated

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that she is comfortable with the current process as well, and that she would rather handle changing code values as regular requests as opposed to minor corrections.

Mr. Buccigross stated that he would like to handle this request the way triage determined, and doesn't see any reason to change the current procedure. Ms. McQuade noted that this does not prevent the WEQ from using the minor correction process to address code values when they are faced with addressing similar requests. Ms. York summarized by stating that the WGQ will continue to rely on the IR Subcommittee to make these type of changes, and that the WEQ is free to determine how they would like to address the same. Everyone agreed by consensus.

- R07018 - Submitted by Kathryn Burch of Spectra Energy Transmission to add code values to the maximum tariff rate reference data element (contained in Transactional Reporting Capacity Release (WGQ Standard 5.4.20), Transactional Reporting Firm Transportation (WGQ Standard 5.4.21), Transactional Reporting Interruptible Transportation (WGQ Standard 5.4.22)) and rate identification code description (contained in Transactional Reporting Interruptible Transportation (WGQ Standard 5.4.22)) to better support transactional reporting.

  Disposition:

  This request is (1) found within scope; (2) to be assigned to the WGQ; and (3) because it is a request to add code values to the maximum tariff rate reference data element (contained in Transactional Reporting Capacity Release (WGQ Standard 5.4.20), Transactional Reporting Firm Transportation (WGQ Standard 5.4.21), Transactional Reporting Interruptible Transportation (WGQ Standard 5.4.22)) and rate identification code description (contained in Transactional Reporting Interruptible Transportation (WGQ Standard 5.4.22)) to better support transactional reporting, it is assigned to the WGQ IR. There was nothing in the request indicating that it should be assigned a high priority, therefore, it should be addressed in the normal course of business of the WGQ IR.

  Working Session Discussion:

  Ms. McQuade noted that requests submitted by Ms. Burch were similar to the prior discussion on R07016 and that the comments submitted in response had been addressed through discussions on R07016. All the participants agreed and no other discussion was initiated.

3. Other Business

No other business was discussed.

4. Adjourn

Ms. Davis moved to adjourn and Ms. Crockett seconded the motion. The meeting was adjourned by consensus.

5. Attendance

Name	Organization
Jonathan Booe	NAESB
Stu Bresler	PJM
Jim Buccigross	8760, Inc.
Kathryn Burch	Spectra Energy Transmission
Chuck Cook	Chevron/Texaco
Valerie Crockett	TVA
Dale Davis	Williams Gas Pipeline
Ed Davis	Entergy
Mary Draemer	Transwestern Pipeline Co.
Bill Gallagher	Vermont Public Power Supply Authority

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Name	Organization
Laura Kennedy	NAESB
Rae McQuade	NAESB
Diane McVicker	Salt River Project
Carl Monroe	SWPP
Marjorie Perlman	Energy East Management
Phil Precht	Baltimore Gas and Electric
Bob Schwermann	Sacramento Municipal Utility District
Ed Skiba	MISO
Veronica Thomason	NAESB
Kim Van Pelt	Panhandle Eastern Pipeline
Kathy York	TVA
Randy Young	Gulf South Pipeline Company

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NAESB WHOLESALE ELECTRIC QUADRANT SUBCOMMITTEE REPORT
OCTOBER 15, 2007

WHOLESALE ELECTRIC EXECUTIVE COMMITTEE

- **February 6, 2007**: The WEQ Executive Committee met on February 6, 2007 at NAESB's offices in Houston, Texas. The Executive Committee voted on two Recommendations for standards: 2007 WEQ Annual Plan Item (3)(a)(2) (2007 WEQ Annual Plan Item (3)(a)(2) - Implementation of S&CP changes to support Standards of Conduct business practices.) and R04006C1 (Develop OASIS 1A capacity release request standards). While all of the Executive Committee members participating in the meeting voted in favor of the recommendations as revised by the Executive Committee, the recommendations were distributed for notational ballot because there were not sufficient votes to garner the required 40% of each segment. During this meeting, the WEQ Executive Committee also discussed the next publication date for the second edition of WEQ Standards. It was determined that the end of June 2007 would be the target date for publication. The WEQ Executive Committee also adopted a motion to request that the WEQ Procedures Drafting Collaborative consider removing the restriction that an individual cannot serve on the WEQ Executive Committee and WEQ Board of Directors concurrently. The simple majority vote was unanimous.
- **May 8, 2007**: The WEQ Executive Committee met on May 8 in Washington, DC hosted by American Gas Association to conduct its regular business. The WEQ Executive Committee considered and voted on several recommendations: NAESB WEQ Request for Comments on 2007 WEQ Annual Plan Item 2 – Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform): Revision to Final Action R04006D to align the Resales Standards with Order 890 – the WEQ Executive Committee adopted a revised version of the Recommendation; 2006 WEQ Annual Plan Item (3)(b)(1) - Develop companion business practices to NERC's cyber standard (CIP002-009), and specifically review section 1303-personnel & raining to determine if business practices are needed; and R04035 and R05002 (S&CP): Amend sections 9.5 and 10.5 of OASIS 1A redirect standards. The WEQ Executive Committee also reviewed the Scoping Document prepared by the SRS for Request No. R05026 (Thirteen proposed enhancements to incrementally improve OASIS).
- **July 20, 2007**: The WEQ Executive Committee met via conference call on July 20, 2007 from 9:00 AM to 12:00 PM Central. The agenda for this meeting included a vote on the following recommendations: Recommendation R05018 - Revise the e-Tag Specification to allow PSEs associated with a transmission segment in the tag optional approval rights; Recommendation R06025 - Modify Appendix D of WEQ 004 to add an explanation for the terms "required" and "correctable", to add a sentence clarifying that tag data elements are not correctable and are not required, and to make the element of energy Product Type required; Recommendation R06026/2007 AP Item 1(b) - Revise WEQ-004 Coordinate Interchange Business Practice Standard requirement 2.2 and the table contained in Appendix A, part B, to exempt the WECC; and Recommendation R07002 – (Request to divide the OASIS S&CP into two documents: 1) The S&CP and 2) an Implementation Guide); Recommendation R07005 – Request to allow BAs to Adjust Dynamic Schedule Transaction Type Tags within the ATF changes rules. The only recommendation for which there was a determinative outcome was for Recommendation R07005 (Request to allow BAs to Adjust Dynamic Schedule Transaction Type Tags within the ATF changes rules). The recommendation adopted by the WEQ Executive Committee was that no standards were needed to address this request. The remainder of the recommendations considered during this meeting were distributed for WEQ Executive Committee notational ballot to determine the outcome of the votes. The WEQ Executive Committee notational ballots are due on August 10, 2007.
- **August 14, 2007**: The WEQ Executive Committee met on August 14, 2007 form 10:00 AM to 4:00 PM Mountain in Colorado Springs, Colorado hosted by El Paso Western Pipelines. During this meeting, the WEQ

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Executive Committee considered a recommendation for R07007 – Update the timing table to reflect the categories used in the latest e-Tag specification with respect to arranged interchange (RFI). It was determined by the Executive Committee that this recommended would be remanded to the JISWG for further development. **August 14, 2007**: The Executive Committee also voted to reconsider the revisions to R04006D Resales Final Action based on discussions with FERC staff. During the reconsideration, it was determined that no action would be taken at this time until the Order 890 Rehearing process has been completed. The Executive Committee also voted to reconsider the Recommendation for R06025 (Modify Appendix D of WEQ 004 to add an explanation for the terms "required" and "correctable", to add a sentence clarifying that tag data elements are not correctable and are not required, and to make the element of energy Product Type) that failed to achieve a super majority vote during the July 20, 2007 conference call due to a segment block. During the reconsideration, the Executive Committee made revisions to the Recommendation and adopted the Recommendation as revised. The Executive Committee also considered a minor correction to the existing NAESB TLR business practice standards to correct references to the NERC TLR reliability standards that no longer exist. The Executive Committee determined that the proposed minor corrections were not sufficient as they did not correct the references by using a specific version of the TLR reliability standards. The Executive Committee remanded the minor correction to the WEQ BPS for modification. The agenda for the meeting also included: a review of the progress on the Scoping Document for R05026 and assignment of tasks; an update on specific issues, including: Order 890 Plan - including FERC Technical Conference on Order 890; the TLR Split to business practices progress report and joint development process with NERC; Order 698; Drafting Collaborative; E-Tag and Registry Status; and Publication of Version 1.0 of the WEQ standards. The agenda also included the regular business of the WEQ Executive Committees including updates from the subcommittees; modifications to the WEQ 2007 Annual Plan; development of the WEQ 2008 Annual Plan ;and updates on the Board of Directors actions and regulatory updates.

- **October 15, 2007**: The WEQ Executive Committeemet via conference call with web conferencing on Monday, October 15, 2007 from 1:00 PM to 5:00 PM Central. During this meeting, the WEQ Executive Committee considered the recommendation for 2006 WEQ Annual Plan Item 3(c) - Removal of Portions of WEQ 009 – Standards of Conduct for adoption. The WEQ Executive Committee considered the comments submitted on the recommendation submitted by Williams Power; Entergy and process as a minor correction. WEQ009-6 is reproduced in WEQ 001. General Counsel William Boswell supported acting on the change as a minor correction based on the minor correction approved procedures.
- **Planned, November 6, 2007**: The WEQ Executive Committee is scheduled to meet at NAESB's offices in Houston, Texas on November 6, 2007.

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NAESB WHOLESALE ELECTRIC QUADRANT SUBCOMMITTEE REPORT
OCTOBER 15, 2007

WEQ SUBCOMMITTEES AND TASK FORCES

Electronic Scheduling/Information Technology

- **January 4, 2007**: The ESS/ITS met via conference call on January 4, 2007. During this call, the ESS/ITS reviewed the informal comments submitted on Draft S&CP Modifications Standards of Conduct Modifications (WEQ 2006 Annual Plan Item 3(c)(i)(S&CP). After making revisions in response to the comments, the subcommittee voted to send the recommendation to the WEQ Executive Committee for adoption. The recommendation will be posted for formal comment with the title Recommendation 2007 Annual Plan Item 3(a)(2) – Implementation of S&CP changes to support Standards of Conduct business practices due to the adoption of the 2007 WEQ Annual Plan. The ESS/ITS also reviewed the draft Implementation Guide and companion revisions to the S&CPs drafted by Mr. Sorenson.
- **January 8, 2007:** The WEQ BPS and ESS/ITS met via conference call jointly to review comments submitted on the Contract Path definition (Item 1D of R05004A). The group also reviewed progress made on work papers drafted to outline the standards language for Item 3E of R05004A. The subcommittee reviewed the progress of the NERC ATC Drafting Team.
- **January 9-10, 2007**: The ESS/ITS met at NAESB's offices in Houston, Texas on January 9-10. During this meeting, the subcommittee continued its review of the draft Implementation Guide and companion revisions to the S&CPs, reviewed work papers submitted in response to Request No. R04006E (Network Service Transactions), reviewed any comments submitted on Recommendation 2007 Annual Plan Item 3(a)(2) in preparation of the WEQ Executive Committee meeting, and planned the work of the subcommittee for the first quarter 2007.
- **January 26, 2007**: The ESS/ITS met via conference call on January 26. During this meeting, the participants voted to send Recommendation R04035/R05002 (S&CP) for formal comment. This recommendation states that no additional changes to the S&CPs are needed to implement the modifications to the OASIS business practices adopted in Final Action R04035/R05002. The ESS/ITS also began considering what changes are needed to the S&CPs to implement the OASIS business practices adopted in Final Action R04006D. During this meeting, the ESS/ITS also continued reviewing the draft Implementation Guide and companion revisions to the S&CPs drafted by Mr. Sorenson.
- **January 30, 2007:** The ESS/ITS and BPS met jointly via conference call on January 30. During this call, the subcommittees reviewed the draft language for NERC MOD002, and MOD003. The group made comments on MOD003 for review by the NERC ATC Drafting Team. The joint subcommittees also continued to discuss Items 1A and 3E of Request No. R05004A.
- **February 9, 2007:** The ESS/ITS and BPS met jointly via conference call on February 9. During this meeting, the subcommittees conducted a final review of the draft language for NERC MOD001 scheduled to be posted for comment by NERC on February 15. The subcommittees continued to discuss potential language for Item 1A of Request No. R05004A, discussed draft language for Item 3E, and discussed Items 2 and 3(d) for Request No. R05004A (the CBM Items).
- **February 12-13, 2007**: The ESS/ITS met at NAESB's offices in Houston, Texas on February 12-13. During this meeting, the subcommittee reviewed the draft Implementation Guide that contains the business process components of the existing Standards & Communication Protocols (S&CPs); reviewed draft language for the

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S&CPs to implement the OASIS business practices ratified for Resales and Transfers; reviewed work papers for Network Service on OASIS, and had an update on the ATC work.

- **February 26, 2007:** The ESS/ITS met via conference call on February 26. The ESS/ITS continued the review of the draft Implementation Guide and proposed revision to the S&CPs with recommended changes included to complement the business practice standards ratified in Final Action R04006D – Sale or Assignment of Transmission Service (Resales and Transfers) and conducted a discussion of FERC Order 890 with special attention to the sections in the Order regarding Capacity Reassignment
- **March 1-2, 2007:** The ESS/ITS and BPS met jointly with the NERC ATC Drafting Team in Memphis, Tennessee. During this meeting, the joint groups discussed the implications of Order 890 on the work of the NERC ATC Drafting Team; discussed the fact that NERC would like to retire MOD003 in favor of NAESB adopting the business practices covered in MOD003; discussed the protocol for reviewing comments on draft standards per the Joint Development Procedure. The NERC ATC Drafting Team also made assignments on various aspects of ETC and TRM and discussed changes that need to be made to NERC FACs 12 and 13.
- **March 7, 2007:** The ESS/ITS and BPS met jointly via conference call on March 7. During this call, the subcommittees reviewed the Order 890 Matrix and developed a preliminary work plan for the groups to draft business practices to address the ATC items in the Order in addition to drafting complementary standards to the NERC ATC standards.
- **March 15-16, 2007**: The ESS/ITS is scheduled to meet at NAESB's offices in Houston, Texas on March 15-16. During this meeting, the ESS/ITS reviewed the work papers drafted to address Request No. R04006E (Network Service Transactions); created a work plan to complete the Implementation Guide for the S&CPs and the Order 890 work (this work product was posted for informal comment after this meeting); reviewed the proposed modifications to the Resales and Transfers business practices in light of Order 890; and discussed participants' comments on how to proceed on the modification of Standard WEQ001-9.7 ;; and had an update on the ATC efforts with the BPS and the NERC ATC Drafting Team.
- **March 23, 2007**: The ESS/ITS and BPS met jointly with the NERC ATC Drafting Team via conference call on March 23. The NAESB ESS/ITS and BPS participants provided comments on the draft of NERC MOD008 and the NERC ATC Drafting Team to assigned teams to draft responses to any comments that are received on MOD001.
- **March 26, 2007:** The ESS/ITS met via conference call on March 26. During this call, the ESS/ITS reviewed comments submitted in response to the request for informal comment for the proposed changes to the Resales Standards in light of Order 890. The revised document was posted for informal comment a 2nd time.
- **April 3-4, 2007:** The ESS/ITS met at NAESB's offices in Houston, Texas on April 3-4. During this meeting, the ESS/ITS reviewed comments submitted in response to the request for informal comment for the proposed changes to the Resales Standards in light of Order 890 and voted to send the revised recommendation to the Executive Committee and for formal comment. The ESS/ITS also worked on splitting the S&CP into two documents: The S&CP and Implementation Guide pursuant to Request No. R07002 (Request to divide the OASIS S&CP into two documents: The S&CP and 2) an Implementation Guide).
- **April 17, 2007:** The ESS/ITS and BPS met jointly at NAESB's offices in Houston, Texas. The team reviewed draft language for business practices to incorporate the requirements of NERC MOD003 (NERC plans to retire this standard). The team posted that language for an informal round of comments. Comments submitted will be considered by the team during their May 3rd conference call.
- **April 23, 2007:** The WEQ BPS and ESS/ITS met jointly with the NERC ATC Standards Drafting Team in Houston, TX to review comments submitted on NERC MOD-001. The team noted commercial issues

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identified in those comments, and the NERC chart on comments was updated to include action items for the NAESB team. This chart is posted on the NAESB website at http://www.naesb.org/pdf2/weq_atc_afc042307a4.doc. Most action items identified for the NAESB team were the corresponding posting requirements for MOD-001. In addition, the team discussed a web-ex to be held by NERC for the industry to explain the upcoming changes to be implemented under the revised MOD-001. The NAESB team reviewed language drafted for NERC MOD-003, recently posted for an informal comment period. It is NERC's plan to retire MOD-003 and for the standard to be held at NAESB. Comments on this language are due May 1, 2007.

- **May 3, 2007:** The WEQ BPS and ESS/ITS met via conference call and reviewed comments submitted on the standards language drafted for NERC MOD-003. The team considered four options that were a compromise of the input of the meeting participants and the comments submitted. An action item was taken by the chair of the group to develop language that was a compromise of those options. This document will be reviewed by the team and prior to submitting the language as a Recommendation.
- **May 9, 2007:** The ESS/ITS met in Washington, DC hosted by American Gas Association on May 9. During this meeting, the ESS/ITS continued review and discussion of the split of the S&CP into two documents per Request No. R07002 (Request to divide the OASIS S&CP into two documents: The S&CP and 2) an Implementation Guide).
- **May 10, 2007:** The WEQ BPS and ESS/ITS met jointly via conference call and began reviewing NERC MOD-001 to draft the corresponding ATC/AFC posting requirements for OASIS. The team noted in the document where posting requirements were necessary. They will continue the review and the drafting of the business practices at the next conference call.
- **May 17, 2007:** The WEQ BPS and ESS/ITS met jointly with the NERC ATC Drafting Team in Atlanta, Georgia to review and update each other on progress made regarding standards development for Order No. 890. During this meeting, the participants reviewed the draft NERC Standards for ATC, CBM, and TRM and determined where there would be "hand-offs" to NAESB for business practice standards development.
- **May 18, 2007:** The WEQ BPS and ESS/ITS met jointly via conference call to review the decisions made and the action items taken during the May 17, 2007 joint NERC/NAESB ATC meeting. The group reviewed the reviewed the revised NERC MOD-001 and noted the changes made. In addition, the group reviewed the requirements and made notes of questions to the NERC team concerning the posting requirements for the MOD. The team did the same for NERC MOD-028. NAESB will review these comments with the NERC team. The comments are noted in the work papers from the meeting.
- **May 30-31, 2007:** The ESS/ITS met in Charlotte, North Carolina hosted by Duke Energy on May 30-31. During this meeting, the ESS/ITS reviewed the latest drafts of the documents drafted to address Request No. R07002 (Request to divide the OASIS S&CP into two documents: The S&CP and 2) an Implementation Guide) and made changes to these documents. The ESS/ITS also revised the Order 890 Work Plan to scope and direct how the ESS/ITS will address the directives to modify OASIS in Order 890.
- **June 1, 2007:** The WEQ BPS and ESS/ITS met jointly in Charlotte, NC to continue to identify the posting requirements set forth in NERC MOD-001 MOD-028; MOD-029; MOD030; MOD004; and MOD008. The subcommittee also reviewed and modified the order 890 Work Plan to scope and direct how the ESS/ITS will address the directives to modify OASIS in Order 890.
- **June 6, 2007:** The ESS/ITS met via conference call to vote on Recommendation R07002. The ESS/ITS voted to send the Recommendation to the WEQ Executive Committee and to post for formal comments.

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- **June 11, 2007:** The WEQ ESS/ITS and BPS met via conference call on June 11, 2007. During this call, the ESS/ITS and BPS reviewed draft language for NAESB "handoff" items to complement the draft NERC reliability standards for MOD001; MOD0028; MOD029; MOD030; MOD004; and MOD008 and also began drafting language to set forth the procedure for input on Total Transfer Capability (TTC) and ATC methodologies and values (previously NERC MOD003)
- **June 13, 2007:** The WEQ ESS/ITS and BPS met jointly with the NERC ATC Drafting Team in San Francisco, CA hosted by NERC on June 13. During this meeting, the NAESB ESS/ITS and BPS reviewed the NAESB "handoff" items with the NERC ATC Drafting Team and presented questions drafted by the ESS/ITS and BPS regarding the language in the draft NERC MODs. The ESS/ITS and BPS also presented the draft language for the procedure for input on Total Transfer Capability (TTC) and ATC methodologies and values (previously NERC MOD003)
- **June 14, 2007:** The JISWG met jointly with the ESS/ITS to discuss how e-Tag should be modified to implement the conditional firm functionality set forth in Order 890. The JISWG also continued to work on the e-Tag Version 1.8 documents.
- **June 15, 2007:** The ESS/ITS met via conference call and continued to draft modifications to the draft S&CPs and Implementation Guide to include changes needed to the OASIS practices to the Group 1 items in the Order 890 Work Plan.
- **June 22, 2007:** The WEQ ESS/ITS and BPS met by conference call. The Subcommittee reviewed the NERC comments to the draft language for the procedure for input on Total Transfer Capability (TTC) and ATC methodologies and values (previously NERC MOD003). Modifications to the draft were made in response to the NERC comments. The group also drafted a comment to submit to the NERC ATC Drafting Team stating their concerns regarding the "publicly available" requirement of the reliability standard. The group made a few minor corrections the draft language to complement NERC MOD001 and MOD028, and drafted responses to the comments submitted by NERC regarding the "handoff" items to complement MOD001; MOD028-MOD030; MOD004; and MOD008.
- **June 26-27, 2007:** The ESS/ITS met in Austin, Texas on June 26-27 hosted by NAESB. During this meeting, the ESS/ITS reviewed the Specification for Implementation of Conditional Firm in e-Tagging that the JISWG posted for informal comment; reviewed revised Recommendation R07007 that had been revised by the JISWG. The ESS/ITS voted to send Recommendation R07007 out for formal 30 day comment and to the WEQ Executive Committee for review/adoption. The ESS/ITS also reviewed the latest draft of the OASIS S&CP, the OASIS S&CP Data Dictionary, and OASIS S&CP Implementation Guide that included the Group 1 items of the Order 890 Work Plan. The ESS/ITS updated that status of the items in the Order 890 Work Plan.
- **July 6, 2007:** The ESS/ITS and BPS met via conference call on July 6, 2007. During this call, the subcommittees finalized the documents that would be presented to the NERC ATC Drafting Team for review and comment on July 6. The documents that were reviewed included the draft language for the ATC posting requirements to complement the NERC standards MOD001, MOD004, MOD008, and MOD028-030; the language drafted to incorporate NERC MOD003 into a NAESB business practice. The ESS/ITS and BPS updated the "Handoff List' to include additional question/comments on the NERC draft reliability standards.
- **July 11, 2007:** The WEQ ESS/ITS and BPS met via conference call with the NERC ATC Drafting Team. During this call, The ESS/ITS and BPS presented the NERC Drafting Team with the comment drafted in the June 22, 2007 meeting concerning the "publicly available" requirement. The NERC Drafting Team took the comment under advisement. The NERC Team reviewed the NAESB responses to the NERC comments regarding the "handoff" items to complement MOD001; MOD028-MOD030; MOD004 and MOD008. The group addressed the responses and developed a strategy to resolve the issues presented. The NERC team

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reviewed and approved of the draft business practice standards for an ATC information link drafted to complement MOD001, MOD004, MOD008, MOD028, MOD029, and MOD030. The NERC team also reviewed and approved the language drafted by the ESS/ITS and BPS to incorporate what used to be NERC MOD003 into a NAESB business practice standard.

- **July 13, 2007:** The ESS/ITS met via conference call on July 13, 2007. During this call, the subcommittee reviewed the latest drafts of the OASIS S&CP, OASIS S&CP Data Dictionary, and OASIS S&CP Implementation Guide that included the Group 1 items of the Order 890 Work Plan and the additional functionality for conditional firm.
- **July 19, 2007:** The WEQ ESS/ITS and BPS met via conference call with the NERC ATC Drafting Team. During this call the NERC ATC Drafting Team reviewed comments they had received on MOD001, MOD004, MOD008. The two groups discussed their roles in developing the methodologies and calculations for ATC, and NERC requested that the ESS/ITS and BPS develop a list of information that should not be made "publicly available".
- **July 23-24, 2007:** The WEQ ESS/ITS and BPS met in Houston, Texas, hosted by NAESB on July 23-24, 2007. During this meeting, the group reviewed the Changes to SOC to Comply with Order 890 concerning CBM and TRM. The group also discussed comments submitted by EPSA regarding CBM and TRM. The subcommittee voted to post the Draft Modifications to WEQ 001 to Address Order 890 for informal comment. The group also began drafting a list of items that will be used for ATC calculations but will not be made "publicly available".
- **July 24-25, 2007:** The ESS/ITS met in Houston, Texas on July 24-25, 2007, hosted by NAESB. During this meeting the group continued to modify the drafts of the OASIS S&CP, OASIS Data Dictionary, and the OASIS Implementation Guide to address Order 890. The group voted to post the Draft Recommendation Annul Plan 2(ii) with the modified documents as attachments for informal comment until August 14, 2007. The ESS/ITS also reviewed and made a few modifications to WEQ 001-1.6 and WEQ 001-1.7.
- **August 7, 2007:** The WEQ ESS/ITS met via conference call on August 7, 2007. During this call the ESS/ITS reviewed, the OASIS S&CP, OASIS Data Dictionary, and the OASIS Implementation Guide, and made a few modifications based upon comments made by a FERC representative in attendance during a WEQ JISWG conference call the week prior. The group also reviewed the Order 890 work plan to determine the group's status and the group's next steps. The WEQ JISWG met with the ESS/ITS during the final hour of the conference call to discuss the finalization of the e-Tag specification design concerning conditional firm.
- **August 9, 2007:** The WEQ ESS/ITS and BPS met via conference call with the NERC ATC Drafting Team on August 9. During this meeting the group reviewed the EPSA comments regarding CBM and TRM. The teams went through the comments and identified which areas should be managed on the NERC side and which should be managed on the NAESB side..
- **August 15, 2007:** The WEQ ESS/ITS met in Colorado Springs, Colorado, hosted by El Paso Western Pipelines on August 15, 2007. During the meeting the group began to review informal comments submitted on the Draft Recommendation Annual Plan 2(ii) (modifications to the WEQ OASIS S&CPs; OASIS S&CP Data Dictionary; and OASIS Implementation Guide to include modifications needed for Order 890 Group 1 (Annotations for ATC; Load Forecast and Actual Load; Re-Bid of Partial Service; Conditional Firm; and Preconfirmation of Priority)), and it's attachments.
- **August 16-17, 2007:** The WEQ ESS/ITS and BPS met in Colorado Springs, Colorado hosted by El Paso Western Pipelines. During this meeting, the group reviewed and responded to the NAESB assigned comments submitted by EPSA and other comments submitted in response to the request for informal comments on Order 890 modifications to WEQ 001. The group voted to post Order 890 modifications to WEQ 001 for a 30 day formal comment period. The group also reviewed previously undocumented handoff items from the NERC

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Drafting Team, updated the status of the Order 890 Workplan, and developed a list of ATC post-backs requested by members of the NERC Drafting Team.

- **August 27, 2007**: The ESS/ITS met via conference call on August 27, 2007 to continue reviewing the comments submitted in response to the request for informal comments on the Draft Recommendation Annual Plan 2(ii) (modifications to the WEQ OASIS S&CPs; OASIS S&CP Data Dictionary; and OASIS Implementation Guide to include modifications needed for Order 890 Group 1 (Annotations for ATC; Load Forecast and Actual Load; Re-Bid of Partial Service; Conditional Firm; and Preconfirmation of Priority)).
- **August 28, 2007:** The WEQ ESS/ITS and BPS met via conference call. During this meeting the group made a few minor modifications to the list of ATC postbacks created in the previous meeting. The group merged the Draft Language for the Procedure for Addressing Available Transfer Capability Methodology (formerly NERC MOD003) with the Language to Complement MOD001, MOD004, MOD008, MOD028, MOD029, and MOD030 and voted to post the document for informal comment. The team also began discussions on drafting business practice standards to address CBM.
- **August 29, 2007:** The WEQ ESS/ITS and BPS met jointly with the NERC ATC Drafting Team on August 29, via conference call and hosted by APPA in Washington, DC. During this meeting, the NERC ATC Drafting Team provided a report on the meeting with FERC Staff on August 27 and noted that NERC plans to modify the timelines for standards development for Order 890. The NAESB subcommittee provided an update on the draft documents created to date.
- **September 10-11, 2007:** The ESS/ITS met on September 10-11, 2007 at NAESB's offices in Houston, Texas. The meeting times are 12:00 PM to 5:00 PM on September 10 and 9:00 AM to 12:00 PM on September 11. The agenda for this meeting includes: review of draft Minor Corrections to Recommendation R07002 (Request to divide the OASIS S&CP into two documents: The S&CP and 2) an Implementation Guide) submitted by Mr. Skiba; continue to review the comments submitted in response to the request for informal comments on the draft Recommendation for Annual Plan Item 2(ii) (modifications to the WEQ OASIS S&CPs; OASIS S&CP Data Dictionary; and OASIS Implementation Guide to include modifications needed for Order 890 Group 1 (Annotations for ATC; Load Forecast and Actual Load; Re-Bid of Partial Service; Conditional Firm; and Preconfirmation of Priority)); discuss potential modifications to the NAESB OASIS business practice standards (WEQ 001) to be made in conjunction with the changes to the S&CPS (WEQ 002), Implementation Guide (WEQ 013), and Data Dictionary (WEQ 003) for the Group 1 items listed above; and review and discuss the priority, scope, and targets for Groups 2, 3, and 4 of the Order 890 Work Plan.
- **September 11-12, 2007:** The WEQ ESS/ITS and BPS met in Houston, Texas hosted by NAESB. During the meeting the Subcommittee reviewed the Postback List with Sorted Tables and made modifications identified by the participants offline, The group also reviewed and responded to the comments submitted in response to the Language to Complement MOD001, MOD004, MOD008, MOD028, MOD029, MOD030, and to incorporate NERC MOD003 Language. A discussion on how to address CBM was initiated, and the group modified the Order 890 Work Plan to reflect the group's progress.
- **September 12, 2007:** The ESS/ITS and BPS met jointly with the NERC ATC Drafting Team in Houston, Texas on September 12 from 1:00 PM to 5:00 PM Central. During the meeting the Subcommittee presented the Drafting Team with it's updated Postback List, the Language to Complement MOD001, MOD004, MOD008, MOD028, MOD029, MOD030, and to incorporate NERC MOD003 Language, and the work paper created to begin addressing CBM. The Drafting Team also presented the Subcommittee with the progress on the modifications to the NERC reliability standards for ATC
- **September 18, 2007**: The ESS/ITS and BPS met via conference call on September 18. During the meeting the Subcommittee made a few modifications, and voted to accept the proposed minor corrections to the standard

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adopted in Final Action R07002 (Request to divide the OASIS S&CP into two documents: The S&CP and 2) an Implementation Guide). The group also continued their discussions to address CBM, and distributed assignments to participants to address the identified NAESB only issues, which do not require coordination with NERC.

- **September 25, 2007**: The ESS/ITS met via conference call with web conferencing on September 25, 2007. During the meeting the Subcommittee reviewed the comments submitted in response to the attachments that will be considered in the Recommendation for WEQ 2007 Annual Plan Item 2(a)(ii), i.e. the OASIS S&CP (WEQ 002), the OASIS Data Dictionary (WEQ 003), and the OASIS Implementation Guide (WEQ 013). The group made a few modifications to the documents and voted to send them to the WEQ Executive Committee after the thirty-day comment period.
- **October 9, 2007**: The ESS/ITS met at NAESB's offices in Houston, Texas on October 9, 2007 from 9:00 AM to 5:00 PM Central. The group began drafting standards to address Groups 2 and 3 of WEQ Order 890. The group also reviewed the proposed checklist for WEQ PKI certification and decided to table this issue until next meeting and then have a vote on certification.
- **October 10, 2007**: The ESS/ITS and BPS is met at NAESB's offices in Houston, Texas on October 10, 2007 from 9:00 AM to 5:00 PM Central. The group reviewed and responded to the posted questions from NERC on the ATC DT about CBM. The group also reviewed and responded to WEQ 2007 Annual Plan Item 2(c) – Order 890 Modifications to WEQ 001. The group also reviewed and responded to work papers submitted on the ATC standards developments
- **Planned, October 25, 2007**: The ESS/ITS and BPS is scheduled to meet via conference call on October 25 from 10:00 AM to 3:00 PM Central.
- **Planned, November 7, 2007**: The ESS/ITS is scheduled to meet at NAESB's offices in Houston, Texas on November 7, 2007 from 9:00 AM to 5:00 PM Central.
- **Planned, November 8, 2007**: The ESS/ITS and BPS is scheduled to meet at NAESB's offices in Houston, Texas on November 8 from 9:00 AM to 5:00 PM Central.

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NERC/NAESB Joint Interchange Scheduling Working Group

- **January 23-24, 2007:** The JISWG met in Houston, TX to continue work to update the NAESB R05001 Coordinate Interchange Standard and the NERC INT Version 1 Standards to align them with changes made to the e-Tag tool and Interchange timing tables. In addition, reviewed section 1303-Personnel & Training and found out that no business practices are needed. The working group also recommended a minor change to the "timing table" previously published, to correct an inadvertent error affecting only WECC.
- **February 14, 2007:** The JISWG met jointly with NERC's Interchange subcommittee to explain the e-Tag update and WECC minor change JISWG had approved on January 24.
- **February 26, 2007:** The JISWG met via conference call on February 26 and approved for NERC and NAESB publication for informal industry comments the Draft e-Tagging Functional Specifications, Version 1.8
- **March 5, 2007:** The JISWG met via conference call with the e-Tag software vendors to collect their informal comments on draft Version 1.8.
- **March 9, 2007:** The JISWG again met via conference call with the e-Tag software vendors to collect the remainder of their informal comments on draft Version 1.8.
- **March 16, 2007:** The JISWG again met via conference call with the e-Tag software vendors to dialogue about the last of their informal comments on draft Version 1.8.
- **March 19, 2007:** The JISWG met via conference call to discuss all comments received on draft Version 1.8 of the e-Tag specification and schema. Members also agreed on an implementation plan to ratify, publish, test and train, culminating in a "go live" of Version 1.8 on December 5, 2007.
- **May 15-16, 2007:** The JISWG met in Houston, TX at the NAESB offices to draft recommendations for several requests. Recommendations were voted out of subcommittee and to the ESS/ITS for the following Requests: R05018 (Revise the e-Tag specification to allow PSEs associated with a transmission segment in the tag optional approval rights); R06026 (Revise WEQ-004 Coordinate Interchange Business Practice Standard requirement 2.2 and the table contained in Appendix A, part B, to exempt WECC); R06025 (Modify Appendix D of WEQ 004 to add an explanation for the terms "required" and "correctable", to add a sentence clarifying that tag data elements are not correctable and are not required, and to make the element of Energy Product Type required) and; R07005 (Request to allow BA's to Adjust Dynamic Schedule Transaction Type Tags within the ATF changes rules.) The team also revised the Coordinate Interchange timing tables to address Request R07007. Recommendation R07007 will be voted out during the June 6th conference call. The JISWG also discussed conditional firm and asked the NAESB team to schedule a joint meeting with the Commission and the ESS/ITS to discuss the design for conditional firm. The team also discussed the implementation plan for e-Tag version 1.8 and took action items to complete necessary implementation documents.
- **June 6, 2007:** The NERC/NAESB JISWG met via conference call to vote out of subcommittee Recommendation R07007. In addition, the team reviewed documents for the implementation of e-Tag Spec version 1.8. NAESB hosted the meeting.
- **June 14, 2007:** The JISWG met jointly with the ESS/ITS to discuss how e-Tag should be modified to implement the CONTINUE FIRM functionality set forth in Order 890. The JISWG also continued to work on the e-Tag Version 1.8 documents.
- **June 19, 2007:** The JISWG met via conference call hosted by NAESB to review the e-Tag Version 1.8 Structured Test Document and Script; finalize the response of the JISWG to the 2nd Set of Comments

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Submitted to the E-Tag 1.8 Specification, Implementation Plan, and Schema; and update the implementation of e-Tag Version 1.8.

- **July 12, 2007:** The JISWG met in San Diego, CA to review the e-Tag 1.8 implementation plan, discuss the industry tutorial/Q and A/information sharing techniques, and develop a schedule for the interoperability vendor testing. The group also reviewed the JISWG responses to industry comments on recommendation R07007, and undertook to draft two recommendations for submission to NAESB concerning the requirement of a confidentiality agreement for all parties with access to e-Tag information and a implementation device for the "conditional firm" requirements of Order 890.
- **July 30 – August 1, 2007:** The JISWG met in Houston, Texas, hosted by NAESB on July 30 – August 1, 2007. During this meeting the JISWG made a few minor modifications to the Interoperability Test Script based upon vendor requests in preparation for testing, and reviewed and drafted responses to comments on the Specification for Implementation of Conditional firm in e-Tagging. The group also reviewed a draft of the information to be included in the industry tutorial and scheduled times to hold the tutorial. The group drafted a Request for the initiation of standards for submission to NAESB requesting that those with access to e-Tag information execute a confidentiality agreement.
- **August 9, 2007:** The JISWG met via conference call to discuss the results of the vendor interoperability testing. The JISWG members made note of the issues presented by the vendors and will address the issues in the JISWG meeting scheduled for August 29-30, 2007.
- **August 15, 2007:** The JISWG met via conference call to discuss the results of recent e-Tag Version 1.8 vendor interoperability testing.
- **August 29, 2007:** JISWG met in Vancouver, B.C. to discuss becoming a NERC Standard Drafting Team for WECC's requested changes to the timing tables; approve the e-Tag 1.8 Project Implementation Plan; revise the slides for the industry-wide tutorials during September; and complete Conditional Firm.
- **September 7, 2007:** The JISWG met via conference call to present an industry wide tutorial on the changes to the current verion e-Tag that will be present in Version 1.8. The team went through a powerpoint presentation and fielded questions from industry participants.
- **September 11, 2007:** The JISWG met via conference call to present an industry wide tutorial on the changes to the current verion e-Tag that will be present in Version 1.8. The team went through a powerpoint presentation and fielded questions from industry participants.
- **September 25, 2007:** The JISWG met via conference call to present an industry wide tutorial on the changes to the current version e-Tag that will be present in Version 1.8. The team went through a powerpoint presentation and fielded questions from industry participants.
- **October 3-4, 2007:** The JISWG met in Houston, Texas at the NAESB offices. During this meeting the Subcommittee discussed the success of the industry wide tutorial, and created a FAQ document based upon the questions asked during the sessions. The group drafted a list of considerations for the WEQ EC to consider when reviewing the scope of R07013, and created a work plan for the projects to be addressed during 2008. The participants also received a status report on the transition of the EIR from NERC to NAESB, and drafted a request to update the Coordinate Interchange Business Practices, if not included as an Annual Plan Item for the Subcommittee.
- **Planned, October 16, 2007:** The JISWG will meet via conference call from 2:00 to 3:00 Central to address a request for modifications to the data contained in the current EIR.
- **Planned, November 15-16, 2007:** The JISWG will meet in San Francisco, hosted by NERC.

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- **Planned, December 19-20, 2007:** The JISWG will met in Houston, Texas, hosted by NAESB.

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Business Practices Subcommittee

- **January 3, 2007:** The WEQ BPS met to plan for upcoming joint meetings with the NERC TLR Standards Drafting Team. These meetings will be held in January, February, and March in an effort to complete the NERC portion of the TLR post split standards. The subcommittee discussed how the development of the NERC standards could affect the companion NAESB business practices, ratified in April 2006.
- **Planned, January 8, 2007:** The WEQ BPS and ESS/ITS met via conference call jointly to review comments submitted on the Contract Path definition (Item 1D of R05004A). The group also reviewed progress made on work papers drafted to outline the standards language for Item 3E of R05004A. The subcommittee reviewed the progress of the NERC ATC Drafting Team**.**
- **January 9-10, 2007**: The WEQ BPS met jointly with the NERC TLR Drafting Team in Houston, Texas. The grouped helped the NERC team to draft the split of the TLR reliability standards.
- **January 30, 2007:** The ESS/ITS and BPS met jointly via conference call on January 30. During this call, the subcommittees reviewed the draft language for NERC MOD002, and MOD003. The group made comments on MOD003 for review by the NERC ATC Drafting Team. The joint subcommittees also continued to discuss Items 1A and 3E of Request No. R05004A.
- **February 9, 2007:** The ESS/ITS and BPS met jointly via conference call on February 9. During this meeting, the subcommittees conducted a final review of the draft language for NERC MOD001 scheduled to be posted for comment by NERC on February 15. The subcommittees continued to discuss potential language for Item 1A of Request No. R05004A, discussed draft language for Item 3E, and discussed Items 2 and 3(d) for Request No. R05004A (the CBM Items).
- **February 27-28, 2007**: The WEQ BPS met jointly with the NERC TLR Drafting Team in Birmingham, Alabama hosted by Southern Company. During this meeting, the joint groups heard a Report of Incremental Changes that Have Been Incorporated into the Existing NAESB TLR Standards; worked on the Mapping of NERC IRO-006 Attachment 1; discussed the NERC Field Test for MISO and PJM; and developed an IDC Reference Document for TLR;.
- **March 1-2, 2007**: The ESS/ITS and BPS met jointly with the NERC ATC Drafting Team in Memphis, Tennessee. During this meeting, the joint groups discussed the implications of Order 890 on the work of the NERC ATC Drafting Team; discussed the fact that NERC would like to retire MOD003 in favor of NAESB adopting the business practices covered in MOD003; discussed the protocol for reviewing comments on draft standards per the Joint Development Procedure. The NERC ATC Drafting Team also made assignments on various aspects of ETC and TRM and discussed changes that need to be made to NERC FACs 12 and 13..
- **March 7, 2007:** The ESS/ITS and BPS met jointly via conference call on March 7. During this call, the subcommittees reviewed the Order 890 Matrix and developed a preliminary work plan for the groups to draft business practices to address the ATC items in the Order in addition to drafting complementary standards to the NERC ATC standards.
- **March 19, 2007**: The BPS met via conference call to discuss the progress of the NERC TLR Drafting Team and draft language to address minor changes identified during the last meeting with the NERC TLR Drafting Team including a revision to TLR Level 5A. The team copied language for Reallocation from TLR level 3A and modified it for a Reallocation under a TLR Level 5A. The WEQ BPS will review these changes with the NERC TLR Standards Drafting Team at the next joint meeting.
- **March 23, 2007**: The ESS/ITS and BPS met jointly with the NERC ATC Drafting Team via conference call on March 23. The NAESB ESS/ITS and BPS participants provided comments on the draft of NERC MOD008 and

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the NERC ATC Drafting Team to assigned teams to draft responses to any comments that are received on MOD001.

- **April 17, 2007:** The ESS/ITS and BPS met jointly at NAESB's offices in Houston, Texas. The team reviewed draft language for business practices to incorporate the requirements of NERC MOD003 (NERC plans to retire this standard). The team posted that language for an informal round of comments. Comments submitted will be considered by the team during their May 3rd conference call.
- **April 18-19, 2007:** The WEQ BPS met jointly with the NERC TLR Standards Drafting Team in Carmel, Indiana to continue work on the NERC TLR Reliability Standards. The team identified the documents that would be necessary for the NERC comment posting period, scheduled for May 1, 2007. Those documents included the redlined changes for the NERC reliability standards, this document with all changes accepted, IRO-006-4 (both redline and clean), and the comment form. The team recognized that several reference pieces would be necessary for the comment period, for commenters to make sure no piece of the TLR standard was overlooked in the split. The NAESB TLR Business Practices were noted by the team as being a necessary reference tool for the NERC comment period. The team also drafted a white paper for TLR to explain the process behind the split of the reliability standards and commercial standards. Minor corrections were identified by the joint team for the NAESB TLR Business Practice Standards. Those minor corrections will be considered by the WEQ BPS on May 1, 2007. Those minor corrections include corrected reference numbers to standards and the inclusion of Dynamic Schedule language for TLR Levels 5A and 5B.
- **April 23, 2007:** The WEQ BPS and ESS/ITS met jointly with the NERC ATC Standards Drafting Team in Houston, TX to review comments submitted on NERC MOD-001. The team noted commercial issues identified in those comments, and the NERC chart on comments was updated to include action items for the NAESB team. This chart is posted on the NAESB website at http://www.naesb.org/pdf2/weq_atc_afc042307a4.doc. Most action items identified for the NAESB team were the corresponding posting requirements for MOD-001. In addition, the team discussed a web-ex to be held by NERC for the industry to explain the upcoming changes to be implemented under the revised MOD-001. The NAESB team reviewed language drafted for NERC MOD-003, recently posted for an informal comment period. It is NERC's plan to retire MOD-003 and for the standard to be held at NAESB. Comments on this language are due May 1, 2007.
- **April 26, 2007:** The WEQ BPS met jointly with the NERC TLR Standards Drafting Team via conference call to prepare the NERC TLR Reliability Standards for their comment posting period. The documents to be posted for the comment period were reviewed. The team noted minor changes to be made to the documents prior to posting. It is NERC's plan to post the standards for comment on May 1, 2007. The comment period is 45 days long. The NERC team submitted the standards to Ms. Maureen of Long of NERC for her review prior to posting. As of today, May 1, it is the intent of NERC to post the standards by the end of the day for comment.
- **May 1, 2007:** The WEQ BPS considered the minor corrections identified by the joint NERC/NAESB TLR team on April 18-19, 2007. Those minor corrections were voted out of the subcommittee and will be posted to the WEQ Executive Committee. The WEQ BPS discussed the upcoming schedule of meetings for summer 2007.
- **May 3, 2007:** The WEQ BPS and ESS/ITS met via conference call and reviewed comments submitted on the standards language drafted for NERC MOD-003. The team considered four options that were a compromise of the input of the meeting participants and the comments submitted. An action item was taken by the chair of the group to develop language that was a compromise of those options. This document will be reviewed by the team and prior to submitting the language as a Recommendation.
- **May 10, 2007:** The WEQ BPS and ESS/ITS met jointly via conference call and began reviewing NERC MOD-001 to draft the corresponding ATC/AFC posting requirements for OASIS. The team noted in the document

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where posting requirements were necessary. They will continue the review and the drafting of the business practices at the next conference call.

- **May 17, 2007:** The WEQ BPS and ESS/ITS met jointly with the NERC ATC Drafting Team in Atlanta, Georgia to review and update each other on progress made regarding standards development for Order No. 890. During this meeting, the participants reviewed the draft NERC Standards for ATC, CBM, and TRM and determined where there would be "hand-offs" to NAESB for business practice standards development.
- **May 18, 2007:** The WEQ BPS and ESS/ITS met jointly via conference call to review the decisions made and the action items taken during the May 17, 2007 joint NERC/NAESB ATC meeting. The group reviewed the reviewed the revised NERC MOD-001 and noted the changes made. In addition, the group reviewed the requirements and made notes of questions to the NERC team concerning the posting requirements for the MOD. The team did the same for NERC MOD-028. NAESB will review these comments with the NERC team. The comments are noted in the work papers from the meeting.
- **May 23-24, 2007:** The WEQ BPS met jointly with the NERC TLR Standards Drafting Team in Chattanooga, TN. During this meeting, the participants reviewed the status of the draft standards that were posted for comment at NERC; and Review of Phase 3 Scope and Deliverables and Operators Guide.
- **June 1, 2007:** The WEQ BPS and ESS/ITS met jointly in Charlotte, NC to continue to identify the posting requirements set forth in NERC MOD-001 MOD-028; MOD-029; MOD030; MOD004; and MOD008. The subcommittee also reviewed and modified the order 890 Work Plan to scope and direct how the ESS/ITS will address the directives to modify OASIS in Order 890.
- **June 11, 2007:** The WEQ ESS/ITS and BPS met via conference call on June 11, 2007. During this call, the ESS/ITS and BPS reviewed draft language for NAESB "handoff" items to complement the draft NERC reliability standards for MOD001; MOD0028; MOD029; MOD030; MOD004; and MOD008 and also began drafting language to set forth the procedure for input on Total Transfer Capability (TTC) and ATC methodologies and values (previously NERC MOD003).
- **June 13, 2007:** The WEQ ESS/ITS and BPS met jointly with the NERC ATC Drafting Team in San Francisco, CA hosted by NERC on June 13. During this meeting, the NAESB ESS/ITS and BPS reviewed the NAESB "handoff" items with the NERC ATC Drafting Team and presented questions drafted by the ESS/ITS and BPS regarding the language in the draft NERC MODs. The ESS/ITS and BPS also presented the draft language for the procedure for input on Total Transfer Capability (TTC) and ATC methodologies and values (previously NERC MOD003)
- **June 19-20, 2007:** The WEQ ESS/ITS and BPS met jointly with the NERC TLR Standards Drafting Team, hosted by NAESB in Houston, Texas. During this meeting, the participants reviewed the comments submitted on the NERC TLR Reliability Standards and drafted responses. The participants also updated the group on the progress of their Phase III work assignments.
- **June 22, 2007:** The WEQ ESS/ITS and BPS met by conference call. The Subcommittee reviewed the NERC comments to the draft language for the procedure for input on Total Transfer Capability (TTC) and ATC methodologies and values (previously NERC MOD003). Modifications to the draft were made in response to the NERC comments. The group also drafted a comment to submit to the NERC ATC Drafting Team stating their concerns regarding the "publicly available" requirement of the reliability standard. The group made a few minor corrections the draft language to complement NERC MOD001 and MOD028, and drafted responses to the comments submitted by NERC regarding the "handoff" items to complement MOD001; MOD028-MOD030; MOD004 and MOD008.

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- **July 6, 2007:** The ESS/ITS and BPS met via conference call on July 6, 2007. During this call, the subcommittees finalized the documents that would be presented to the NERC ATC Drafting Team for review and comment on July 6. The documents that were reviewed included the draft language for the ATC posting requirements to complement the NERC standards MOD001, MOD004, MOD008, and MOD028-030; the language drafted to incorporate NERC MOD003 into a NAESB business practice. The ESS/ITS and BPS updated the "Handoff List' to include additional question/comments on the NERC draft reliability standards.
- **July 9-10, 2007:** The teams met in Toronto to complete the Joint Operator Manual so that it may be posted when the standard is posted for ballot, and to continue working on Phase III. The group developed a schedule so that the reliability standard could potentially be filed with the business practice standard prior to the next NAESB board meeting on September 27, 2007. The teams reviewed the status of IRO-006 and the Compliance Guide, and decided to have a conference call to finalize all documents before posting the standard on July 20, 2007. Phase III work continued, and the group discussed splitting the standard into three parts regionally for the ERCOT, the WECC, and the Eastern Interconnect. The group also discussed removing TLR Severity Level 6 from the standard, however a final determination was not made. .
- **July 11, 2007:** The WEQ ESS/ITS and BPS met via conference call with the NERC ATC Drafting Team. During this call, The ESS/ITS and BPS presented the NERC Drafting Team with the comment drafted in the June 22, 2007 meeting concerning the "publicly available" requirement. The NERC Drafting Team took the comment under advisement. The NERC Team reviewed the NAESB responses to the NERC comments regarding the "handoff" items to complement MOD001; MOD028-MOD030; MOD004 and MOD008. The group addressed the responses and developed a strategy to resolve the issues presented. The NERC team reviewed and approved of the draft business practice standards for an ATC information link drafted to complement MOD001, MOD004, MOD008, MOD028, MOD029, and MOD030. The NERC team also reviewed and approved the language drafted by the ESS/ITS and BPS to incorporate what used to be NERC MOD003 into a NAESB business practice standard.
- **July 19, 2007:** The WEQ BPS met jointly with the NERC TLR Standards Drafting Team via conference call and reviewed the completed Joint Operator Manual and Compliance Guide. The group voted to post the Manual and Compliance Guide for ballot, but will post a revised Manual by mid August.
- **July 19, 2007:** The WEQ ESS/ITS and BPS met via conference call with the NERC ATC Drafting Team. During this call the NERC ATC Drafting Team reviewed comments they had received on MOD001, MOD004, MOD008. The two groups discussed their roles in developing the methodologies and calculations for ATC, and NERC requested that the ESS/ITS and BPS develop a list of information that should not be made "publicly available".
- **July 20, 2007:** The WEQ BPS met via conference call on July 20, 2007. During the meeting the group made minor corrections to the NAESB TLR Business Practices Standards that were identified by the WEQ BPS and the NERC TLR Drafting Team. The group voted to send the minor corrections to the WEQ Executive Committee in a memorandum.
- **July 23-24, 2007:** The WEQ ESS/ITS and BPS met in Houston, Texas, hosted by NAESB on July 23-24, 2007. During this meeting, the group reviewed the Changes to SOC to Comply with Order 890 concerning CBM and TRM. The group also discussed comments submitted by EPSA regarding CBM and TRM. The subcommittee voted to post the Draft Modifications to WEQ 001 to Address Order 890 for informal comment. The group also began drafting a list of items that will be used for ATC calculations but will not be made "publicly available".
- **August 9, 2007:** The WEQ ESS/ITS and BPS met via conference call with the NERC ATC Drafting Team on August 9. During this meeting the group reviewed the EPSA comments regarding CBM and TRM. The teams

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went through the comments and identified which areas should be managed on the NERC side and which should be managed on the NAESB side.

- **August 9, 2007:** The team met via conference call to host an industry webcast in an effort to give members of the industry an opportunity to ask the Drafting Team questions during the standard's pre-ballot review. The group reviewed the changes to the existing standard and answered the few questions posed from the participants. The team plans to meet later in the month to review the comments submitted and draft responses before reposting for the 10 day ballot period.
- **August 16-17, 2007:** The WEQ ESS/ITS and BPS met in Colorado Springs, Colorado hosted by El Paso Western Pipelines. During this meeting, the group reviewed and responded to the NAESB assigned comments submitted by EPSA and other comments submitted in response to the request for informal comments on Order 890 modifications to WEQ 001. The group voted to post Order 890 modifications to WEQ 001 for a 30 day formal comment period. The group also reviewed previously undocumented handoff items from the NERC Drafting Team, updated the status of the Order 890 Workplan, and developed a list of ATC post-backs requested by members of the NERC Drafting Team.
- **August 22-23, 2007:** The teams met in Carmel, Indiana hosted by Midwest ISO to continue Phase III work. During the meeting the group revisited the severity guidelines of the NERC Compliance Guidelines document, and continued work on IRO-006-5. The group heard presentations on the WECC and ERCOT, and continued discussions on the issue of regional applicability. The team also discussed the possibility of creating a TLR training module. A future meeting was scheduled in Washington D.C. on November 27-28, 2007 to continue the Phase III work.
- **August 28, 2007:** The WEQ ESS/ITS and BPS met via conference call. During this meeting the group made a few minor modifications to the list of ATC postbacks created in the previous meeting. The group merged the Draft Language for the Procedure for Addressing Available Transfer Capability Methodology (formerly NERC MOD003) with the Language to Complement MOD001, MOD004, MOD008, MOD028, MOD029, and MOD030 and voted to post the document for informal comment. The team also began discussions on drafting business practice standards to address CBM.
- **August 29, 2007:** Ballots for NERC IRO-006-4 were due to NERC and 93.52% voted in favor. The standard will proceed to recirculation ballot.
- **August 29, 2007:** The WEQ ESS/ITS and BPS met jointly with the NERC ATC Drafting Team on August 29, via conference call and hosted by APPA in Washington, DC. During this meeting, the NERC ATC Drafting Team provided a report on the meeting with FERC Staff on August 27 and noted that NERC plans to modify the timelines for standards development for Order 890. The NAESB subcommittee provided an update on the draft documents created to date.
- **September 6, 2007:** The team met via conference call to overview the comments submitted in response to NERC IRO-006-4, and distribute assignments based upon the comments. The team noted the 90% approval of the standard and due to the limited number of comments submitted in response to the standard, the group decided to review the responses drafted offline by members of the Drafting Team. The group made a few minor modifications to these responses for clarity purposes and agreed to forgo the conference call on September 13, 2007 originally scheduled to draft responses to comments. The team also agreed to make any other minor modifications to the responses through email, and to have those modifications complete by close of business on September 10, 2007. The standard with responses to comments will be placed on a 10 day recirculation ballot before being presented to the NERC board. It is the expectation at this time that the recirculation ballots will be distributed during the week of September 10, 2007.

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- **September 11-12, 2007**: The ESS/ITS and BPS met at NAESB's offices in Houston, Texas. During the meeting the Subcommittee reviewed the Postback List with Sorted Tables and made modifications identified by the participants offline, The group also reviewed and responded to the comments submitted in response to the Language to Complement MOD001, MOD004, MOD008, MOD028, MOD029, MOD030, and to incorporate NERC MOD003 Language. A discussion on how to address CBM was initiated, and the group modified the Order 890 Work Plan to reflect the group's progress.
- **September 12, 2007:** The ESS/ITS and BPS met jointly with the NERC ATC Drafting Team in Houston, Texas on September 12 from 1:00 PM to 5:00 PM Central. During the meeting the Subcommittee presented the Drafting Team with it's updated Postback List, the Language to Complement MOD001, MOD004, MOD008, MOD028, MOD029, MOD030, and to incorporate NERC MOD003 Language, and the work paper created to begin addressing CBM. The Drafting Team also presented the Subcommittee with the progress on the modifications to the NERC reliability standards for ATC
- **September 18, 2007**: The ESS/ITS and BPS met via conference call on September 18. During the meeting the Subcommittee made a few modifications, and voted to accept the proposed minor corrections to the standard adopted in Final Action R07002 (Request to divide the OASIS S&CP into two documents: The S&CP and 2) an Implementation Guide). The group also continued their discussions to address CBM, and distributed assignments to participants to address the identified NAESB only issues, which do not require coordination with NERC.
- **October 4-5, 2007:** Joint NAESB WEQ BPS and NERC TLR Drafting Team meeting was held on October 4-5, 2007 hosted by NERC. The group reviewed detailed flow charts on current TLR and revised wording of reliability standard.
- **October 10, 2007**: The ESS/ITS and BPS is met at NAESB's offices in Houston, Texas on October 10, 2007 from 9:00 AM to 5:00 PM Central. The group reviewed and responded to the posted questions from NERC on the ATC DT about CBM. The group also reviewed and responded to WEQ 2007 Annual Plan Item 2(c) – Order 890 Modifications to WEQ 001. The group also reviewed and responded to work papers submitted on the ATC standards developments.
- **October 15, 2007:** The WEQ BPS met via conference call on October 15, 2007 to consider a proposed minor correction to the existing TLR business practices to correct the references to the NERC TLR standards to reflect the most current version.
- **October 25, 2007:** The ESS/ITS and BPS met via conference call on October 25 from 10:00 AM to 3:00 PM Central. The topics to be covered were ATC standards work papers that are not interdependent with NERC work products (CBM auditing, posting requirements for TRM, and ATC-TTC narrative background).
- **Planned, November 7, 2007**: The ESS/ITS and BPS is scheduled to meet at NAESB's offices in Houston, Texas on November 8 from 9:00 AM to 5:00 PM Central. Topics to be covered are discussion of conditional firm, division of workload for group 1 changes, and drafting standards to address group 2 of the Order 890 work plan., and start review of proposed WEQ Appendix C (exceptions).

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Standards Review Subcommittee

- **January 29, 2007:** The SRS reviewed the following NERC reliability standards in development to determine if complementary NAESB business practice standards are needed: Resource Adequacy Assessments, Revisions to BAL-004 – Time Error Correction, Revisions to BAL-005 – ACE Equation Implementation, Revisions to BAL-006 – Inadvertent Interchange Data, Revisions to IRO-004 – Require timely submission of data, Nuclear Plant Off-site Power Supply Coordination, Under-frequency Load Shedding and Voltage and Reactive Control. The group also agreed to add to their phone conferences web casts of the text of each SAR posted by NERC, so that comments can be prepared on the spot.
- **March 19, 2007:** The SRS met for the first time with web conferencing and proceeded straight to NERC's website list of Standards Under Development. Seventeen SARS and draft Standards were reviewed and five were determined not to involve any commercial impacts. The other twelve will involve NAESB, but in most cases, the drafting at NERC is so prolonged it is impossible to determine at this time what in particular NAESB will be called upon to draft.
- **May 21, 2007:** The SRS met via conference call/web conference to continue their review of NERC Standards Under Development to note any that may require commercial practices. The SRS noted that Standards Authorization Requests Generator Verification and Real Time Operations were reliability in nature. The rest were noted for continued monitoring.
- **July 23, 2007:** The SRS conference call was rescheduled to August 1, 2007.
- **August 1, 2007:** The SRS met via conference call/web conference to continue their review of NERC Standards under development to note any that may require commercial practices. The SRS deleted the pending SARs for ATC and TLR from its list for monitoring, as NAESB's role on those subjects has been confirmed in FERC Order 890. The rest were noted for continued monitoring.
- **September 24, 2007:** The SRS met via conference call on September 24, 2007 from 2:00 PM to 4:00 PM Central. The group discussed he role of the SRS how to encourage more participation. They also reviewed the Calpine letter regarding R05026-8/16/07 which will be further discussed at the next meeting. R03017 and NERC development of IROL was also discussed with possible links to NAESB. As NERC proceeds further, NAESB SRS will review what actions should be taken.
- **Planned, November 19, 2007:** The SRS is scheduled to meet via conference call on November 19, 2007 from 2:00 PM to 4:00 PM Central.

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Interpretations Subcommittee

- **October 2, 2007:** The Interpretations Subcommittee met via conference call on October 2, 2007. The group reviewed and discussed its first request for interpretation (C07001). The group recommended addressing the request by preparing an interpretation that the gas usage that would dictate that a generator is considered "gas-fired" would be determined by an agreement between generator plant and its pipeline.

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DSM-EE PROJECT – ASSIGNED TO RETAIL GAS, RETAIL ELECTRIC AND WHOLESALE ELECTRIC:

- **April 11, 2007:** Several representatives of the NAESB WEQ, REQ, and RGQ as well as representatives of the US Department of Energy, US Environmental Protection Agency, FERC, and other industry experts met at the Department of Energy offices in Washington, D.C. to discuss the NAESB effort to draft business practices for Demand Side Management and Energy Efficiency. Ongoing Energy Efficiency and DSM projects and programs by other groups (such as NAPEE) were reviewed by the meeting attendees. The following resolution outlines the scope of the initial effort by NAESB to draft business practice standards for these topics: It was decided that NAESB should begin its standards development focus on measurement and verification of energy savings and peak demand reduction from both a wholesale and retail electric market perspective. A future schedule of meetings for DSM and Energy Efficiency should be posted on the NAESB website shortly.
- **May 24, 2007:** 75 NAESB members, FERC, DOE, EEI, ISO and State regulatory personnel, experts in DSM and energy markets participants (22% more than the first meeting) met in person and by conference telephone at NAESB headquarters in Houston to refine the scope of Phase 1 activities, agreeing on a specific list of tasks and assigning subgroups of volunteers to work on each task. At this meeting, no less than 28 individuals spoke to the group.
- **June 18, 2007:**. 51 NAESB members, FERC, DOE, EEI, ISO and State regulatory personnel, experts in DSM and energy markets participants met in person and by conference telephone at BGE offices in Baltimore to further refine the scope of Phase 1 activities by reviewing the initial task list and revising it with more detailed deliverable requirements and dates, and with identification of base documents to support completing each task.
- **July 26, 2007:** 46 NAESB members, FERC, DOE, EEI, ISO and State regulatory personnel, experts in DSM and energy markets participants met in person and by conference telephone at AGA offices in Washington DC to present deliverables of existing demand response measurement and verification protocols and a list of 41 possible topics and subtopics for NAESB model business practices. The task force reviewed all 41 possibilities, deciding whether to draft MBPs and which ones can be grouped together.
- **September 14, 2007:** The results of the meeting including possible standards text were sent out for comment including notes, considerations and possible standards text. Comments were requested on each of the nine standards development areas including whether the remarks were directed to wholesale or retail markets, pre program evaluation or post implementation evaluation, or to DSM or EE projects.
- **September 25, 2007:** After discussing the comments on possible standards development areas, it was determined to focus on development of 3 matrices of DR program attributes, for programs currently in place or planned for (1) ISO/RTO markets, (2) wholesale electric markets not in ISO footprints, (3) for retail markets as there is a clear dependence to the two efforts above. In addition work is underway for a supporting glossary and a preamble to put the matrices, the glossary and any resulting standards in context. The group will not employ surveys. The matrices, once developed, will be sent out for industry comment as will the proposed standards and model business practices language resulting from the matrices. The comments will provide additional refinements and modifications to the proposed standards development.
- **Planned, November 30, 2007:** The following meeting of the DSM-EE group will be held in Richmond at he Dominion facilities.

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E-TARIFF STANDARDS DEVELOPMENT – ASSIGNED TO WHOLESALE GAS AND WHOLESALE ELECTRIC:

- **February 1, 2006 :** A meeting was held at the FERC, opened by Chairman Kelliher. Proposals from INGAA, EEI, AOPL and Texas Intrastate Association were given, along with a review by FERC staff of requirements to be met for an e-Tariff program.
- **March 13, 2007:** A meeting was held at NAESB offices, chaired by Keith Sappenfield and Jane Daly. The FERC staff further delineated their requirements and answered questions from EEI and INGAA. The group began drafting standards.
- **April 26, 2007:** The e-Tariff Subcommittee met in Washington DC hosted by AGA. During this meeting, FERC Staff reviewed their work paper Filing Field Data Example Submitted by FERC Staff and answered questions on what data will be required for submittal of electronic tariff and related documents. The pipeline segment also presented their proposed approach regarding development of e-Tariff standards. After further discussion, it was determined that the e-Tariff Subcommittee needed to schedule a conference call prior to the June 4 meeting to determine what approach the NAESB e-Tariff standards will take.
- **May 21, 2007:** The e-Tariff Subcommittee will meet via conference call for a one topic agenda – to determine the approach the NAESB e-Tariff standards will take. During the conference call, there was a unanimous decision to support the modified web portal approach.
- **June 4, 2007:** The group met in Phoenix, Arizona on June 4 hosted by Arizona Public Service. During this meeting, FERC Staff reviewed the individual data elements that would be required for e-Tariff filings. During this meeting, a motion was made to take a non binding straw vote to move forward with the document submitted by FERC staff that contained the required data elements. A motion was made to defer the first motion. The motion to defer passed the WEQ, but failed the WGQ.
- **July 10, 2007:** The e-Tariff Subcommittee met via conference call to adopt the minutes from the April 26, May 21, and June 4 meetings. The agenda for the July 27 meeting was also discussed during this call.
- **July 27, 2007:** The e-Tariff Subcommittee met in Washington, DC hosted by EEI. During this meeting, the e-Tariff Subcommittee voted to create an e-Tariff Technical Task Force; reviewed Draft Electronic Tariff Data Elements and Descriptions that will be forwarded to the e-Tariff Technical Task Force; and adopted a motion to take a straw poll that the e-Tariff Subcommittee is going to work on option A – the web portal option for e-Tariff submittals. The Draft Electronic Tariff Data Elements and Descriptions document will be used by the e-Tariff Technical Task Force for development of the xml schema that will be created in conjunction with the e-Tariff business practice standards.
- **August 20, 2007:** The e-Tariff Subcommittee met via conference call on August 20, 2007 from 12:00 PM to 4:00 PM Central. The agenda for this call was a single topic agenda to cover several items that were raised during the discussion of the metadata prior to the technical task force meeting on August 23-24. Additional discussion is needed to determine the definition and specifics for the metadata data elements: Line 8 – Database Identifier; Line 20 – Associated Filing; Line 30 – Document Security Level; Line 37 – Tariff Record Title; Line 38 – Tariff Record Number; Line 39 – Tariff Record Collation Value and Line 41 - Tariff Record Parent or Container Identifier.
- **August 23-24, 2007:** The first meeting of the e-Tariff Technical Task Force met on August 23-24, 2007 in Washington, DC hosted by FERC. During this meeting, FERC's contractor gave the Task Force an overview of the FERC Backend system processing of e-Tariff XML data, explained that the XML was chosen solely

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because it is in widespread use and emphasized that XML will be used solely to file documents at FERC, not to communicate between anyone else and needs no field for future expanded uses. The Task Force reviewed FERC's and WGQ's pipeline segment XML strawmen; and commenced severe shortening of the pipeline segment's XML strawman, chosen as best of breed. Mr. Brooks, ISO New England is co-chair of the e-Tariff Technical Task Force for the WEQ and Mr. Burden, Williams Gas Pipeline is co-chair of the e-Tariff Technical Task Force for the WGQ.

- **September 13-14, 2007:** The e-Tariff Technical Task Force met for the second time on September 13-14 in Houston at the NAESB offices ostensibly on the XML schema. Presentations were discussed on software and format of attachments to e-tariff filings. FERC representatives decreed that only ASCII binary machine language and one other format will be allowed. Pros and cons of six different formats were discussed, and FERC committed to settle on one format as well as state its versioning policy in writing. Discussion of "use cases" supporting the XML schema was truncated by the FERC representatives on the grounds that search, reformatting and the like are already built into FERC's database "behind the web filing portal" and again emphasized that XML will be used solely to file documents at FERC, not to communicate between anyone else and can have no future adaptive uses.
- **October 11-12, 2007:** The e-Tariff Subcommittee met in Houston hosted by NAESB. THe agenda included a review of the technical task force progress, addition of meta data elements to the schema, and discussion of versioning, accommodation of heades and footers, posting on eLibrary, aggregation of sheets to a filing, and development of use cases.
- **Planned, October 22-23, 2007:** The e-Tariff Technical Task Force imet in Holyoke, Massachusetts, hosted by ISO New England. The topics covered included an update on resolution of the eTariff issues (versioning, pagination,designation, headers and footers) and technical action items (XML schema changes, file formats, filing diagrams, designation of filing codes, download formats, and large files) , the writing of the technical sections of the TIBP, and development of use cases.
- **Planned, November 28-30, 2007:** The e-Tariff Technical Task Force is scheduled to meet in Phoenix, Arizona November 28-30, 2007 hosted by Arizona Public Service.
- **Planned, January 24-25, 2007:** The e-Tariff Subcommittee is scheduled to be held in Colorado Springs hosted by El Paso Western Pipelines.

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials
November 6, 2007

TAB 8

2007 WEQ Annual Plan

- The 2007 plan as approved by the Board of Directors at its September 2007 meeting is included. Should the WEQ EC determine that changes are to be made to the plan as a result of the subcommittee updates; a motion to approve the changes for forwarding to the Board for approval would be required. The motion would require a simple majority to pass.
- The materials in Tab 8 correspond to agenda item 6 for the WEQ EC agenda.

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NORTH AMERICAN ENERGY STANDARDS BOARD

2007 WEQ Annual Plan

Adopted by the Board of Directors on September 27, 2007

Item Description	Completion[1]	Assignment[2]
1 Develop business practices standards as needed to complement reliability standards		
Develop business practice standards to support and complement NERC reliability standards, NERC policies and NERC standards authorization requests (SARs) using the NERC/NAESB Coordination Joint Standards Development Process as appropriate. Current NAESB activities underway to develop business practice standards that are supportive of this annual plan item are:		
a) Make version 1 changes to business practices as requested.	Ongoing	BPS
i) Make changes to business practices as related to inclusion of the NERC Reliability Functional Model functional model entities as NERC undertakes the same efforts. Status: No requests.	As requested	BPS
b) Develop business practices to support Coordinate Interchange – R05020 "Include a guideline for rounding schedules with partial mWh's in the coordinate interchange business practice WEQ BPS-002-000" Status: Underway.	4th Q, 2007	BPS JISWG
c) Development of business practice standards for request no. R03017 (Operate within Limits) is transferred to provisional item #7 and will return to the active portion of the annual plan s NERC schedules are set.		
d) Develop business practices to support the reliability components of TLR.		
i) Version 0 Split of TLR business practices from reliability components. Status: Completed ratification and delayed publication and filing with FERC until NERC has had the opportunity to complete its split.	3rd Q, 2007	BPS
ii) Continuous support of TLR Procedure in alignment with NERC efforts including version 1 development. Status: Ongoing as NERC makes changes. R06002 completed and approved by the WEQ EC on 5-9-06.	Ongoing	BPS
iii) Complete version 1 TLR business practices. Status: Dependent on successful completion of NERC efforts – 1(d)(i).	3rd Q, 2007	BPS
e) Determine any needed NAESB action in support of the Interchange Distribution Calculator (IDC) and develop any necessary standards. Status: Not Started.	4th Q, 2007	BPS
f) Develop jointly with NERC a System Operators Reference Manual for TLR. Status: Underway. Dependent on completion of version 1 TLR BPs, 1(d)(i).	3rd Q, 2007	BPS

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NORTH AMERICAN ENERGY STANDARDS BOARD

2007 WEQ Annual Plan

Adopted by the Board of Directors on September 27, 2007

	Item Description	Completion[1]	Assignment[2]
2	**Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform)**		
a)	Develop version 1 business practice standards to better coordinate the use of the transmission system among neighboring transmission providers. Such business practice standards would be based on recommendations from NERC's Long Term ATC/AFC Task Force and would involve revised procedures for the ATC calculation and/or revised protocols as determined by the final order. Status: Underway using joint standards development process with NERC. Request R050004 was expanded to include the OATT NOPR items (NOPR, Docket Nos. RM05-25-000 and RM05-17-000, "Preventing Undue Discrimination and Preference in Transmission Services", issued May 19, 2006).	2007	BPS/ESS
i)	Group 0: Resales Status: Completed. Recommendation adopted at May 8, 2007 WEQ EC meeting. Ratification ballot posted on June 22, 2007.	2nd Q, 2007	ESS/ITS
ii)	Group 1: Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority Status: Underway	3rd Q, 2007[3]	ESS/ITS
iii)	Group 2: Metrics; Redispatch Cost Posting Status: Not Started	4th Q, 2007	ESS/ITS
iv)	Group 3: Network Service On OASIS Status: Not Started	4th Q, 2007	ESS/ITS
v)	Group 4: Pre-Emption; Request No. R05019; and Revisions to Standard 9.7 Status: Not Started	1st Q, 2008	ESS/ITS
vi)	Group 5: Paragraph 1377 Status: Not Started	1st Q, 2008	ESS/ITS
vii)	Group 6: Miscellaneous (Paragraphs 1390 and 1627 of Order 890) Status: Not Started	2nd Q, 2008	ESS/ITS
b)	Develop the needed business practices as companion to the NERC standards for ATC related efforts.		
i)	Develop standards to support existing Request No. R05004. Status: Underway	4th Q, 2007	BPS/ESS

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2007 WEQ Annual Plan
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	Item Description	Completion[1]	Assignment[2]
ii)	Develop the Business Practice Standards complementary to NERC Reliability Standards for **Existing Transfer Capability (ETC)** to create a "consistent approach for determining the amount of transfer capability a transmission provider may set aside for its native load and other committed uses", including the elements of ETC for full implementation of the NERC MOD-001 reliability standard Status: Not Started.	3rd Q, 2007[4]	BPS/ESS
iii)	**Capacity Benefit Margin (CBM) Business Practices** • Business practice standards to set forth "how the CBM value shall be determined, allocated across transmission paths, and used" and how transmission providers will "reflect the set-aside of transfer capability as CBM in the development of the rate for point-to-point transmission service." Status: Underway. • Business practice standards that include an OASIS mechanism to "allow for auditing of CBM usage." Status: Underway. • Any additional business practice standards needed to complement the NERC CBM reliability standards (MOD004) created as a result of this effort Status: Underway	4th , 2007[5]	BPS/ESS
iv)	**Transmission Reliability Margin Business Practices:** • Transmission Reliability Margin (TRM): Business Practice Standards to complement the NERC reliability standards for TRM Status: Underway • The business practice standards will include specification of the appropriate uses of TRM and when transmission providers may set aside TRM • Any additional business practice standards needed to complement the NERC TRM reliability standards (MOD008) created as a result of this effort Status: Underway	4th Q, 2007[6]	BPS/ESS

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	Item Description	Completion[1]	Assignment[2]
v)	Business Practice Standards for ATC and AFC Calculation Methodologies to complement the NERC reliability standards created for ATC and AFC Methodologies (NERC MOD001 (Available Transfer Capability); NERC MOD028 (Network Response Available Transfer Capability); NERC MOD029 (Rated System Path Available Transfer Capability); and NERC MOD030 (Flowgate Network Response Available Transfer Capability)): • Business practice standards to address the frequency and posting requirements for all ATC components that are complementary to the related NERC reliability standards • Business practice standards for data exchange for ATC modeling complementary to the related NERC reliability standards including any OASIS posting requirements to achieve the data exchange • Business practice standards that will set forth how transmission providers will post "explanations of the reason for a change in monthly and yearly ATC values on a constrained path." The standards will include a requirement that that the transmission provider post the reason for the change in a narrative form. The posted information will include "the (1) specific events which gave rise to the change and (2) new values for ATC on that path (as opposed to all points on the network)." • Business practice standards for posting on OASIS of the "underlying load forecast assumptions for all ATC calculations" • Business practice standards for posting on OASIS of the "actual daily peak load for the prior day." • Business practice standards for accounting for counterflows. These standards will be included in the ATC business practice standards. (The group determined that this will be addressed as part of Annual Plan item 2(b)(ii). Status: Underway	4th Q, 2007[7]	BPS/ESS
vi)	• Business practice standards to complement NERC reliability standards for Transfer Capability in response to new NERC Supplemental SAR: Revisions to Existing Standards MOD001-MOD009, FAC12-13 Status: Underway • Business practice standards to set forth the procedure for input on TTC and ATC methodologies and values. (During the Order 890 NERC and NAESB joint standards development effort, it was determined that the standards contained in MOD003 should be business practice standards instead of reliability standards. NERC has requested that NAESB adopt the standards as business practices via correspondence to Ms. McQuade, NAESB President.)	4th Q, 2007	BPS/ESS

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	Item Description	Completion[1]	Assignment[2]
	Status: Underway		
c)	Develop version 1 business practice standards to support transparency reporting and related functions that may be required as a result of the final order. Status: Not Started.	TBD	BPS/ESS
3	**Develop business practices standards to improve the current operation of the wholesale electric market and develop and maintain business practice and communication standards for OASIS and Electronic Scheduling**		
a)	Develop and/or maintain business practice standards as needed for OASIS and electronic scheduling. Specific items to address include:		
i)	Develop OASIS S&CP changes to support OASIS business practices:		
1)	Implementation of S&CP changes to support "relinquish" mechanism to complement non-firm redirects (R04006C1). Status: Complete – approved by the WEQ EC on 2-6-07.	1st Q, 2007	ESS/ITS
2)	Implementation of S&CP changes to support Standards of Conduct business practices. Status: Complete – approved by the WEQ EC on 2-6-07.	1st Q, 2007	ESS/ITS
ii)	Network Services: Determine and develop needed business practice standards or other support is needed to support use of OASIS for Network Service transactions (R04006E). Status: Underway.	4th Q, 2007	ESS/ITS
iii)	Registry: Determine and develop needed business practice standards to support the registry functions currently supported by NERC (R04037). Status: Underway.	4th Q, 2007	JISWG
iv)	Identify e-Tag enhancements to support business practices (including e-Tag specification changes) (R05018). Status: Complete.	3rd Q, 2007	JISWG
v)	Document procedures used to implement the displacement/interruption terms of the Pro Forma tariff (R05019). Status: Not Started.(Related to request R05004)	4th Q, 2007	ESS/ITS
vi)	Make incremental enhancements to OASIS as an outgrowth of the NAESB March 29, 2005 conference on the future of OASIS (R05026). Status: Underway. Scoping statement completed by SRS, assignments made,	2008	Various

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		Item Description	Completion[1]	Assignment[2]
		and clarifications requested from the submitter.		
	vii)	Respond to issues in FERC Order No. 676 (Docket No. RM05-5-000) – NAESB WEQ Standards 001 9.7, (paragraph 51 of the order). Status: Underway. Assigned to group 4, reference 2007 WEQ AP item 2(a)(v)	1st Q, 2008	ESS/ITS
b)		Develop and/or maintain standard communication protocols and cyber-security business practices as needed.		
	i)	Address the surety assessment findings on NAESB PKI standards. Status: Complete, will be provided as a response to the U.S. DoE upon completion by the WGQ for their response to the findings.	1st Q, 2008	JISWG
	ii)	Develop PKI standards for OASIS. Status: Not Started.	4th Q, 2007	ESS
	iii)	Develop PKI Standards for e-tagging. Status: Underway.	4th Q, 2007	JISWG
	iv)	Develop enhanced Electric Industry Registry (EIR), (R06027) Status: Underway.	4th Q, 2007	JISWG
c)		Develop needed business practice standards for organization/company codes for NAESB standards – and address current issues on the use of DUNs numbers. Status: Underway.	3rd Q, 2007	NAESB Staff with WEQ support
4		**Review and develop business practices standards as applicable to address seams issues**		
a)		Review and evaluate entries in existing Seams Catalog and identify possible business practices development. Status: Complete – survey results indicated that all existing seams issues were being addressed internally by ISOs and RTOs.	2nd Q, 2007	Seams
b)		Develop business practice standards as identified from the review of the seams catalog. Status: Complete – no possible business practice development identified to address seams issues. All existing seams issues being addressed internally by ISOs and RTOs.	2nd Q, 2007	Not assigned
5		**Review and develop business practices standards to support e-Tariff program**		
		Develop business practices as needed to support the e-Tariff program including submittal of tariffs and metadata. (Docket No RM05-1-000) Status: Underway.	4th Q, 2007	Joint WEQ/WGQ e-Tariff Subcommittee

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	Item Description	Completion[1]	Assignment[2]
6	**Review and develop business practices standards to Demand Response, Demand Side Management and Energy Efficiency Programs**		
	Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program.	2008	Joint WEQ/Retail DSM-EE Subcommittee
	Status: Underway.		

PROVISIONAL ITEMS

1 Develop and or modify business practices related to support of NERC effort on the NERC Resources and Transmission Adequacy and Inadvertent Interchange Data Standards BAL-006 revisions.

2 Develop business practice standards as requested by the regional and state advisory groups.

3 Using the NERC Interconnected Operations Services reference document (March 2002, version 1.1) as a guide and starting point, develop business practices as necessary for ancillary services and/or interconnected operating services transactions.

4 Develop business practice standards as related to the Effectiveness Study of Competitive Wholesale Markets (Congressional Mandate), Electric Energy Market Competition Task Force, Docket No. AD05-17-000, issued by the FERC on October 13, 2005.

5 Develop and or modify business practices as requested by FERC related to gas-electric coordination issues in Docket No. RM05-5-001, "Standards for business practices for Interstate Natural Gas Pipelines", "Standards for Business Practices for Public Utilities," issued October 25, 2006 and related order on inquiry, "Order Instituting Inquiries into Gas-Electric Coordination Issues," also issued on October 25, 2006.

6 Develop and/or maintain business practice standards to support gas-electric interdependencies

- Respond to requests as received that are related to Docket No. RM05-28-000.
- Respond directives related to the conclusions of the NAESB reports submitted in Docket No. RM05-28-000.

7 Develop business practice standards to support Operate Within Limits (R03017) as coordinated with the NERC schedule on the same development for reliability standards.

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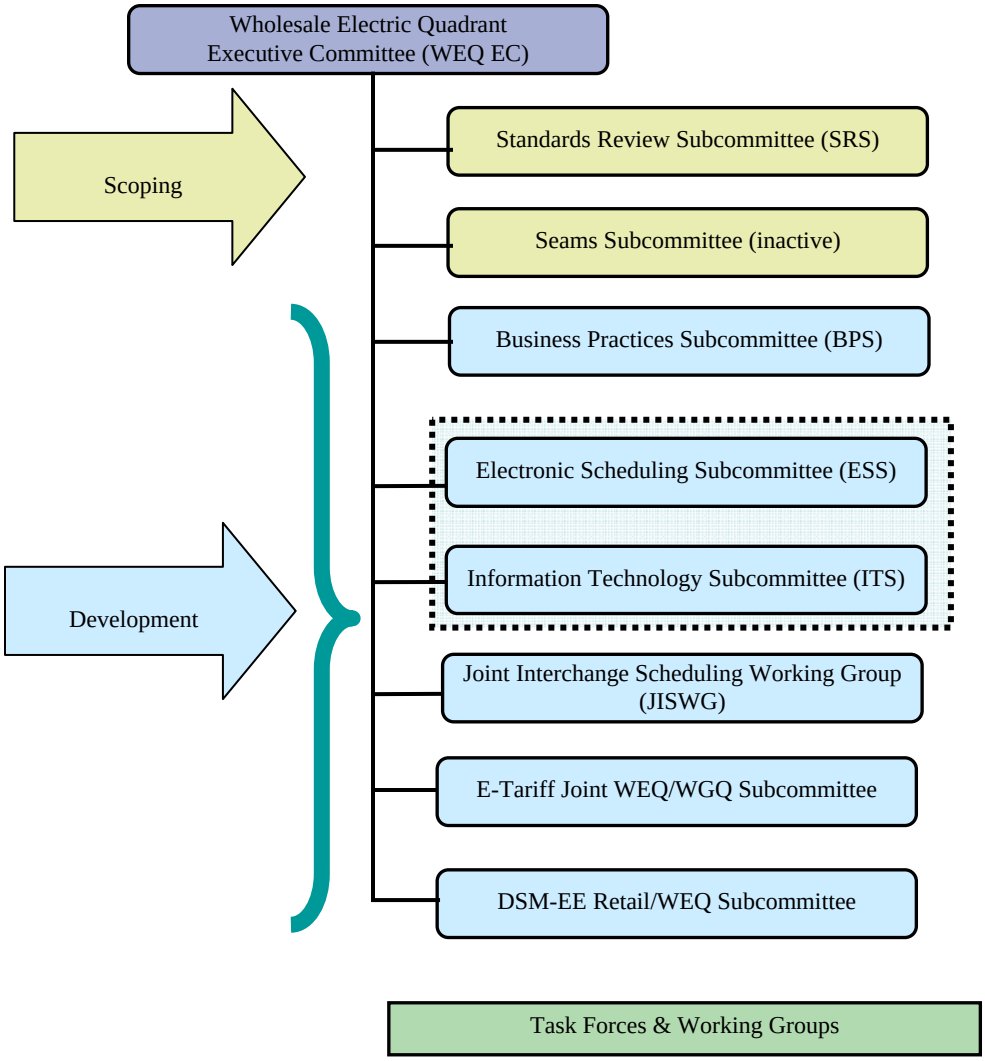

NAESB WEQ EC and Subcommittee Leadership:

Executive Committee: Kathy York (WEQ EC Chair) and Clay Norris (WEQ EC Vice Chair)

Standards Review Subcommittee: Raj Rana, Narinder Saini

Seams Subcommittee: Robert Schwermann (inactive)

Business Practices Subcommittee & Task Forces: Kathy York & Jim Busbin

Electronic Scheduling Subcommittee/Information Technology Subcommittee & Task Forces: Paul Sorenson, J.T. Wood

Joint Interchange Scheduling Working Group (JISWG): Bob Harshbarger (NAESB), Jim Hansen (NERC)

e-Tariff Joint WEQ/WGQ Subcommittee (e-Tariff): Jane Daly (WEQ), Keith Sappenfield (WGQ)

DSM-EE Joint Retail/WEQ Subcommittee: Ruth Kiselewich and David Koogler (Retail), Roy True and Paul Wattles (WEQ)

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End Notes:

[1] Dates in the completion column are by end of the quarter for completion by the assigned committee. The dates do not necessarily mean that the standards are fully staffed so as to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.

[2] The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

[3] The chairs of the ESS/ITS working on Order 890 OASIS issues modified the completion date from 3rd Quarter 2007 to 4th Quarter 2008 on 8-21-07.

[4] The BPS/ESS groups working on Order 890 modified the completion date from 3rd to 4th Quarter 2007 for item 2(b)(ii) addressing ETC business practices development after the WEQ EC approved the other suggested changes in the WEQ 2007 Annual Plan on 8-14-07.

[5] The BPS/ESS groups working on Order 890 modified the completion date from 3rd to 4th Quarter 2007 for item 2(b)(iii) addressing CBM business practices development after the WEQ EC approved the other suggested changes in the WEQ 2007 Annual Plan on 8-14-07.

[6] The BPS/ESS groups working on Order 890 modified the completion date from 3rd to 4th Quarter 2007 for item 2(b)(iv) addressing TRM business practices development after the WEQ EC approved the other suggested changes in the WEQ 2007 Annual Plan on 8-14-07.

[7] The BPS/ESS groups working on Order 890 modified the completion date from 3rd to 4th Quarter 2007 for item 2(b)(v) addressing ATC and TTC business practices development related to NERC MOD001, MOD028, MOD029 and MOD0303 after the WEQ EC approved the other suggested changes in the WEQ 2007 Annual Plan on 8-14-07.

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials
November 6, 2007

TAB 9

2008 WEQ Annual Plan

- The review and adoption of a 2008 plan is included. A number of actions plan items will carry over from 2007 to 2008. The motion to adopt the 2008 plan will require a simple majority to pass. Included is:
  - The proposed WEQ 2008 Annual Plan redlined from 2007
  - The proposed WEQ 2008 Annual Plan without redlines
  - Comments from Bonneville Power Administration
- The materials in Tab 9 correspond to agenda item 7 for the WEQ EC agenda.

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NORTH AMERICAN ENERGY STANDARDS BOARD

Proposed 2008~~2007~~ WEQ Annual Plan Prepared October 29, 2007

Presented to the WEQ Executive Committee on November 6, 2007~~Adopted by the Board of Directors on September 27, 2007~~

	Item Description	Completion[1]	Assignment[2]
1	**Develop business practices standards as needed to complement reliability standards**		
	Develop business practice standards to support and complement NERC reliability standards, NERC policies and NERC standards authorization requests (SARs) using the NERC/NAESB Coordination Joint Standards Development Process as appropriate. Current NAESB activities underway to develop business practice standards that are supportive of this annual plan item are:		
a)	Make version ~~1~~ 2 changes to business practices as requested.	Ongoing	BPS
i)	Make changes to business practices as related to inclusion of the NERC Reliability Functional Model functional model entities as NERC undertakes the same efforts. Status: No requests.	As requested	BPS
ii)	Continuous support of TLR Procedure in alignment with NERC efforts on TLR Phase II and Phase III which would be included in version 2 development.[1] Status: Ongoing as NERC makes changes.	~~4th Q, 2008/1st Q 2009~~Ongoing	BPS[2]
b)	Develop business practices to support Coordinate Interchange – R05020 "Include a guideline for rounding schedules with partial mWh's in the coordinate interchange business practice WEQ BPS-002-000" Status: Underway.	4th Q, 2007	BPS, JISWG
c)	Operate Within Limits (R03017) as coordinated with the NERC schedule on the same development for reliability standards		
i)	~~Review the need to develop business practice standards to supp~~ Review the need to develop business practice standards to support Operate Within Limits (R03017)	2nd Q, 2008	SRS

[1] For additional information, please see: http://www.naesb.org/pdf3/weq_bps100407w4.ppt for Phase II changes and http://www.naesb.org/pdf2/weq_bps070907w4.doc for Phase III changes

[2] Joint Development Procedure to be used by the NERC TLR Drafting Team and NAESB BPS

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	Item Description	Completion[1]	Assignment[2]
	~~ort Operate Within Limits (R03017)~~		
	ii)~~Develop~~ Develop business practice standards to support Operate Within Limits (R03017)	4th Q, 2008	BPS
	~~Development of business practice standards for request no. R03017 (Operate within Limits) is transferred to provisional item #7 and will return to the active portion of the annual plan s NERC schedules are set.~~		
	~~Develop business practices to support the reliability components of TLR.~~		
	~~i)~~ Prepare recommendations for ~~Determine~~ future path for TLR in concert with NERC, which may include a~~A~~lternative c~~C~~ongestion m~~M~~anagement p~~P~~rocedures[3] ~~in concert with NERC~~Version 0 Split of TLR business practices from reliability components. ~~Status: Completed ratification and delayed publication and filing with FERC until NERC has had the opportunity to complete its split.~~	~~TBD~~3~~rd~~4th Qtr 2008 ~~Q, 2007~~	BPS, ESS-ITS[4] ~~BPS~~

[3] For additional information, please see comments submitted by PJM and MISO for this Annual Plan Item: http://www.naesb.org/pdf3/weq_aplan102907w1.pdf
[4] Joint Development Procedure to be used by the NERC TLR Drafting Team and NAESB BPS and ESS/ITS

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	Item Description	Completion[1]	Assignment[2]
	~~ii) Continuous support of TLR Procedure in alignment with NERC efforts including version 1 2 development.~~ ~~Status: Ongoing as NERC makes changes. R06002 completed and approved by the WEQ EC on 5-9-06.~~	~~Ongoing~~	~~BPS~~
	~~iii) Complete version 1 TLR business practices.~~ ~~Status: Dependent on successful completion of NERC efforts – 1(d)(i).~~	~~3rd Q, 2007~~	~~BPS~~
	e) Determine any needed NAESB action in support of the Interchange Distribution Calculator (IDC) and develop any necessary standards. Status: Not Started.	4th Q, ~~2007~~2008	BPS
	~~f) Review Market System Back-Up existing language and review of existing back-up language~~		
	~~g) Review and Evaluation of whether to cutoff or put a size limit on the entities for which the standards apply~~		
	~~f) Develop jointly with NERC a System Operators Reference Manual for TLR.~~ ~~Status: Underway. Dependent on completion of version 1 TLR BPs, 1(d)(i).~~	~~3rd Q, 2007~~	~~BPS~~
2	**Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform)**		
	a) Develop version 1 business practice standards to better coordinate the use of the transmission system among neighboring transmission providers. Such business practice standards would be based on recommendations from NERC's Long Term ATC/AFC Task Force and would involve revised procedures for the ATC calculation and/or revised protocols as determined by the final order. Status: Underway using joint standards development process with NERC. Request R050004 was expanded to include the OATT NOPR items (NOPR, Docket Nos. RM05-25-000 and RM05-17-000, "Preventing Undue Discrimination and Preference in Transmission Services", issued May 19, 2006).	~~2007~~	~~BPS/ESS~~
	~~i) Group 0: Resales~~ ~~Status: Completed. Recommendation adopted at May 8, 2007 WEQ EC meeting. Ratification ballot posted on June 22, 2007.~~	~~2nd Q, 2007~~	~~ESS/ITS~~
	~~i~~i) Group 1: Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority Status: Underway	3rd Q, 2007[3]	~~ESS/ITS~~ESS/ ITS
	~~i~~ii) Group 2: Metrics; Redispatch Cost Posting Status: Not Started	4th Q, 2007	~~ESS/ITS~~ESS/ ITS

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	Item Description	Completion[1]	Assignment[2]
i~~v~~ii)	Group 3: Network Service On OASIS Status: Not Started	4th Q, 2007	ESS/ITS
iv)	Group 4: Pre-Emption; Request No. R05019; and Revisions to Standard 9.7 Status: Not Started	1st Q, 2008	ESS/ITS
v~~i~~)	Group 5: Paragraph 1377 Status: Not Started	1st Q, 2008	ESS/ITS
vi~~i~~)	Group 6: Miscellaneous (Paragraphs 1390 and 1627 of Order 890) Status: Not Started	2nd Q, 2008	ESS/ITS
b)	Develop the needed business practices as companion to the NERC standards for ATC related efforts.		
i)	Develop standards to support existing Request No. R05004. Status: Underway	4th Q, 2007	BPS/ESS
ii)	Develop Business Practice Standards for **Existing Transfer Capability (ETC)**	TBD	BPS/ESS
~~ii)~~	• Develop the Business Practice Standards complementary to NERC Reliability Standards for **Existing Transfer Capability (ETC)** to create a "consistent approach for determining the amount of transfer capability a transmission provider may set aside for its native load and other committed uses", including the elements of ETC for full implementation of the NERC MOD-001 reliability standard. The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development. Status: Not Started.	~~3rd Q, 2007~~[4] ~~TBD~~	~~BPS/ESS~~
	• Business practice standards for accounting for counterflows. These standards will be included in the ATC business practice standards. The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development. Status: Underway	~~TBD~~	
iii)	**Capacity Benefit Margin (CBM) Business Practices**		~~BPS/ESS~~
	Some of the Completion dates for these items may be changed if NERC timelines for Order 890 are changed:		

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	Item Description	Completion[1]	Assignment[2]
	• Business practice standards to set forth "how the CBM value shall be determined, allocated across transmission paths, and used" and how transmission providers will "reflect the set-aside of transfer capability as CBM in the development of the rate for point-to-point transmission service." The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development. Status: Underway.	TBD	BPS/ESS
	• Business practice standards that include an OASIS mechanism to "allow for auditing of CBM usage." The business practices developed to address this item will not require to coordination with the NERC Order 890 reliability standards development. Status: Underway.	4th Q, 2007	BPS/ESS
	• Any additional business practice standards needed to complement the NERC CBM reliability standards (MOD004) created as a result of this effort. The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development. Status: Underway	TBD	BPS/ESS
iv)	**Transmission Reliability Margin Business Practices:** *Some of the Completion dates for these items may be changed if NERC timelines for Order 890 are changed*:	~~4th Q, 2007[5]~~	~~BPS/ESS~~
	• Transmission Reliability Margin (TRM): Business Practice Standards to complement the NERC reliability standards for TRM. The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development. Status: Underway	TBD	BPS/ESS
	• The business practice standards will include specification of the appropriate uses of TRM and when transmission providers may set aside TRM. The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development	TBD	BPS/ESS

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Item Description	Completion[1]	Assignment[2]
• Any additional business practice standards needed to complement the NERC TRM reliability standards (MOD008) created as a result of this effort. The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development Status: Underway	TBD	BPS/ESS

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	Item Description	Completion[1]	Assignment[2]
v)	Business Practice Standards for ATC and AFC Calculation Methodologies to complement the NERC reliability standards created for ATC and AFC Methodologies (NERC MOD001 (Available Transfer Capability); NERC MOD028 (Network Response Available Transfer Capability); NERC MOD029 (Rated System Path Available Transfer Capability); and NERC MOD030 (Flowgate Network Response Available Transfer Capability)): *Some of the Completion dates for these items may be changed if NERC timelines for Order 890 are changed*: • Business practice standards to address the frequency and posting requirements for all ATC components that are complementary to the related NERC reliability standards. The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development. • Business practice standards for data exchange for ATC modeling complementary to the related NERC reliability standards including any OASIS posting requirements to achieve the data exchange. The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development. • Business practice standards that will set forth how transmission providers will post "explanations of the reason for a change in monthly and yearly ATC values on a constrained path." The standards will include a requirement that that the transmission provider posts the reason for the change in a narrative form. The posted information will include "the (1) specific events which gave rise to the change and (2) new values for ATC on that path (as opposed to all points on the network)." The business practices developed to address this item will not require to coordination with the NERC Order 890 reliability standards development. • Business practice standards for posting on OASIS of the "underlying load forecast assumptions for all ATC calculations". The business practices developed to address this item will not require to coordination with the NERC Order 890 reliability standards development • Business practice standards for posting on OASIS of the "actual daily peak load for the prior day."	4th Q, 2007[6]	BPS/ESS

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	Item Description	Completion[1]	Assignment[2]
	The business practices developed to address this item will not require to coordination with the NERC Order 890 reliability standards development		
vi)	Business practice standards to complement NERC reliability standards for Transfer Capability in response to new NERC Supplemental SAR: Revisions to Existing Standards MOD001-MOD009, FAC12-13 This item was added as a result of the Supplemental SAR NERC created in case additional business practices are needed as a result of the work on this SAR by NERC. It does not have a cite in Order 890. This item will require coordination with the NERC Order 890 reliability standards development. Status: Underway	~~4th Q, 2007~~TBD	BPS/ESS
vii)	Business practice standards to set forth the procedure for input on TTC and ATC methodologies and values. (During the Order 890 NERC and NAESB joint standards development effort, it was determined that the standards contained in MOD003 should be business practice standards instead of reliability standards. NERC has requested that NAESB adopt the standards as business practices via correspondence to Ms. McQuade, NAESB President.) This item will require coordination with the NERC Order 890 reliability standards development because the language to address this item is contained within a draft standards that addresses items that are dependent on NERC deliverables, i.e., the requirements to create an "ATC Information Link" on OASIS. There is no Order 890 cite for this item. Status: Underway	TBD	BPS/ESS
c)	Develop version 1 business practice standards to support transparency reporting and related functions that may be required as a result of the final order. Status: Not Started.	TBD	BPS/ESS
3	**Develop business practices standards to improve the current operation of the wholesale electric market and develop and maintain business practice and communication standards for OASIS and Electronic Scheduling**		
a)	Develop and/or maintain business practice standards as needed for OASIS and electronic scheduling. Specific items to address include:		
i)	Develop OASIS S&CP changes to support OASIS business practices.~~:~~ Status: Dependent on development of OASIS business practices.	Ongoing	ESS/ITS
~~1)~~	~~Implementation of S&CP changes to support "relinquish" mechanism to complement non-firm redirects (R04006C1).~~ ~~Status: Complete – approved by the WEQ EC on 2-6-07.~~	~~1st Q, 2007~~	~~ESS/ITS~~

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		Item Description	Completion[1]	Assignment[2]
	~~2)~~	~~Implementation of S&CP changes to support Standards of Conduct business practices.~~ ~~Status: Complete – approved by the WEQ EC on 2-6-07.~~	~~1st Q, 2007~~	~~ESS/ITS~~
ii)		Network Services: Determine and develop needed business practice standards or other support is needed to support use of OASIS for Network Service transactions (R04006E). Status: Underway.	4th Q, 2007	ESS/ITS
iii)		Registry (TSIN): Determine and develop needed business practice standards to support the registry functions currently supported by NERC (R04037). Status: Underway.	~~4th Q, 2007~~4th Q 2008	JISWG
	1)	Work with the NAESB counsel to develop a confidentiality agreement		JISWG
	2)	Transition the TSIN Registry from NERC to NAESB.		JISWG
	3)	Review and correct the Coordinate interchange Business Practice Standard as noted during the development of the e-Tag 1.8 development process.		JISWG
~~iv)~~		~~Identify e-Tag enhancements to support business practices (including e-Tag specification changes) (R05018).~~ ~~Status: Complete.~~	~~3rd Q, 2007~~	~~JISWG~~
v)		Document procedures used to implement the displacement/interruption terms of the Pro Forma tariff (R05019). Status: Not Started.(Related to request R05004)	4th Q, 2007	ESS/ITS
vi)		Make incremental enhancements to OASIS as an outgrowth of the NAESB March 29, 2005 conference on the future of OASIS (R05026). Status: Underway. Scoping statement completed by SRS, assignments made, and clarifications requested from the submitter.	2008	Various
vii)		Respond to issues in FERC Order No. 676 (Docket No. RM05-5-000) – NAESB WEQ Standards 001 9.7, (paragraph 51 of the order). Status: Underway. Assigned to group 4, reference 2007 WEQ AP item 2(a)(v)	1st Q, 2008	ESS/ITS
b)		Develop and/or maintain standard communication protocols and cyber-security business practices as needed.		
i)		Address the surety assessment findings on NAESB PKI standards. Status: Complete, will be provided as a response to the U.S. DoE upon completion by the WGQ for their response to the findings.	1st Q, 2008	JISWG
ii)		Develop PKI standards for OASIS.	4th Q, 2007	ESS

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	Item Description	Completion[1]	Assignment[2]
	Status: Not Started.		
iii)	Develop PKI Standards for e-tagging. Status: Underway.	4th Q, 2007	JISWG
iv)	Develop enhanced Electric Industry Registry (EIR), (R06027) Status: Underway.	4th Q, 2007	JISWG
c)	Develop needed business practice standards for organization/company codes for NAESB standards – and address current issues on the use of DUNs numbers. Status: Underway.	~~3rd~~ 4th Q, 2007	NAESB Staff with WEQ support
~~4~~	**~~Review and develop business practices standards as applicable to address seams issues~~**		
~~a)~~	~~Review and evaluate entries in existing Seams Catalog and identify possible business practices development.~~ ~~Status: Complete – survey results indicated that all existing seams issues were being addressed internally by ISOs and RTOs.~~	~~2nd Q, 2007~~	~~Seams~~
~~b)~~	~~Develop business practice standards as identified from the review of the seams catalog.~~ ~~Status: Complete – no possible business practice development identified to address seams issues. All existing seams issues being addressed internally by ISOs and RTOs.~~	~~2nd Q, 2007~~	~~Not assigned~~
~~5~~4	**Review and develop business practices standards to support e-Tariff program**		
	Develop business practices as needed to support the e-Tariff program including submittal of tariffs and metadata. (Docket No RM05-1-000) Status: Underway.	~~4th Q, 2007~~1st Q 2008	Joint WEQ/WGQ e-Tariff Subcommittee
~~6~~5	**Review and develop business practices standards to Demand Response, Demand Side Management and Energy Efficiency Programs**		
	Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program. ~~Status: Underway.~~	2008	Joint WEQ/Retail DSM-EE Subcommittee
a)	Develop matrix and business practice standards for measurement and verification for demand response programs in ISO/RTO footprint areas. Status: Underway		

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Item Description	Completion[1]	Assignment[2]
b) Develop matrix and business practice standards for measurement and verification for demand response programs in non-ISO/RTO footprint areas. Status: Underway		
c) Develop preamble for business practice standards for measurement and verification for demand response and energy efficiency programs. Status: Underway		
d) Develop glossary for business practice standards Status: Underway		
e) Support retail development of matrix and model business practice standards for measurement and verification for demand response programs Status: Underway		
f) Develop business practice standards to measure and verify energy reductions that are made to comply with a Renewable Portfolio Standard that included energy efficiency or a stand-alone Energy Efficiency Portfolio Standard. Status: Not Started		
g) Develop business practice standards to factor Demand Control and Energy Efficiency programs into reliability / supply decisions at the wholesale level for generation and transmission planning and operations. Status: Not Started.		
h) Develop business practice standards for cap and trade programs for green house gas Status: Not Started.		
PROVISIONAL ITEMS		
1 Develop and or modify business practices related to support of NERC effort on the NERC Resources and Transmission Adequacy and Inadvertent Interchange Data Standards BAL-006 revisions.		
2 Develop business practice standards as requested by the regional and state advisory groups.		
~~3 Using the NERC Interconnected Operations Services reference document (March 2002, version 1.1) as a guide and starting point, develop business practices as necessary for ancillary services and/or interconnected operating services transactions.~~		
~~4~~3 Develop business practice standards as related to the Effectiveness Study of Competitive Wholesale Markets (Congressional Mandate), Electric Energy Market Competition Task Force, Docket No. AD05-17-000, issued by the FERC on October 13, 2005.		
~~5 Develop and or modify business practices as requested by FERC related to gas-electric coordination issues in Docket No. RM05-5-001, "Standards for business practices for Interstate Natural Gas Pipelines", "Standards for Business Practices for~~		

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	Item Description	Completion[1]	Assignment[2]
	~~Public Utilities," issued October 25, 2006 and related order on inquiry, "Order Instituting Inquiries into Gas-Electric Coordination Issues," also issued on October 25, 2006.~~		
~~5~~6 4	Develop and/or maintain business practice standards to support gas-electric interdependencies		
~~5~~	• Respond to requests as received that are related to Docket No. RM05-28-000. • Respond directives related to the conclusions of the NAESB reports submitted in ~~Docket No. RM05-28-000~~FERC Order No. 698, Docket Nos. RM05-5-001 and RM96-1-027.		
~~7~~	~~Develop business practice standards to support Operate Within Limits (R03017) as coordinated with the NERC schedule on the same development for reliability standards.~~		
~~7~~5	Review Market System Back-Up existing language and review of existing back-up language		
~~8~~6	Review and Evaluation of whether to cutoff or put a size limit on the entities for which the standards apply		

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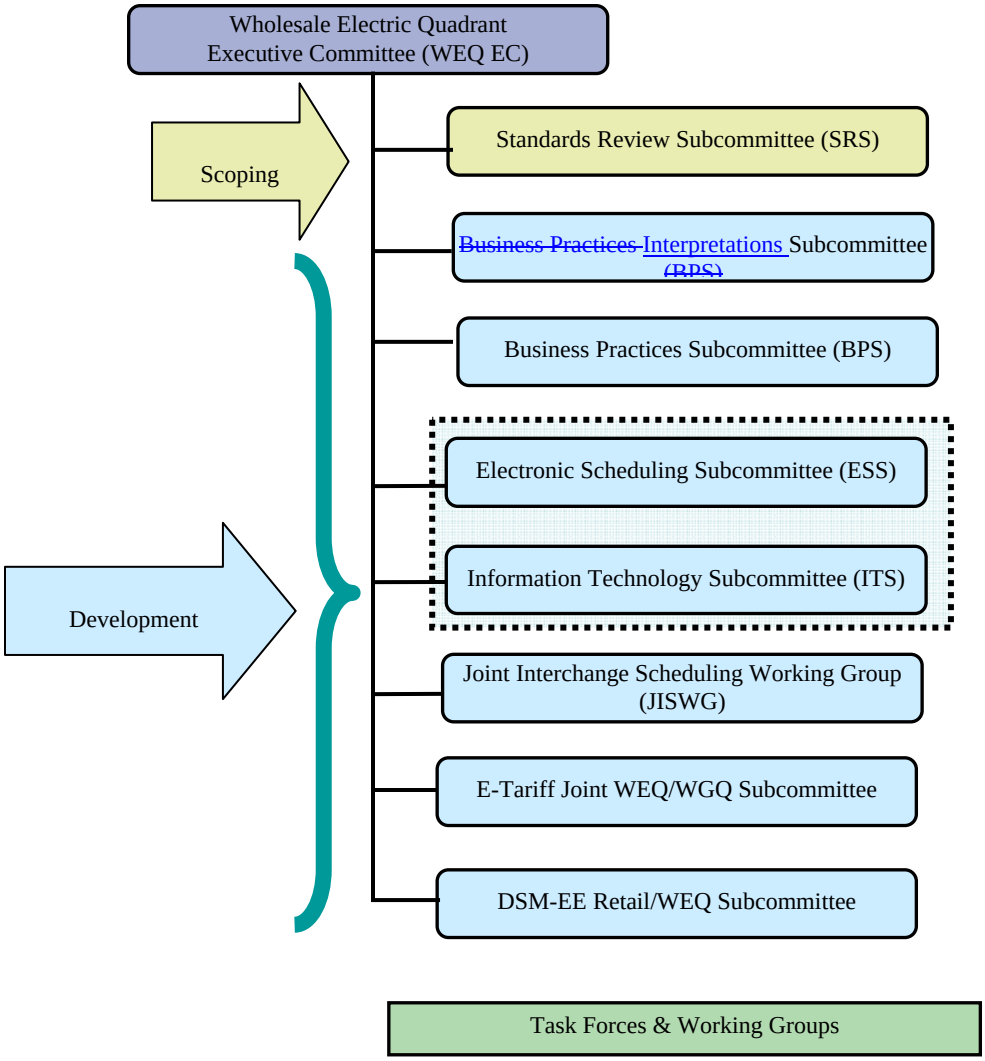

NAESB WEQ EC and Subcommittee Leadership:

Executive Committee: Kathy York (WEQ EC Chair) and Clay Norris (WEQ EC Vice Chair)

Standards Review Subcommittee: Raj Rana, Narinder Saini

Interpretations Subcommittee: Robert Schwermann

~~Seams Subcommittee: Robert Schwermann (inactive)~~

Business Practices Subcommittee & Task Forces: Kathy York & Jim Busbin

Electronic Scheduling Subcommittee/Information Technology Subcommittee & Task Forces: Paul Sorenson, J.T. Wood, Marcie Otondo

Joint Interchange Scheduling Working Group (JISWG): Bob Harshbarger (NAESB), Jim Hansen (NERC)

e-Tariff Joint WEQ/WGQ Subcommittee (e-Tariff): Jane Daly (WEQ), Keith Sappenfield (WGQ)

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DSM-EE Joint Retail/WEQ Subcommittee: Ruth Kiselewich and David Koogler (Retail), Roy True and Paul Wattles (WEQ)

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End Notes:

[1] Dates in the completion column are by end of the quarter for completion by the assigned committee. The dates do not necessarily mean that the standards are fully staffed so as to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.

[2] The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.

[3] The chairs of the ESS/ITS working on Order 890 OASIS issues modified the completion date from 3rd Quarter 2007 to 4th Quarter 2008 on 8-21-07.

[4] ~~The BPS/ESS groups working on Order 890 modified the completion date from 3rd to 4th Quarter 2007 for item 2(b)(ii) addressing ETC business practices development after the WEQ EC approved the other suggested changes in the WEQ 2007 Annual Plan on 8-14-07.~~

[5] ~~The BPS/ESS groups working on Order 890 modified the completion date from 3rd to 4th Quarter 2007 for item 2(b)(iv) addressing TRM business practices development after the WEQ EC approved the other suggested changes in the WEQ 2007 Annual Plan on 8-14-07.~~

[6] The BPS/ESS groups working on Order 890 modified the completion date from 3rd to 4th Quarter 2007 for item 2(b)(v) addressing ATC and TTC business practices development related to NERC MOD001, MOD028, MOD029 and MOD030 after the WEQ EC approved the other suggested changes in the WEQ 2007 Annual Plan on 8-14-07.

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Item Description			Completion[1]	Assignment[2]
1	**Develop business practices standards as needed to complement reliability standards**			
	Develop business practice standards to support and complement NERC reliability standards, NERC policies and NERC standards authorization requests (SARs) using the NERC/NAESB Coordination Joint Standards Development Process as appropriate. Current NAESB activities underway to develop business practice standards that are supportive of this annual plan item are:			
a)	Make version 2 changes to business practices as requested.		Ongoing	BPS
	i)	Make changes to business practices as related to inclusion of the NERC Reliability Functional Model functional model entities as NERC undertakes the same efforts. Status: No requests.	As requested	BPS
	ii)	Continuous support of TLR Procedure in alignment with NERC efforts on TLR Phase II and Phase III which would be included in version 2 development.[1] Status: Ongoing as NERC makes changes.	Ongoing	BPS[2]
b)	Develop business practices to support Coordinate Interchange – R05020 "Include a guideline for rounding schedules with partial mWh's in the coordinate interchange business practice WEQ BPS-002-000" Status: Underway.		4th Q, 2007	BPS, JISWG
c)	Operate Within Limits (R03017) as coordinated with the NERC schedule on the same development for reliability standards			
	i)	Review the need to develop business practice standards to support Operate Within Limits (R03017)	2nd Q, 2008	SRS
	ii)	Develop business practice standards to support Operate Within Limits (R03017)	4th Q, 2008	BPS
d)	Prepare recommendations for future path for TLR in concert with NERC, which may include alternative congestion management procedures[3]		4th Qtr 2008	BPS, ESS-ITS[4]
e)	Determine any needed NAESB action in support of the Interchange Distribution Calculator (IDC) and develop any necessary standards. Status: Not Started.		4th Q, 2008	BPS

[1] For additional information, please see: http://www.naesb.org/pdf3/weq_bps100407w4.ppt for Phase II changes and http://www.naesb.org/pdf2/weq_bps070907w4.doc for Phase III changes
[2] Joint Development Procedure to be used by the NERC TLR Drafting Team and NAESB BPS
[3] For additional information, please see comments submitted by PJM and MISO for this Annual Plan Item: http://www.naesb.org/pdf3/weq_aplan102907w1.pdf
[4] Joint Development Procedure to be used by the NERC TLR Drafting Team and NAESB BPS and ESS/ITS

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	Item Description	Completion[1]	Assignment[2]
2	**Develop business practice standards in support of the FERC RM05-25-000 and RM05-17-000 (OATT Reform)**		
a)	Develop version 1 business practice standards to better coordinate the use of the transmission system among neighboring transmission providers. Such business practice standards would be based on recommendations from NERC's Long Term ATC/AFC Task Force and would involve revised procedures for the ATC calculation and/or revised protocols as determined by the final order. Status: Underway using joint standards development process with NERC. Request R050004 was expanded to include the OATT NOPR items (NOPR, Docket Nos. RM05-25-000 and RM05-17-000, "Preventing Undue Discrimination and Preference in Transmission Services", issued May 19, 2006).		
i)	Group 1: Conditional Firm, Annotations For ATC; Load Forecast And Actual Load; Re-Bid Of Partial Service; And Preconfirmation Priority Status: Underway	3rd Q, 2007[3]	ESS/ITS
ii)	Group 2: Metrics; Redispatch Cost Posting Status: Not Started	4th Q, 2007	ESS/ITS
iii)	Group 3: Network Service On OASIS Status: Not Started	4th Q, 2007	ESS/ITS
iv)	Group 4: Pre-Emption; Request No. R05019; and Revisions to Standard 9.7 Status: Not Started	1st Q, 2008	ESS/ITS
v)	Group 5: Paragraph 1377 Status: Not Started	1st Q, 2008	ESS/ITS
vi)	Group 6: Miscellaneous (Paragraphs 1390 and 1627 of Order 890) Status: Not Started	2nd Q, 2008	ESS/ITS
b)	Develop the needed business practices as companion to the NERC standards for ATC related efforts.		
i)	Develop standards to support existing Request No. R05004. Status: Underway	4th Q, 2007	BPS/ESS

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	Item Description	Completion[1]	Assignment[2]
ii)	Develop Business Practice Standards for **Existing Transfer Capability (ETC)**	TBD	BPS/ESS
	• Develop the Business Practice Standards complementary to NERC Reliability Standards for **Existing Transfer Capability (ETC)** to create a "consistent approach for determining the amount of transfer capability a transmission provider may set aside for its native load and other committed uses", including the elements of ETC for full implementation of the NERC MOD-001 reliability standard. The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development. Status: Not Started.		
	• Business practice standards for accounting for counterflows. These standards will be included in the ATC business practice standards. The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development. Status: Underway		
iii)	**Capacity Benefit Margin (CBM) Business Practices** *Some of the Completion dates for these items may be changed if NERC timelines for Order 890 are changed*:		
	• Business practice standards to set forth "how the CBM value shall be determined, allocated across transmission paths, and used" and how transmission providers will "reflect the set-aside of transfer capability as CBM in the development of the rate for point-to-point transmission service." The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development. Status: Underway.	TBD	BPS/ESS
	• Business practice standards that include an OASIS mechanism to "allow for auditing of CBM usage." The business practices developed to address this item will <u>not</u> require to coordination with the NERC Order 890 reliability standards development. Status: Underway.	4th Q, 2007	BPS/ESS
	• Any additional business practice standards needed to complement the NERC CBM reliability standards (MOD004) created as a result of this effort. The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development. Status: Underway	TBD	BPS/ESS

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iv)	**Transmission Reliability Margin Business Practices:** *Some of the Completion dates for these items may be changed if NERC timelines for Order 890 are changed*:		
	• Transmission Reliability Margin (TRM): Business Practice Standards to complement the NERC reliability standards for TRM. The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development. Status: Underway	TBD	BPS/ESS
	• The business practice standards will include specification of the appropriate uses of TRM and when transmission providers may set aside TRM. The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development	TBD	BPS/ESS
	• Any additional business practice standards needed to complement the NERC TRM reliability standards (MOD008) created as a result of this effort. The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development Status: Underway	TBD	BPS/ESS
v)	Business Practice Standards for ATC and AFC Calculation Methodologies to complement the NERC reliability standards created for ATC and AFC Methodologies (NERC MOD001 (Available Transfer Capability); NERC MOD028 (Network Response Available Transfer Capability); NERC MOD029 (Rated System Path Available Transfer Capability); and NERC MOD030 (Flowgate Network Response Available Transfer Capability)): *Some of the Completion dates for these items may be changed if NERC timelines for Order 890 are changed*:	4th Q, 2007[4]	BPS/ESS
	• Business practice standards to address the frequency and posting requirements for all ATC components that are complementary to the related NERC reliability standards. The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development.		
	• Business practice standards for data exchange for ATC modeling complementary to the related NERC reliability standards including any OASIS posting requirements to achieve the data exchange. The business practices developed to address this item will require to coordination with the NERC Order 890 reliability standards development.		

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	• Business practice standards that will set forth how transmission providers will post "explanations of the reason for a change in monthly and yearly ATC values on a constrained path." The standards will include a requirement that that the transmission provider posts the reason for the change in a narrative form. The posted information will include "the (1) specific events which gave rise to the change and (2) new values for ATC on that path (as opposed to all points on the network)." The business practices developed to address this item will not require to coordination with the NERC Order 890 reliability standards development. • Business practice standards for posting on OASIS of the "underlying load forecast assumptions for all ATC calculations". The business practices developed to address this item will not require to coordination with the NERC Order 890 reliability standards development • Business practice standards for posting on OASIS of the "actual daily peak load for the prior day." The business practices developed to address this item will not require to coordination with the NERC Order 890 reliability standards development		
vi)	Business practice standards to complement NERC reliability standards for Transfer Capability in response to new NERC Supplemental SAR: Revisions to Existing Standards MOD001-MOD009, FAC12-13 This item was added as a result of the Supplemental SAR NERC created in case additional business practices are needed as a result of the work on this SAR by NERC. It does not have a cite in Order 890. This item will require coordination with the NERC Order 890 reliability standards development. Status: Underway	TBD	BPS/ESS
vii)	Business practice standards to set forth the procedure for input on TTC and ATC methodologies and values. (During the Order 890 NERC and NAESB joint standards development effort, it was determined that the standards contained in MOD003 should be business practice standards instead of reliability standards. NERC has requested that NAESB adopt the standards as business practices via correspondence to Ms. McQuade, NAESB President.) This item will require coordination with the NERC Order 890 reliability standards development because the language to address this item is contained within a draft standards that addresses items that are dependent on NERC deliverables, i.e., the requirements to create an "ATC Information Link" on OASIS. There is no Order 890 cite for this item. Status: Underway	TBD	BPS/ESS

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NORTH AMERICAN ENERGY STANDARDS BOARD
Proposed 2008 WEQ Annual Plan Prepared October 29, 2007
Presented to the WEQ Executive Committee on November 6, 2007

	Item Description	Completion[1]	Assignment[2]
c)	Develop version 1 business practice standards to support transparency reporting and related functions that may be required as a result of the final order. Status: Not Started.	TBD	BPS/ESS

3 Develop business practices standards to improve the current operation of the wholesale electric market and develop and maintain business practice and communication standards for OASIS and Electronic Scheduling

a) Develop and/or maintain business practice standards as needed for OASIS and electronic scheduling. Specific items to address include:

i)	Develop OASIS S&CP changes to support OASIS business practices. Status: Dependent on development of OASIS business practices.	Ongoing	ESS/ITS
ii)	Network Services: Determine and develop needed business practice standards or other support is needed to support use of OASIS for Network Service transactions (R04006E). Status: Underway.	4th Q, 2007	ESS/ITS
iii)	Registry (TSIN): Determine and develop needed business practice standards to support the registry functions currently supported by NERC (R04037). Status: Underway.	4th Q 2008	JISWG
	1) Work with the NAESB counsel to develop a confidentiality agreement		JISWG
	2) Transition the TSIN Registry from NERC to NAESB.		JISWG
	3) Review and correct the Coordinate interchange Business Practice Standard as noted during the development of the e-Tag 1.8 development process.		JISWG
v)	Document procedures used to implement the displacement/interruption terms of the Pro Forma tariff (R05019). Status: Not Started.(Related to request R05004)	4th Q, 2007	ESS/ITS
vi)	Make incremental enhancements to OASIS as an outgrowth of the NAESB March 29, 2005 conference on the future of OASIS (R05026). Status: Underway. Scoping statement completed by SRS, assignments made, and clarifications requested from the submitter.	2008	Various
vii)	Respond to issues in FERC Order No. 676 (Docket No. RM05-5-000) – NAESB WEQ Standards 001 9.7, (paragraph 51 of the order). Status: Underway. Assigned to group 4, reference 2007 WEQ AP item 2(a)(v)	1st Q, 2008	ESS/ITS

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NORTH AMERICAN ENERGY STANDARDS BOARD
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	Item Description	Completion[1]	Assignment[2]
b)	Develop and/or maintain standard communication protocols and cyber-security business practices as needed.		
i)	Address the surety assessment findings on NAESB PKI standards. Status: Complete, will be provided as a response to the U.S. DoE upon completion by the WGQ for their response to the findings.	1st Q, 2008	JISWG
ii)	Develop PKI standards for OASIS. Status: Not Started.	4th Q, 2007	ESS
iii)	Develop PKI Standards for e-tagging. Status: Underway.	4th Q, 2007	JISWG
iv)	Develop enhanced Electric Industry Registry (EIR), (R06027) Status: Underway.	4th Q, 2007	JISWG
c)	Develop needed business practice standards for organization/company codes for NAESB standards – and address current issues on the use of DUNs numbers. Status: Underway.	4th Q, 2007	NAESB Staff with WEQ support
4	**Review and develop business practices standards to support e-Tariff program**		
	Develop business practices as needed to support the e-Tariff program including submittal of tariffs and metadata. (Docket No RM05-1-000) Status: Underway.	1st Q 2008	Joint WEQ/WGQ e-Tariff Subcommittee
5	**Review and develop business practices standards to Demand Response, Demand Side Management and Energy Efficiency Programs**		
	Review and develop needed model business practices for a standardized method for quantifying benefits, savings, cost avoidance and/or the reduction in energy demand and usage derived from the implementation of demand side management and energy efficiency programs. This effort will include demand side response, energy efficiency programs and metering, including the 'curtailment service provider' program.	2008	Joint WEQ/Retail DSM-EE Subcommittee
a)	Develop matrix and business practice standards for measurement and verification for demand response programs in ISO/RTO footprint areas. Status: Underway		
b)	Develop matrix and business practice standards for measurement and verification for demand response programs in non-ISO/RTO footprint areas. Status: Underway		
c)	Develop preamble for business practice standards for measurement and verification for demand response and energy efficiency programs.		

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NORTH AMERICAN ENERGY STANDARDS BOARD
Proposed 2008 WEQ Annual Plan Prepared October 29, 2007
Presented to the WEQ Executive Committee on November 6, 2007

	Item Description	Completion[1]	Assignment[2]
	Status: Underway		
d)	Develop glossary for business practice standards Status: Underway		
e)	Support retail development of matrix and model business practice standards for measurement and verification for demand response programs Status: Underway		
f)	Develop business practice standards to measure and verify energy reductions that are made to comply with a Renewable Portfolio Standard that included energy efficiency or a stand-alone Energy Efficiency Portfolio Standard. Status: Not Started		
g)	Develop business practice standards to factor Demand Control and Energy Efficiency programs into reliability / supply decisions at the wholesale level for generation and transmission planning and operations. Status: Not Started.		
h)	Develop business practice standards for cap and trade programs for green house gas Status: Not Started.		

PROVISIONAL ITEMS

1 Develop and or modify business practices related to support of NERC effort on the NERC Resources and Transmission Adequacy and Inadvertent Interchange Data Standards BAL-006 revisions.

2 Develop business practice standards as requested by the regional and state advisory groups.

3 Develop business practice standards as related to the Effectiveness Study of Competitive Wholesale Markets (Congressional Mandate), Electric Energy Market Competition Task Force, Docket No. AD05-17-000, issued by the FERC on October 13, 2005.

4 Develop and/or maintain business practice standards to support gas-electric interdependencies

- Respond to requests as received that are related to Docket No. RM05-28-000.
- Respond directives related to the conclusions of the NAESB reports submitted in FERC Order No. 698, Docket Nos. RM05-5-001 and RM96-1-027.

5 Review Market System Back-Up existing language and review of existing back-up language

6 Review and Evaluation of whether to cutoff or put a size limit on the entities for which the standards apply

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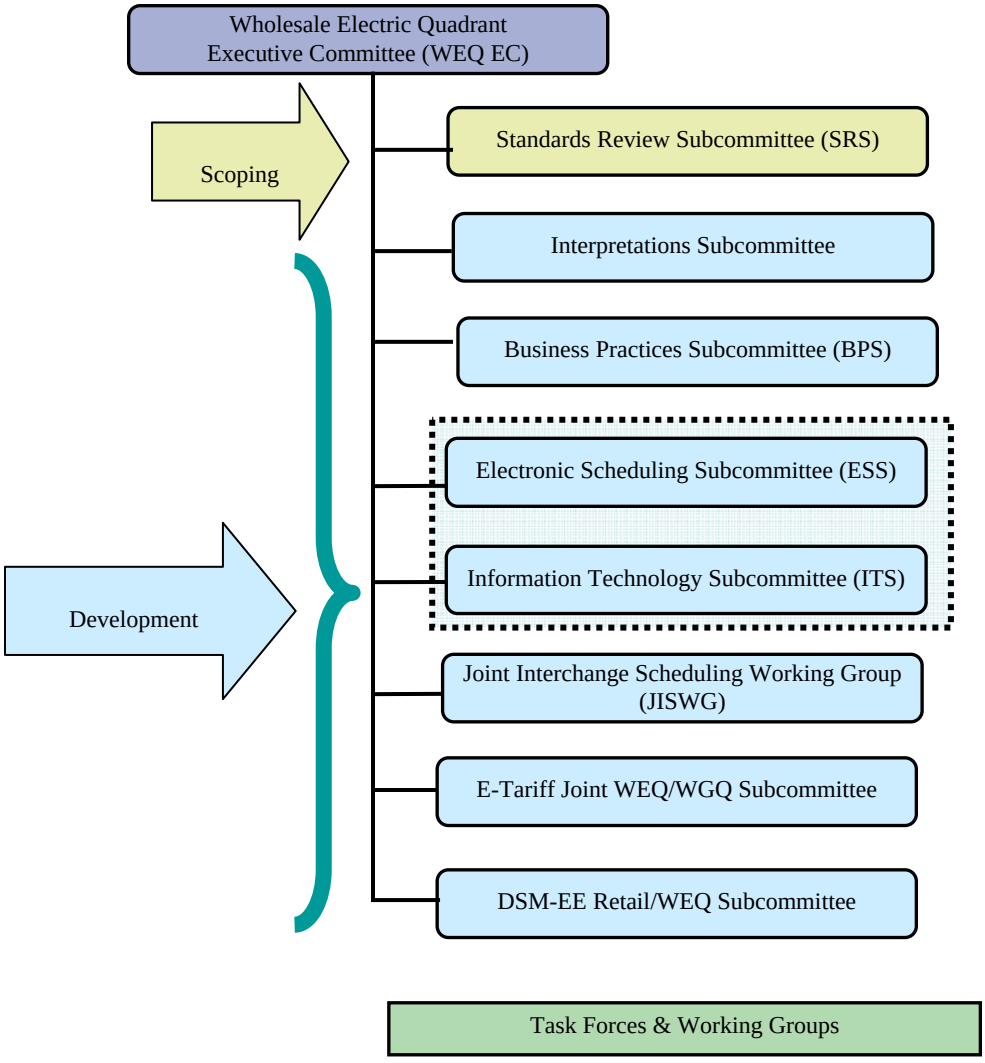

NAESB WEQ EC and Subcommittee Leadership:

Executive Committee: Kathy York (WEQ EC Chair) and Clay Norris (WEQ EC Vice Chair)

Standards Review Subcommittee: Raj Rana, Narinder Saini

Interpretations Subcommittee: Robert Schwermann

Business Practices Subcommittee & Task Forces: Kathy York & Jim Busbin

Electronic Scheduling Subcommittee/Information Technology Subcommittee & Task Forces: Paul Sorenson, J.T. Wood, Marcie Otondo

Joint Interchange Scheduling Working Group (JISWG): Bob Harshbarger (NAESB), Jim Hansen (NERC)

e-Tariff Joint WEQ/WGQ Subcommittee (e-Tariff): Jane Daly (WEQ), Keith Sappenfield (WGQ)

DSM-EE Joint Retail/WEQ Subcommittee: Ruth Kiselewich and David Koogler (Retail), Roy True and Paul Wattles (WEQ)

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End Notes:

[1] Dates in the completion column are by end of the quarter for completion by the assigned committee. The dates do not necessarily mean that the standards are fully staffed so as to be implementable by the industry, and/or ratified by membership. If one item is completed earlier than planned, another item can begin earlier and possibly complete earlier than planned. There are no begin dates on the plan.
[2] The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the annual plan document.
[3] The chairs of the ESS/ITS working on Order 890 OASIS issues modified the completion date from 3rd Quarter 2007 to 4th Quarter 2008 on 8-21-07.
[4] The BPS/ESS groups working on Order 890 modified the completion date from 3rd to 4th Quarter 2007 for item 2(b)(v) addressing ATC and TTC business practices development related to NERC MOD001, MOD028, MOD029 and MOD030 after the WEQ EC approved the other suggested changes in the WEQ 2007 Annual Plan on 8-14-07.

From: Rehman,Barbara M
Sent: Monday, October 29, 2007 6:02 PM
To: Veronica Thomason
Subject: Late Comment on WEQ 2008 Annual Plan

Hi Veronica, I had a minor comment on the 2008 WEQ Annual Plan that I'd like to request the EC to consider.

My comment is on the likely overlap in Item 3 of the Plan, between the following items regarding the Registry:

3.a) iii) 2): Transition the Registry from NERC to NAESB - R04037
3.b) iv): Develop enhanced Electric Industry Registry (EIR) - R06027

Would it be possible to combine these 2 items or place them in the same sub item, such as 3. b)?

Many thanks

Barbara M. Rehman
Policy Development & Analysis
TSPP TPP-2
P.O. Box 61409
Vancouver, WA 98666

NORTH AMERICAN ENERGY STANDARDS BOARD

Executive Committee Meeting – WEQ Meeting Materials
November 6, 2007

TAB 10

Board Update

- The Board recent minutes of 9-27-08 and a regulatory and liaison update report is provided for your review as background materials for the discussion. No action is expected of the EC.
- The materials in Tab 10 correspond to agenda item 8.

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October 31, 2007

TO: NAESB Board Members, Posting for Interested Industry Participants

FROM: Laura Kennedy, Director, Standards Development

RE: Draft Minutes from the NAESB Board of Directors Meeting – September 27, 2007

NORTH AMERICAN ENERGY STANDARDS BOARD
NAESB BOARD OF DIRECTORS MEETING
September 27, 2007 – Wyndham Greenspoint Hotel - Houston, TX
Draft Minutes

1. Administration and Welcome

Mr. Desselle opened the meeting the meeting and welcomed the Board members and guests in the room and on the phone. Mr. Boswell read the antitrust guidelines. Ms. Kennedy called the roll of the Board member roster and quorum was established.

The Board members reviewed the agenda, included behind Tab 2, page 15 of the Board book. Mr. Lucas moved, seconded by Mr. Ellsworth, to adopt the agenda. The motion passed without objection.

The Board members reviewed the minutes from the June 28, 2007 meeting. The minutes were included behind Tab 3, beginning on page 17 of the Board book. Mr. Chapman moved, seconded by Mr. Oberski, to adopt the minutes as drafted. The motion passed without objection. The final minutes are posted on the NAESB website: http://www.naesb.org/pdf2/bd062807fm.doc.

2. Reports from Board Committees

Resources Committee: Mr. Brown, chair of the Resources Committee provided an update for the Board. The Resources Committee report was included behind Tab 4 of the Board book. He stated that the work of the Resources Committee has resulted in a net of thirty-four new members. He noted that the NAESB Bulletin – the new newsletter created by Ms. Rager and Ms. McQuade will provide a useful tool in NAESB membership recruitment. He stated that the Resources Committee met prior to the Board meeting and the members have taken action items to contact wind generators and participants of the Demand Side Management and Energy Efficiency Subcommittee who are not currently NAESB members. He added that the industry trade associations have also been helpful in getting information to potential members.

3. Updates on specific standards development efforts

Next, the Board reviewed the specific standards development efforts underway at NAESB.

Wholesale Electric Quadrant: Order 890, Coordination with NERC, ATC deliverable deadlines, OASIS change progress: The Order 890 materials were included behind Tab 5, beginning on page 58 of the Board book. Ms. York, chair of the WEQ Executive Committee, and co-chair of the WEQ Business Practices Subcommittee, provided the update for the Board. Ms. York stated that the subcommittees working on Order 890 have held 18 meetings since the last Board meeting. She stated that the subcommittee leadership met via conference call with FERC staff on August 23 to provide an informal status report on the progress of the Order 890 business practice standards development. The NERC ATC Drafting Team and NERC staff has stated that it plans to request an extension in NERC's Order 890 deadlines via a filing with the FERC. The NAESB subcommittee have identified ten areas on the Order 890 Work Plan where the NAESB business practice standards development will depend on the language of the NERC reliability standards. Five areas have been identified on the Order 890 Work Plan where NAESB should be able to move forward without dependence on the NERC reliability standards to address Order 890. The NAESB subcommittees plan to move forward with those five items with the deadline FERC set in Order

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890. For the NERC dependent items, once NERC formally requests an extension in the Order 890 deadlines with the FERC, NAESB will evaluate NERC's revised plan and submit a follow-up revised plan to the FERC.

For the Order 890 items that do not relate to ATC that the NAESB ESS/ITS is working on, the Group 0 items were ratified on July 23, 2007. The Group 1 items are scheduled to be adopted by the WEQ Executive Committee during the November 6, 2007 meeting. The ESS/ITS has begun working on Groups 2 and 3 identified in the Order 890 Work Plan. Ms. York stated that members of the IGO segment have been participating in both groups at NAESB that are developing business practice standards for Order 890 and their expertise has been helpful in those efforts. Ms. McQuade stated that NAESB staff and the subcommittee leadership has met several times via conference call with FERC staff to let them know where the groups are in light of deadlines. She added that if Ms. York sees that the NAESB subcommittees' deadlines might slip, that it is important that NAESB let FERC staff know as soon as possible if there is going to be some level of delay.

TLR Status Report: Next, Ms. York provided an update on the development of the NERC TLR Reliability Standards. The TLR Status Report can be found behind Tab 5, beginning on page 114 of the Board book. Ms. York stated that the split TLR Reliability Standards have been adopted by the NERC membership. NAESB plans to include the NAESB TLR Business Practice Standards to complement the NERC Reliability Standards for TLR in the Version 1 publication and FERC status report. She stated that she and Mr. Busbin continue to work with members of the NERC TLR Drafting Team to complete the Joint System Operations Reference Manual for TLR. Ms. York noted that the NAESB Business Practices Subcommittee plans to meet via conference call to draft a minor correction to correct references to the NERC TLR standards so that the correct version is referenced in the NAESB TLR business practices.

Wholesale Gas Quadrant: Order 698 approach, schedule and progress: Ms. Crockett, Board Member and co-chair of the WGQ Business Practices Subcommittee, provided the report on the work of the WGQ to address Order 698. The Order 698 materials can be found behind Tab 5, beginning on page 120 of the Board book. Ms. Crockett stated that the Board revised the WGQ 2007 Annual Plan during the June Board meeting. The WGQ Executive Committee met on August 3, 2007 to assign the work for Order 698 to the WGQ Business Practices Subcommittee and to set a schedule for the WGQ BPS meetings for the rest of 2007. The Order 698 meetings are scheduled such that each of the three items are given a specified time on the agenda. Pages 123-124 of the Board book includes the work product developed to date – scoping documents for each of the three items. Ms. Crockett stated that while at this time there is no timeline for the completion of the standards to address Order 698, progress is being made at each meeting.

Wholesale Electric Quadrant and Retail Quadrants: Demand Side Management/Energy Efficiency Efforts: Mr. True, Board Member and co-chair of the DSM/EE Subcommittee stated that the DSM/EE Subcommittee has met four times since the kickoff meeting in April. The material for the DSM/EE efforts can be found behind Tab 5, beginning on page 125 of the Board book. He stated that the ISOs and RTOs have outlined the types of demand response and measurements they have in place today. The subcommittee is in the process of drafting a matrix that includes the ISO and RTO reports. The subcommittee is also working on a second matrix to address demand response measurement and verification for markets that are not members of an ISO or RTO. The subcommittee also revised its action item list to include an industry-wide survey.

Mr. Koogler, Board Member and co-chair of the DSM/EE Subcommittee stated that the DSM/EE Subcommittee met on September 25, 2007 hosted by ERCOT in Austin, Texas. He stated that for the retail industry, the subcommittee agreed to focus initial efforts on demand response and measurement and verification. During the review of the ISO and RTO demand response measurements it was determined that there is currently no real differences between the wholesale and retail industries in this area. Mr. Koogler stated that when trying to standardize how to verify customer reduction, the methodology should be consistent. The retail industry participants are also working on a matrix similar to the matrices for the wholesale industry. Mr. Koogler added that NARUC has contacted NAESB and extended an invitation for NAESB representatives to speak at the staff subcommittee on electricity during the November NARUC meeting in California.

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Mr. Haynes stated he did not want the DSM/EE Subcommittee to lose sight of the need to develop standards for energy efficiency measurement and verification. He added that he did not want to be behind when a national renewable portfolio standard or energy efficiency standard was adopted. Mr. Brown stated that the energy efficiency aspect of this effort will provide a way to get the vendor community involved. He asked if vendors were participating in the DSM/EE Subcommittee. Mr. Koogler stated that the vendors are following the effort. Mr. True noted that the next meeting of the DSM/EE Subcommittee is scheduled on November 30 hosted by Dominion in Richmond, Virginia.

Publication Schedules for WEQ and Retail: The information on the publication schedules can be found behind Tab 5, beginning on page 151 of the Board book. Ms. McQuade stated that the Version 1 of the WEQ standards are scheduled to be published as soon as the TLR issues are settled. The Final Actions listed on page 151 and any minor corrections to those Final Actions will be included in Version 1. Soon after Version 1 is issued, it will be filed in the form of a status report with the FERC.

Version 1.1 of the Retail Model Business Practices was originally scheduled to be published in 4th Quarter 2007. Ms. McQuade stated that date has been moved to 1st Quarter 2008 in order to include the model business practices to address customer initiation, drop, and switching using a registration agent, such as in ERCOT; and to include the updates to the EDM standards needed based on the Sandia National Labs audit of all of the NAESB standards.

e-Tariff Subcommittee: Mr. Sappenfield, Board member and co-chair of the e-Tariff Subcommittee, provided the update on the work of the e-Tariff Subcommittee. The e-Tariff Subcommittee last met on August 20, 2007. Since that time, the e-Tariff Technical Task Force has met twice to begin drafting the xml schema and technical aspects of the e-Tariff standards. The next meeting of the e-Tariff Subcommittee is scheduled October 11-12, 2007 at NAESB's offices in Houston, Texas. The agenda for this meeting will include issues that the e-Tariff Technical Task Force needs address before they can move forward with the technical development. FERC staff has been active in both the e-Tariff Subcommittee and e-Tariff Technical Task Force, with at least two to three staff members in attendance at meetings. At this time, the e-Tariff Subcommittee expects to be completed with its work by the end of the year 2007 with the Executive Committees scheduled to vote on the recommendations during their February 2008.

4. Executive Committee Reports

WGQ Executive Committee: The WGQ 2007 Annual Plan approved by the Board of Directors is included behind Tab 6, beginning on page 155 of the Board book. Mr. Sappenfield stated that Item 5 is now complete. A new item should be added to include the request to update the ISDA Gas Annex due to the update to the Base Contract. This item as added as Item 6A to the Annual Plan. Items 7(a), (b), and (c) were modified to reflect that they were assigned to the WGQ Business Practices Subcommittee with a 2008 Completion date. Mr. Spangler stated that Item 4 should be changed to Complete.

Retail Executive Committees: Mr. Novak stated that the Retail Executive Committees have not met since May. Mr. Novak suggested that the Board not make any changes to the Annual Plan until the Retail Executive Committees have a chance to review the plan during the November meeting.

WEQ Executive Committee: Ms. York reviewed the WEQ 2007 Annual Plan. In addition to the proposed changes submitted by the WEQ Executive Committee: the name of the TLR Manual in Item 1(f) was changed to System Operators Reference Manual for TLR; the Completion dates of all of Item 2(b), except 2(b)(ii), were changed to 4th Quarter 2007. Ms. Crockett moved, seconded by Mr. Sappenfield, to adopt the revisions to the Annual Plans as discussed. The motion passed without objection. The revised Annual Plans are posted as attachment to the minutes: WEQ 2007 Annual Plan as approved by the Board 9/27/07, WGQ 2007 Annual Plan as amended and approved by the Board 9/27/07, Retail 2007 Annual Plan as approved by the Board 9/27/07.

Creation of 2008 Annual Plans: The process to be used for the creation of the 2008 Annual Plans was included on page 179 of the Board book. A request for comments and submissions for the 2008 Annual Plans will be distributed to all members and industry trade organizations.

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5. Standards Development Activities and NAESB efforts with Government Agencies and Industry Groups

Copyright Report: Ms. McQuade stated that the Copyright Report, included behind Tab 7, beginning on page 185 of the Board book, is maintained by the NAESB on a monthly basis. The Copyright Report is accessible on the NAESB website.

Interactions with FERC, other Government Agencies and Industry Groups: A Report of Activities with FERC and other groups was included behind Tab 7 beginning on page 229 of the Board book. Ms. McQuade stated that NAESB staff and subcommittee chairs meet via conference call with FERC staff on a regular basis. Ms. McQuade met with the FERC Chairman and Commissioners in June and July to discuss Order 890, Order 698, e-Tariff activities, Gas Quality, and DSM/EE. Ms. Pollonais is the FERC staff member assigned to NAESB for Order 890.

Since the last Board meeting, NAESB filed the WGQ Version 1.8 standards with the FERC.

The Sandia audit provided the need to discuss revisions to the WGQ and Retail standards. The WEQ standards for Public Key Infrastructure have already been modified based on the Sandia audit. NAESB also continues to work with NARUC, especially regarding the DSM/EE Subcommittee work. In addition, NAESB has a close working relationship with NERC.

6. Membership and Financial Reports

Ms. McQuade reviewed the corrected Membership Report provided as supplemental material to the Board materials and posted on the NAESB website: http://www.naesb.org/pdf3/bd092707_tab8.pdf. There has been an increase of twenty-three members since the end of 2006. There has been an increase in membership in all four quadrants. If the WEQ members approve the change in the Quadrant Procedures to allow for an individual to sit on the Board and Executive Committee simultaneously, it will likely result in additional memberships in the WEQ as well.

Ms. Wishart provided the financial report. The Financial Report was included as supplemental material to the Board materials and posted on the NAESB website: http://www.naesb.org/pdf3/bd092707_tab8.pdf. Ms. Wishart stated that the expenses to date in 2007 are in line with the budgeted amount for the year. It is the expectation that there will be a 45,000 net income by the end of 2007.

7. Plan for Upcoming December 13 Board Meeting in Houston

The agenda for the December 13 Board meeting will include approval of the 2008 Annual Plans for each quadrant; approval of the 2008 budget, an update on the publication schedule, an update on e-Tariff activities, Order 890 activities, Order 698 activities. The meeting is scheduled to take place in Houston, Texas at the Wyndham Greenspoint Hotel.

8. Old and New Business

No New Business was discussed.

9. Adjourn

Mr. Ellsworth moved to adjourn. The meeting adjourned at 11:30 AM Central.

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10. Board Attendance (Vacancies Omitted)

WHOLESALE GAS QUADRANT BOARD MEMBERS

PRODUCERS SEGMENT		ATTENDANCE
Jay Ellzey	Vice President Commercial Operations, Chevron Natural Gas	Absent
William T. Benham	Vice President – Regulatory Affairs, BP Energy Company	Absent
Keith Sappenfield	Regional Director – US Regulatory Affairs, EnCana Oil & Gas (USA) Inc.	In Person
Pete Frost	Director - Regulatory Affairs, ConocoPhillips Gas and Power Marketing	Phone
PIPELINE SEGMENT		
Jim Goldmann	Vice President - Transportation Services and Development, Alliance Pipeline LP	Absent
Bill Grygar	Vice President, Panhandle Eastern Pipe Line	Absent
Susanna B. Barry	Vice President – Commercial Operations, Tennessee Gas Pipeline Company	Absent
Anne Bomar	Vice President, Dominion	Phone
Richard Kruse	Senior Vice President, Spectra Energy Transmission	Phone
LOCAL DISTRIBUTION COMPANY (LDC) SEGMENT		
Clifton Olson	Vice President of Supply and Transmission, Energy East Corporation	Phone
Adrian Chapman	Vice President, Regulatory Affairs & Energy Acquisition, Washington Gas	In Person
Reed Horting	Vice President, Gas Supply & Transportation, PECO Energy Co.	Absent
Mike Novak	Asst. General Manager, National Fuel Gas Distribution Corporation	Phone
Lee Stewart	Senior Vice President, Gas Transmission, Southern California Gas Company	Absent
END USERS SEGMENT		
Valerie Crockett	Senior Energy & Policy Specialist, Tennessee Valley Authority	In Person
Diane McVicker	Senior Principal Fuel Analyst, Salt River Project	In Person
Jim Templeton	Principal, Comprehensive Energy Services	In Person
SERVICES SEGMENT		
John Bretz	Vice President - Gas Marketing, Anadarko Energy Services Company	In Person
Jim Buccigross	Vice President Energy Industry Practice, Group 8760 LLC	Phone
Bill Hebenstreit	Manager – Contract Administration, Cheniere Marketing, Inc.	In Person
Suzanne Calcagno	Director, Regulatory Compliance, UBS Energy, LLC	Absent

RETAIL ELECTRIC QUADRANT BOARD MEMBERS

SUPPLIERS SEGMENT		ATTENDANCE
Gregory Urbin	Regulatory Affairs Manager, Constellation NewEnergy	Absent
Richard Zelenko	Vice President, Dominion Retail Inc.	Absent
DISTRIBUTORS SEGMENT		
David Koogler	Director – State Regulation, Dominion Virginia Power (SERC NERC Region)	In Person
Dennis Derricks	Director Regulatory Policy and Analysis, Integrys Energy Services, Inc.	Phone
Ruth Kiselewich	Director Special Projects and Supplier Services, Baltimore Gas & Electric Company (MAAC NERC Region)	Absent

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Debbie McKeever	Market Advocate, Oncor	In Person
END USERS SEGMENT		
Sonny Popowsky	Consumer Advocate, Pennsylvania Office of Consumer Advocate	Absent
SERVICE PROVIDERS SEGMENT		
Jim Minneman	Director of Business Services, PPL Solutions LLC	
J Cade Burks	President, EC Power	In Person

WHOLESALE ELECTRIC QUADRANT MEMBERS

TRANSMISSION SEGMENT		**SUBSEGMENT**	**ATTENDANCE**
Dan Klempel	Director Transmission Regulatory Compliance, Basin Electric Power Cooperative	Muni/Coop	In Person
W Terry Boston	Executive Vice President – Transmission/Power Supply Group, Tennessee Valley Authority	Fed/State/Prov.	Phone
John E. Lucas	Director - Transmission Policy and Services, Southern Company Transmission	IOU	In Person
Terri Grabiak	Director – FERC and RTO Internal Affairs, Allegheny Energy, Inc.	at large	In Person
GENERATION SEGMENT			
Curtis Winterfeld	Vice President of Power Marketing, Deseret Generation & Transmission Cooperative	Muni/Coop	Absent
Belinda Thornton	Senior Manager – Real Time Trading, Tennessee Valley Authority	Fed/State/Prov.	Absent
Lou Oberski	Director – Electric Market Policy, Dominion Resource Services, Inc.	IOU	In Person
Charles W. Severance	Manager – Supply & Wholesale Services, Integrys Energy Services, Inc.	IOU	Phone
Michael Gildea	Director of Compliance, Constellation Energy	Merchant	Absent
Gloria Ogenyi	Vice President Energy Policy, Conectiv Energy Supply, Inc.	Merchant	Absent
Ron Mucci	Manager - Regulatory Affairs, Williams Power Company	At-Large	In Person
MARKETERS/BROKERS SEGMENT			
Roy True	Manager of RTO Market Development, ACES Power Marketing	Muni/Coop	In Person
Jeff Ackerman	Manager, Colorado River Storage Project Energy Management and Marketing Office, Western Area Power Administration	Fed/State/Prov.	Phone
Michael Grim	Director of Markets and Regulation, Luminant	Not IOU Affiliated	Absent
Mark Klein	Vice President – Energy Supply and Marketing, Public Service Company of New Mexico	IOU	Absent
R. Scott Brown	Vice President and Director, Exelon Generation Power Team	IOU	In Person
Rick Smead	Director, Navigant Consulting, Inc.	At-Large	Absent
DISTRIBUTION/LOAD SERVING ENTITIES (LSE) SEGMENT		**SUBSEGMENT:**	
Arthur G. Fusco	Vice President and General Counsel, Central Electric Power Cooperative Inc.	Muni/Coop	In Person
Barry R. Lawson	Manager-Power Delivery, National Rural Electric Cooperative Association	Muni/Coop	Absent
Leonard Haynes	Executive Vice President – Supply Technologies, Renewables and	IOU	In Person

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	Demand, Southern Company		
Frank Johnson	Senior Vice President Electric Transmission and Distribution, Consumers Energy	IOU	Absent
Thomas Burgess	Director – FERC Compliance, FirstEnergy Service Company	at large	In Person
Joe Hartsoe	Managing Director – Federal Policy, American Electric Power Service Corp.	at large	Phone
Bruce Ellsworth	New York State Reliability Council	At-Large	In Person
END USERS SEGMENT			
Carol Guthrie	General Manager, Electric Market Strategies, ChevronTexaco Energy Research and Technology Company	End Use (Self Generator)	Absent
James T. Gallagher	Director, Office of Electricity & Environment, New York State Department of Public Service	Regulator	Absent
Michehl Gent	Open Access Technology International, Inc.	At-Large	In Person
INDEPENDENT GRID OPERATORS/PLANNERS			
Michael Desselle	Vice President Process Integrity, Southwest Power Pool		In Person
Ray Giuliani	Vice President Market Operations, Electric Reliability Council of Texas (ERCOT)		In Person
Kevin Kirby	Vice President Market Operations, ISO New England, Inc.		In Person
Rana Mukerji	Vice President Market Structures, New York Independent System Operator, Inc. (NYISO)		In Person
Andy Ott	Vice President Markets, PJM Interconnection		Absent
William Phillips	Vice President Interregional Coordination & Policy, Midwest ISO (MISO)		In Person
Don Tench	Director Planning & Assessments, Independent Electricity System Operator (IESO)		In Person

RETAIL ELECTRIC QUADRANT BOARD MEMBERS

SUPPLIERS SEGMENT		**ATTENDANCE**
Kathy Fudali	Manager, Contract Administration, Sprague Energy Corp.	Absent
DISTRIBUTORS SEGMENT		
Craig White	Chief Operating Officer, Philadelphia Gas Works	Absent
William Bourbonnais	Vice President – Transmission, Integrys Energy Groups, Inc.	Absent
Ralph Cleveland	Senior Vice President – Engineering and Operations, AGL Resources, Inc.	Absent
END USERS SEGMENT		
SERVICE PROVIDERS SEGMENT		
Leigh Spangler	President, Latitude Technologies Inc.	In Person
Dave Darnell	President & CEO, Systrends USA	Phone
Greg Lander	Principal, Commerce Energy Group	

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10. Other Attendance

Name	Organization	Attendance
Gerry Adamski	NERC	In Person
Jonathan Booe	NAESB	In Person
Bill Boswell	NAESB	In Person
Kathryn Burch	Spectra Energy Transmission	In Person
Christopher Burden	Williams Gas Pipeline	In Person
Jack Cashin	EPSA	In Person
LaRita Cormier	Riverside Reporting	In Person
Dale Davis	Williams Gas Pipeline	In Person
Ed Davis	Entergy	In Person
Chuck Feagans	Tennessee Valley Authority	Phone
Mark Gracey	Tennessee Gas Pipeline	In Person
Bill Griffith	El Paso Natural Gas	In Person
Amy Hamilton	PECO Energy	Phone
David Huffman	NAESB	In Person
Laura Kennedy	NAESB	In Person
Iris King	Dominion Transmission, Inc.	In Person
Ed Overtree	NAESB	In Person
Rae McQuade	NAESB	In Person
Susan Munson	ERCOT	In Person
Marjorie Perlman	Energy East	Phone
Kelly Rae	Riverside Reporting	In Person
Denise Rager	NAESB	In Person
Rod Sipe	Quorum Business Solutions	In Person
Ed Skiba	Midwest ISO	In Person
Veronica Thomason	NAESB	In Person
Kim Van Pelt	Panhandle Eastern Pipe Line	In Person
Darla Wishart	NAESB	In Person
Charles Yeung	Southwest Power Pool	In Person
Kathy York	Tennessee Valley Authority	In Person
Randy Young	Gulf South Pipeline	In Person

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FEDERAL ENERGY REGULATORY COMMISSION

- **February 1, 2007:** NAESB held a one-day meeting hosted by the FERC to discuss possible standards development activities for e-Tariff. Chairman Kelliher opened the meeting.
- **March 27, 2007:** NAESB held a two-hour conference call with FERC staff to review the Order 890 plans and verify that NAESB had identified all items that require our attention. NERC staff was also on the call.
- **May 29, 2007:** A NAESB update was held with Patricia Schaub. The focus of the update was Order 890, DSM-EE and gas quality.
- **June 15 – July 20, 2007:** Rae McQuade met with each of the FERC Commissioners offices to update on Order 890, Order 698, DSM-EE, eTariff, gas quality, DUNs number efforts and the planning for the 2008 annual plans. Other meetings were held with Susan Pollonais, George Godding, Jamie Simpler and Shelton Cannon.
- **August 23, 2007:** A NAESB update was held with Susan Pollonais. The focus of the update was Order 890, DSM-EE and Order 698 and the recent WEQ EC meeting decisions.
- **Planned September 14, 2007:** A NAESB update is scheduled to be held with Susan Pollonais. The focus of the update is a continuation of the August 23 meeting, including a discussion of the reconsideration of recommendation R04006D (Secondary Market Sales of Transmission Service).

FERC FILINGS

- **October 25, 2006**: FERC issued notices of proposed rulemakings for Docket Nos. RM96-1-027 and RM05-5-001 as well as an order instituting inquiries for ISOs and RTOs regarding gas-electric coordination issues (Docket Nos. EL07-1, EL07-2, EL07-3, EL07-4, EL07-5 and EL07-6). The NOPRs outline the expectation that the FERC will adopt NAESB gas-electric coordination standards. The NOPRs appeared in the Federal Register on November 3, which began the clock for commenting.
- **October 30, 2006** - NAESB WEQ Filing with FERC on Minor Correction - Standards for Business Practices and Communication Protocols for Public Utilities (Docket No. RM05-5)
- **November 2, 2006** - NAESB Filing with FERC - Addendum to the Testimony of Ronald M. Mucci on Behalf of the North American Energy Standards Board the Notice of Proposed Rulemaking. Voluntarily submitted by NAESB in response to Docket Nos. RM05-25-000 and RM05-17-000.
- **November 3, 2006** - Federal Register posting, NAESB Communication Standards NOPR
- **November 15, 2006**: FERC Notice of Request for Supplemental Comments on RM05-17-000 and RM05-25-000 - Due December 15, 2006
- **November 16, 2006**: NAESB WEQ Filing with FERC: Update to Coordinate Interchange Business Practice Standards (Docket RM05-5)
- **November 17, 2006**: The D.C. Circuit vacated and remanded Order 2004: http://www.naesb.org/doc_view2.asp?doc=04-1183a.pdf
- **January 9, 2007:** FERC issued an Interim Rule on Standards of Conduct (Docket No. RM07-6-000, Order 690). As NAESB has implemented standards to support standards of conduct, it was thought that there may be changes required to those standards. It was determined that no changes were needed.

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- **January 18, 2007:** FERC issued a NOPR on Standards of Conduct for Transmission Providers (Docket No. RM07-1-000). As NAESB has implemented standards to support standards of conduct, as this order is considered and adopted in a final order, there may be changes to both WEQ and WGQ standards.
- **February 5, 2007:** NAESB filed WEQ "Standards of Business Practices and Communication Protocols for Public Utilities" (Docket Nos. RM05-5-000) to provide additional information regarding the November 16, 2006 submittal of modifications to NAESB Wholesale Electric Quadrant business practices for Coordinate Interchange (WEQ-004).
- **February 16, 2007:** FERC issued a Final Rule (Order 890) on Preventing Undue Discrimination and Preference in Transmission Service. This order will require extensive changes to NAESB OASIS standards, addresses ATC/TTC standards already under development, will create new transparency reporting and new services – all of which will require modified or new NAESB standards.
- **February 20, 2007:** FERC issued a NOPR on Standards for Business Practices and Communication Protocols for Public Utilities, Docket No. RM05-5-003 to adopt changes to the Coordinate Interchange (CI) business practice NAESB standards in order for the business practices and reliability standards for CI to remain consistent.
- **March 8, 2007**: FERC issued Order 682-A denying rehearing in Docket No. RM06-18-01 (Revision of Regulations to Require Reporting of Damage to Natural Gas Pipeline Facilities).
- **April 9, 2007:** NAESB filed Minor Correction to Coordinate Interchange Business Practice Standards in Docket No. RM05-5-000, "Standards for Business Practices and Communication Protocols for Public Utilities"
- **April 11, 2007:** FERC issued an Order Granting Extension of Compliance Action Dates for Order 890 "Preventing Undue Discrimination and Preference in Transmission Service" (Docket Nos. RM05-17-000 and RM05-25-000; Order No. 890).
- **June 13, 2007**: NAESB filed a status report including the plans for task related to FERC Order 890 and OATT Reform.
- **June 25, 2007**: FERC issued Order 698 regarding FERC's amendment to its open access regulations governing standards for business practices and electronic communications with interstate gas pipelines and public utilities under Docket Nos. RM96-1 and RM05-5-001 (Standards for Business Practices for Interstate Natural Gas Pipelines; Standards for Business Practices for Public Utilities).
- **June 26, 2007**: FERC issued an Order Establishing Technical conference and Providing Guidance for Docket Nos. RM05-17-002 and RM05-25-002 (Preventing Undue Discrimination and Preference in Transmission Service).
- **July 27, 2007**: FERC issued an Order Extending Compliance Action Date and Establishing Technical Conferences for Docket Nos. RM05-17-000 and RM05-25-000. In this Order, the FERC extended the date for transmission providers to submit an attachment to their OATT incorporating the transmission planning principles and concepts adopted in Order 890 and established further planning-related technical conferences.
- **August 2, 2007**: FERC issued a Notice of White Paper in Docket Nos. RM05-17-000 and RM05-25-000 "to assist transmission providers in their development of planning processes consistent with the requirements of Order 890."
- **August 31, 2007**: FERC issued an order (Docket Nos. EL07-1 to EL07-6) terminating the six section 206 proceedings related to gas-electric coordination.

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- **September 14, 2007**: NAESB filed a status report with the FERC on September 14, 2007 that included the NAESB WGQ Version 1.8 standards: NAESB Report on Standards for Business Practices of Interstate Natural Gas Pipelines (Docket No. RM 96-1 et al) and Regulation of Short-Term Natural Gas Transportation Services and Regulation of Interstate Natural Gas Transportation Services (Docket No. RM 98-10 et al)
- **November 1, 2007:** Federally jurisdictional entities were to file compliance reports with the FERC regarding implementation of the gas-electric communication standards adopted in Order 698.

FERC FILING SCHEDULE

- NAESB has submitted filings to the FERC to date in 2006-2007 as noted below.

Filed in the 1st Quarter 2006

(1) WEQ: Version 0 split of transmission loading relief (RM05-5-000) –Filed 2-17-06

(2) WEQ: Inadvertent Interchange Payback report and comments (RM05-5-000) – Filed 2-17-06

(3) WEQ and WGQ: Follow up report from the Gas-Electric Interdependency Committee (RM05-28-000) – Filed 2-24-06

Filed in the 3rd Quarter 2006

(4) WEQ: A report was provided to the Commission on August 7 related to Docket Nos. RM05-25-000 and RM05-17-000. The report included a list of items that may require NAESB attention and standards development dependent on the final order and proposed staging of development and industry implementation. – Filed August 7, 2006.

Filed in the 4th Quarter 2006

(5) WEQ: A minor correction on WECC timing, Docket No. RM05-5-000 – Filed 10-30-06

(6) WEQ: A set of speaker points and addendum answering Commission questions on the OATT Reform NOPR as part of the October 12 FERC Technical Conference – Filed 11-2-06.

(7) WEQ: NAESB filed a coordinate interchange version 1 modification to ensure consistency with NERC filings on coordinate interchange for reliability standards, Docket No. RM05-5-000 – Filed 11-16-06.

Filed in the 1st Quarter 2007

(8) WEQ: NAESB filed comments clarifying the coordinate interchange submittal on 11-6-06. The comments were filed in Docket No. RM05-5-000 – Filed 2-5-07.

(9) WEQ: NAESB filed Minor Correction to Coordinate Interchange Business Practice Standards in Docket No. RM05-5-000, "Standards for Business Practices and Communication Protocols for Public Utilities" to address timetables for WECC. Docket No. RM05-5-000 – Filed 4-9-07.

Planned by 2nd/3rd Quarter 2007

(10) WEQ: Order 890 Status Report and Plan, Docket Nos. RM05-17-000 and RM05-25-000 – Filed June 13, 2007

(11) WGQ: Version 1.8 WGQ standards (published September 30, 2006) (RM96 et al). Should be filed once minor corrections are processed and NAESB determines if changes are needed to support the FERC actions on the court-vacated Order 2004.

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Planned in 4th Quarter 2007

(12) WGQ: Gas Quality (R06008) – will be filed providing additional standards for gas quality reporting, but will also highlight a segment block for two of the proposed standards (RM96 et al).

(13) WEQ: Version 1.0 filing will be filed including TLR, all changes made since the 2005 Version 0 filing, changes for part of Order 890.

Planned Post 4th Quarter 2007

(14) WEQ: Business Practices for the ATC/TTC functions and complementary to the ATC/TTC reliability standards should be filed with the FERC in 2007-2008 as requested by the Commission on May 18 in the NOPR, Docket No. RM05-25-000, and subsequently finalized in Order 890, See item 11.

(15) WEQ: Business Practices for the transparency and electronic scheduling functions should be filed with the FERC in 2007-2008 as requested by the Commission on May 18 in the NOPR, Docket No. RM05-25-000, and subsequently finalized in Order 890, See item 11. As groups of standards are complete that address specific functions, they will be coordinated with FERC and filed.

DEPARTMENT OF ENERGY & SANDIA NATIONAL LABORATORIES

- **October 23, 2006:** The Department of Energy released the Sandia Surety Assessment Report to NAESB for analysis and response**.** Changes are reflected in the 2007 plans and work is underway to address the issues raised. The WEQ response was completed in the first quarter 2007 and the WGQ response is expected in yearend, after which NAESB will respond to the DoE.

NATIONAL ASSOCIATIONS OF REGULATORY UTILITY COMMISSIONERS

- Update calls of one hour each month are held to brief commissioners and staff on NAESB activities. The monthly update schedule, agenda, work papers and notes can be accessed from the NAESB web site (http://www.naesb.org/monthly_update.asp). These conference calls are open to all interested parties and the materials for the calls can be accessed from the NAESB web site at the above address.
- **Planned 2007:** Monthly update calls in 2007 are scheduled for January 31, March 14, May 23, July 25, September 12 and December 5.
- **January 31, 2007:** A monthly update call was held to discuss seams issues, demand side management activities, the e-tariff activities, the PKI standards recently adopted, the creation of a new segment in the WEQ and an update on the coordination efforts with NERC on TLR.
- **February 17, 2007:** The NAESB Advisory Council meeting took place in conjunction with the NARUC winter session. The meeting was scheduled from 4:00 PM to 6:00 PM Eastern at the Renaissance Washington Hotel in Washington, DC. It was well attended, and the agenda covered such items as DSM, EE, gas-electric interdependency, participation by the ISOs, coordination with NERC, gas quality, and OATT reform.
- **February 18, 2007:** A primer from Jimmy Glotfelty of ICF regarding the GEIC report produced on June 22, 2006 and a primer from Ken Costello of NRRI regarding the GEIC report on July 30, 2006 was published in support of the NAESB filing made on February 22, 2006. The FERC NOPR (Docket Nos. RM05-5-001 and RM96-12-027) regarding this filing was made available on October 25 to address communication standards. Valerie Crockett and Rae McQuade participated in the NARUC winter session on this issue on February 18, 2007.

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- **March 14, 2007:** A monthly update call was held to discuss seams issues, demand side management activities, the e-tariff activities, the creation of a new segment in the WEQ, the gas quality efforts, the Advisory Council and an update on the efforts to address standards issues in Order 890.
- **May 23, 2007:** A monthly update call was held to review the various projects underway at NAESB include: the coordination with NERC to complete the NERC split version of the TLR standards; the progress to date on FERC Order 890; the development of standards to address e-Tariff; Gas Quality; and Demand Side Management and Energy Efficiency.
- **July 15, 2007:** Rae McQuade updated the gas staff subcommittee on recent activities including Order 698, e-Tariff, DSM and gas quality.
- **July 25, 2007**: NAESB subcommittee chairs provided reviews of the various projects underway at NAESB including the development of standards to address e-Tariff; Demand Side Management and Energy Efficiency; the progress to date on FERC Order 890; and FERC Order 698.
- **September 12, 2007**: The topics on the call included coverage of the DSM and Energy Efficiency Subcommittee efforts; e-Tariff Subcommittee efforts; the work of the WGQ Business Practices Subcommittee on Order 698; the Planning for the 2008 Annual Plans; an Update on the efforts in the WEQ to address Order 890; and an update on TLR.
- **Planned, November 6, 2007**: Ms. McQuade, Mr. Koogler and Mr. Desselle will visit with Commissioners Kerr and Ervin regarding NAESBactivities in DSM, DR and EE.
- **Planned, November 11-14, 2007**: Ms. McQuade and Ms. Kennedy will attend the NARUC Annual Convention in Anaheim, California. Ms. McQuadewill moderate a DSM-EE panel with Mr. Koogler and Mr. Haynes as speakers along with speakers from the DoE, ConEd and NASUCA.
- **Planned, December 5, 2007**: The December Monthly Update Call is scheduled on December 5, 2007 form 2:00 pm to 3:00 PM Eastern. The topics on this call will provide an overview of the hot topics underway at NAESB in the WEQ, the WGQ, and the Retail Quadrants.

NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION

- **April 5, 2007:** NAESB met with NERC administration in Princeton to address TLR delays, joint publication scenarios for revenue neutral solutions, joint development concerns and coordination of Order 890 tasks and filings with the FERC.
- **September 28, 2007:** NAESB met with NERC administration in Washington, DC to discuss copyright waivers so NERC can publish the NAESB TLR standards in a standards manual.