Gas Industry Standards Board

Executive Committee Meeting

June 15, 2000

GAS INDUSTRY STANDARDS BOARD
EXECUTIVE COMMITTEE MEETING
MEETING MATERIALS
JUNE 15, 2000

TABLE OF CONTENTS

Gas Industry Standards Board

1100 Louisiana, Suite 4925, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: gisb@aol.com
Home Page: www.gisb.org

GAS INDUSTRY STANDARDS BOARD
2000 BOARD TERMS

End User Segment		**Term End:**
Lee Smith	Vice President Energy Supply and Marketing, Midland Cogeneration Venture	Dec 31, 2001
Dunham Cobb	Director, Risk Management, Florida Power and Light	Dec 31, 2001
Vicky Bailey	President, PSI Energy, Cinergy Services Corp.	Dec 31, 2001
Janie Mitcham	Vice President, Fuel and Energy Management, Reliant Energy	Dec 31, 2000
Jim Templeton	Principal, Comprehensive Energy Services	Dec 31, 2000
LDC Segment		**Term End:**
Bill Boswell	Deputy General Counsel, Dominion Resources	Dec 31, 2001
Adrian Chapman	Vice President, Regulatory Affairs & Energy Acquisitions, Washington Gas	Dec 31, 2001
Reed Horting	Vice President, Gas Supply & Transportation, PECO Energy Co.	Dec 31, 2001
Walt DeForest	Senior Vice President, National Fuel Gas Distribution	Dec 31, 2000
Lee Stewart	President, Energy Transportation Services, Southern California Gas Co	Dec 31, 2000
Pipeline Segment		**Term End:**
Terry McGill	President, Columbia Gulf Transmission	Dec 31, 2001
John Somerhalder	President, El Paso Energy Pipeline Group	Dec 31, 2001
Stan Horton	Chairman & CEO, Enron Gas Pipeline Group	Dec 31, 2000
Ron Mucci	Senior Vice President Shared Services, Williams Gas Pipeline	Dec 31, 2000
Bob Reid	Senior Vice President, Colorado Interstate Gas & American Natural Resources	Dec 31, 2000
Producer Segment		**Term End:**
William T. Benham	Vice President, Regulatory Affairs, BP Amoco Natural Gas Group	Dec 31, 2001
Allan Knopp	Director, Regulatory Affairs, Conoco	Dec 31, 2001
Hugh Roberts	Manager of Industry and Regulatory Affairs, Marathon	Dec 31, 2001
Abigail Bailey	Regulatory Manager, Texaco Natural Gas	Dec 31, 2000
Pete Dickson	Manager, North America – East, ExxonMobil Gas Marketing Company	Dec 31, 2000
Services Segment		**Term End:**
Julie Gomez	Vice President, Enron Capital & Trade Resources	Dec 31, 2001
Greg Lander	Principal, CapacityCentral.com	Dec 31, 2001
Steve Bergstrom	President & COO, Dynegy Marketing and Trade	Dec 31, 2000
Lyn Maddox	President & CEO, PG&E Energy Trading	Dec 31, 2000
Marty Patterson	General Manager Marketing Operations, IDACORP Energy Solutions	Dec 31, 2000

Stan Horton is serving as chairman of the Board of Directors, Bill Boswell is first vice-chair, and Hugh Roberts is second vice-chair and treasurer. Rae McQuade as Executive Director serves as secretary.

Gas Industry Standards Board
1100 Louisiana, Suite 4925, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: gisb@aol.com
Home Page: www.gisb.org

GAS INDUSTRY STANDARDS BOARD
2000 EXECUTIVE COMMITTEE TERMS

End User Segment		**Term Ending:**
Diane McVicker	Principal, Fuel Supply Analyst, Salt River Project	Dec 31, 2002
Bill Hebenstreit	Vice President Contract Services, El Paso Merchant Energy	Dec 31, 2002
Kelly Daly	Partner, Morrison & Hecker, rep. Arizona Public Service Co.	Dec 31, 2001
Dona Gussow	Contracts Coordinator, Florida Power and Light	Dec 31, 2000
Tina Patton	Natural Gas Operations Administrator, Boeing	Dec 31, 2000
LDC Segment		**Term Ending:**
Bob Betonte	Pipeline Products Manager, Southern California Gas	Dec 31, 2002
Dolores Chezar	Manager, Federal Regulation, KeySpan Energy	Dec 31, 2002
Chris Maturo	Manager, Energy Access System Project, NIPSCO Industries	Dec 31, 2001
Mike Novak	Assistant General Manager, National Fuel Gas Distribution	Dec 31, 2000
Steve Sullivan	Regulatory Manager of Gas Supply, Consolidated Edison of NY	Dec 31, 2000
Pipeline Segment		**Term Ending:**
Mark Gracey	Consultant – Business Processes, Tennessee Gas Pipeline Co.	Dec 31, 2002
Bill Griffith	Director, Transmission & Storage, Colorado Interstate Gas Co.	Dec 31, 2002
Dale Davis	Team Leader, Williams Gas Pipelines	Dec 31, 2001
Paul Love	Director, Electronic Customer Services, NGPL	Dec 31, 2000
Kim Van Pelt	GISB Coordinator, CMS Panhandle Eastern Pipeline	Dec 31, 2000
Producer Segment		**Term Ending:**
Joyce Phillips	Regulatory Analyst, PanCanadian Petroleum	Dec 31, 2002
Paul Keeler	Managing Attorney, Marketing, Burlington Resources	Dec 31, 2002
Scott Brown	Manager, Supply & Transportation Support, Marathon Oil	Dec 31, 2001
Richard Smith	Director, Regulatory Affairs, ExxonMobil	Dec 31, 2000
Michael Johnson	Area Manager-Transportation and Regulatory, Chevron	Dec 31, 2000
Services Segment		**Term Ending:**
Mark Scheel	Manager Governmental Affairs, Dynegy Inc.	Dec 31, 2002
Carl Caldwell	Director, Consulting Services, CGI	Dec 31, 2002
Sylvia Munson	Regulatory Advisor, Altra Energy Technologies	Dec 31, 2001
Jim Buccigross	Vice President, Group 8760	Dec 31, 2000
Keith Sappenfield	Director Marketing Support, Reliant Energy	Dec 31, 2000

Gas Industry Standards Board
1100 Louisiana, Suite 4925, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: gisb@aol.com
Home Page: www.gisb.org

GAS INDUSTRY STANDARDS BOARD

Executive Committee Calendar for 2000

February	10-11	Hosted by Salt River Project and Arizona Public Service Phoenix, Arizona
April	13-14	Hosted by Florida Power and Light South Palm Beach, Florida
June	15-16	Hosted by Boeing Seattle, Washington
August	24-25	Hosted by Proxicom San Fransisco, California
October	12-13	Hosted by Colorado Interstate Gas Colorado Springs, CO
December	14-15	Hosted by El Paso Energy Houston, Texas

GAS INDUSTRY STANDARDS BOARD

Board of Directors Calendar for 2000

March 2	Houston, Texas
June 8	Houston, Texas
September 27	San Antonio, Texas
December 7	Houston, Texas

GAS INDUSTRY STANDARDS BOARD
EXECUTIVE COMMITTEE MEETING
MEETING MATERIALS
JUNE 15, 2000

1. Welcome and Opening Remarks

- The meeting specifics are:

  WHERE: Museum of Flight
  9404 E. Marginal Way South
  Seattle, Washington

  WHEN: Thursday, June 15, 2000
  9:00 a.m. to 5:00 p.m.

- The chairman may elect to extend the hours of the meeting if more time is required to complete the agenda.

- For further assistance please reach:

  Veronica Thomason at (713) 356 - 0060

- The officers presiding over the Executive Committee meeting are:

Jim Buccigross	- Chairman
Mike Novak	- Vice Chairman
Rae McQuade	- Executive Director
Jay Costan	- General Counsel

- Transcripts will be available from Jane Copeland, Ak/Ret Reporting, Inc. and can be ordered either during the meeting, or by calling 361-882-9037.

1. Antitrust Guidelines

- GISB General Counsel Jay Costan will review the antitrust guidelines. The points are:

Antitrust guidelines direct meeting participants to avoid discussion of topics or behavior that would result in anti-competitive 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.

1. Adoption of Agenda

- The proposed agenda, attached, has been distributed and is available on GISB's home page.
- **The Executive Committee is requested to review the agenda, suggest changes if needed, and vote to adopt the agenda.**

Gas Industry Standards Board
1100 Louisiana, Suite 4925, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: gisb@aol.com
Home Page: www.gisb.org

TO:	GISB Executive Committee Members & Alternates, Posting for Interested Industry Participants
FROM:	Rae McQuade, Executive Director
RE:	Draft Agenda for Executive Committee Meeting – June 15, 2000
DATE:	May 18, 2000

GAS INDUSTRY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING
Boeing Company, Museum of Flight, Seattle, Washington
Thursday, June 15, 2000 – 9:00 a.m. to 5:00 p.m.

DRAFT AGENDA

The Executive Committee (EC) will meet in Seattle on June 15, 2000 from 9:00 a.m. to 5:00 p.m. The EC meeting is hosted graciously by Boeing company, arranged by Ms. Tina Patton. Below are the meeting arrangements:

WHERE:	Museum of Flight 9404 E. Marginal Way South Seattle, Washington
WHEN:	Thursday, June 15, 2000 9:00 a.m. to 5:00 p.m.

A printed copy of the materials for the meeting will be provided shortly to EC members or their alternates for this meeting and presenters. The materials will be posted on the GISB Home Page in the "Executive Committee" area for attendees to download. To order a printed copy of the materials, please notify the GISB office. The cost of the printed materials is $35.00.

Please notify the GISB office by Monday, June12 of your intent to attend so that appropriate meeting arrangements can be made. 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.

For those EC members and attendees making travel arrangements, the list of nearby hotels is posted on the GISB home page, and is attached to the draft agenda. I look forward to seeing you at the meeting.

The June 16 meeting date is tentatively scheduled for the members of the EC and others who are interested to meet on FERC Order No. 637, also to be hosted by Boeing in Seattle. A decision on whether this date is needed should be determined at their next meeting on May 24. If it is needed, conference calling will also be available for those who cannot travel to Seattle for the meeting.

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

Best Regards,

Rae McQuade

Gas Industry Standards Board
1100 Louisiana, Suite 4925, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: gisb@aol.com
Home Page: www.gisb.org

GAS INDUSTRY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING
Boeing Company Hosting at the Museum of Flight, Seattle, Washington
Thursday, June 15, 2000 – 9:00 a.m. to 5:00 p.m.

MEETING ARRANGEMENTS

The museum is located half way between downtown Seattle and the airport (closer to the airport). GISB guests will also be provided with complimentary admission badges to the museum for a self-tour of the Great Gallery until 9:00 p.m. Air Force One and The Red Barn (the original Boeing building) close at 5 p.m. Attached is a map. Below are some nearby hotels.

Near the airport:

Radisson Hotel Sea-Tac
17001 Pacific Hwy S
Seattle, WA 98188
Phone: 206 244-6000

Seattle Airport Marriott Hotel
3201 S 176th St
Seattle, WA 98188
Phone: 206 241-2000

Wyndham Garden SeaTac Airport
18118 Pacific Hwy S
Seattle, WA 98188
Phone: 206 244-6666

Doubletree Airport
18740 Pacific Hwy S
Seattle, WA 98188
Phone: 206 246-8600

Near downtown:

Madison Renaissance
515 Madison St
Seattle, WA 98104
Phone: 206 583-0300

Crowne Plaza
1113 6th Ave
Seattle, WA 98101
Phone: 206 464-1980

Cavanaughs
1415 Fifth Ave
Seattle, WA 98101
Phone: 206 971-8014

Sheraton Seattle Hotel & Towers
1400 6th Ave
Seattle, WA 98101
Phone: 206 621-9000

The Westin Hotel
1900 5th Ave
Seattle, WA 98101
Phone: 206 728-1000

Ms. Patton will set up reservations for the Spirit of Washington Dinner Train excursion for Thursday evening for interested parties. The cost is $59.95 for regular seating and $69.95 for Dome seating. A website (http://interactive.wsj.com/articles/SB95713488952730309.htm) provides additional information. If you interested in attending this excursion, please contact the GISB office by June 9 so that arrangements can be made.

Gas Industry Standards Board
1100 Louisiana, Suite 4925, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: gisb@aol.com
Home Page: www.gisb.org

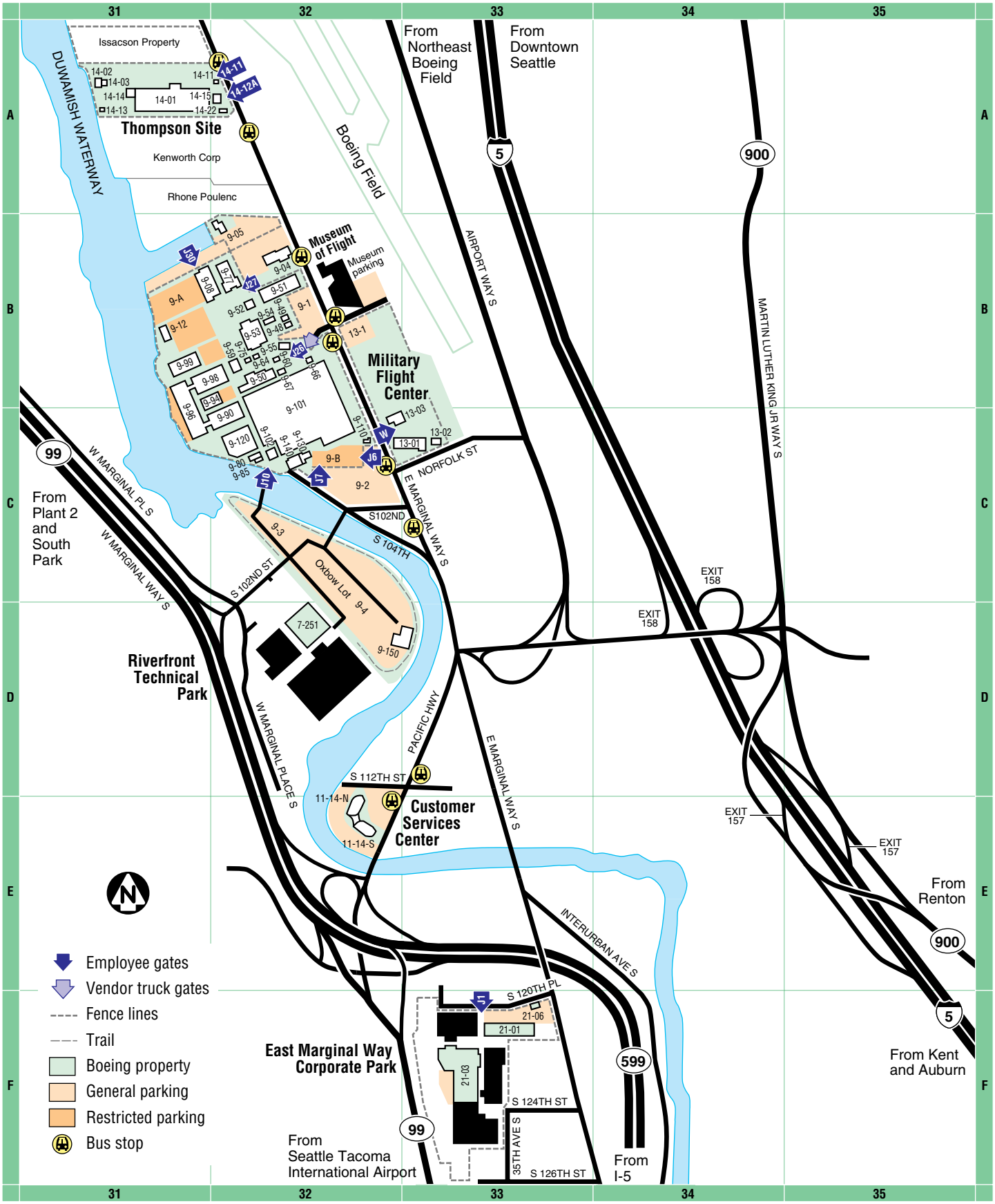
GAS INDUSTRY STANDARDS BOARD EXECUTIVE COMMITTEE MEETING
Boeing Company Hosting at the Museum of Flight, Seattle, Washington
Thursday, June 15, 2000 – 9:00 a.m. to 5:00 p.m.

DRAFT AGENDA

9:00 a.m.	1.	Welcome • Antitrust Guidelines • Welcome to members and attendees • Adoption of Agenda • Adoption of Draft Minutes of April 13, 2000
9:30 a.m.	2.	Discussion and Vote on New Requests • Scope Determination and Triage Recommendation for New Requests
10:00 a.m.	3.	Discussion and Vote on Recommendations for Proposed Standards
Noon		Lunch
1:00 p.m.	4.	Board Actions • Board Resolutions on Retail Marketing
2:00 p.m.	5.	Special Reports: • Update on EDM AS2 Efforts • Update on XML Subcommittee Efforts • Update on Expedited Data Development Subcommittee Efforts • Update on Order 637 Task Force Efforts
3:00 p.m.	6.	Update on 2000 Annual Plan & Subcommittee Reports
4:00 p.m.		Other Business
5:00 p.m.		Adjourn

Washington – Developmental Center

9725 East Marginal Way South, Seattle, WA 98108



Revised 3-00

GAS INDUSTRY STANDARDS BOARD
EXECUTIVE COMMITTEE MEETING
MEETING MATERIALS
JUNE 15, 2000

1. Adoption of Minutes

- The minutes of April 13, 2000 are posted on the home page for review and are included in these materials for vote to adopt. **The Executive Committee is requested to review the draft minutes, suggest additional changes if needed, and vote to adopt as minutes of the meeting.**

Gas Industry Standards Board
1100 Louisiana, Suite 4925, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: gisb@aol.com
Home Page: www.gisb.org

TO: Executive Committee (EC) Members
Posting for Interested Industry Participants
FROM: Rae McQuade, Executive Director
RE: Draft Minutes from the Executive Committee Meeting – April 13, 2000
DATE: April 13, 2000

GAS INDUSTRY STANDARDS BOARD

GISB EXECUTIVE COMMITTEE MEETING

Florida Power and Light, West Palm Beach, Florida

April 13, 2000

DRAFT MINUTES

I. Administrative

Mr. Buccigross welcomed the attendees and the Executive Committee (EC) members to Palm Beach and thanked Ms. Gussow of Florida Power and Light for hosting the meeting. Mr. Costan gave the antitrust advice. The agenda was adopted with the addition of an update on ANSI X12 subcommittee timelines, and the discussion on cross contract ranking was moved up on the agenda. With modifications made during the meeting, the redlined minutes for February 10 were adopted. For a full accounting of the discussion from today's meeting, the transcripts should be ordered from Ms. Copeland of Ak/Ret Reporting (361-882-9037).

II. New Requests

Ms. Phillips presented the new requests. For R00003, the Triage Group recommended that the EC find the request in scope and send it to the Business Practices Subcommittee (BPS) to be addressed in the normal course of addressing nominations requests. The Triage Group further recommended that request no. R00003 be addressed concurrently with request no. R00006. The EC found request no. R0003 in scope. A subsequent motion was made to find the remaining requests (request nos. R00004, R00005 and R00006) within scope. The EC found that the remaining requests were within scope.

Ms. Hess questioned why request no. R00003 was sent to BPS to be addressed with nominations. The response was that request no. R00003 was recommended to be sent to BPS to be addressed with the nominations requests and to be addressed concurrently with request no. R00006 because both requests address charge type, which originates in the nominations transactions. The Triage Group also noted that there may be new business practices reflected in the code values noted in the request, so the two requests should be forwarded to BPS prior to being sent to the Information Requirements Subcommittee (IR). Ms. Hess asked that both requests be sent to Information Requirements Subcommittee but request no. R00006 should be done first. Mr. Scheel noted that GISB should not proliferate code values unless there is an underlying business practice. Mr. Love supported Ms. Hess' request as he viewed this request as a service option issue. Ms. Munson noted that there may be the need for two fields, and as such BPS should review the request. Mr. Keisler noted that IR does not continually add codes without close review and analysis. Mr. Keeler noted a function of code values was to provide flexibility in implementation and a such he supported additional code values to support company specific implementations. Ms. Davis supported Mr. Keisler's comments, and added that if an additional field is needed, IR would send the request back to BPS. Mr. Novak noted that there may be business issues involved as the request could affect more than the company

that offered the request. Ms. Phillips noted that the request may address business practice issues of capacity allocations. The vote was taken to send request nos. R00003 and R00006 to BPS to be addressed concurrently in the normal course of addressing nominations requests. The motion carried with 17 affirmative votes and 5 votes in opposition.

Request Nos. R00004 and R00005 were discussed together. The Triage Group recommended sending the requests to BPS to be addressed in the normal course of addressing flowing gas requests. A motion was made to adopt the triage recommendation, which was adopted through a unanimous vote.

III. Recommendations for Proposed Standards

C99002 In response to a request for interpretation regarding the allowable values for the PID01 field in the three PID segments of the GISB Nomination Quick Response, change the Nomination Quick Response (1.4.2) X12 Mapping: "Sub-detail PID Segment (position 510), element PID01: Modify “S” code value to “X”."

The recommendation was presented by Ms. Breeden. Mr. Love moved that the recommendation be adopted which was seconded by Ms. Phillips. Ms. Breeden noted that there is no interpretation; the request was addressed through the technical mapping. The motion passed unanimously.

R97046 The recommendation is to decline the request to add two definitions to the GISB Business Practice Standards. These definitions are as follows:

1. Transportation is defined as the physical movement of gas through space and/or time.
2. A Transportation Service Provider is defined as an entity which operates physical facilities which facilities accomplish the movement of gas through space and/or time and which entity contracts with others to so move gas not owned by the entity through such facilities.

The recommendation was presented by Ms. Phillips. It was noted during the discussion that FERC defines these terms. Ms. Hess moved that the recommendation be adopted which was seconded by Ms. Davis. Mr. Costan had previously noted that to decline a request is a simple majority vote. The vote to decline the request was called; it passed unanimously. Mr. Costan will write a paper on voting actions on recommendations for standards and standard modifications prior to the next EC meeting.

R98042 No changes are recommended. This request has already been fulfilled by the actions taken on request no. R98057. (Referenced EII Task Force (10/2/98) – Discussion only. EII Task Force (11/4/98) –identified as IR3)

The recommendation was presented by Ms. Phillips. It was noted that the requester supported the determination that the request has been addressed through request no. R98057. Mr. Sappenfield moved that the recommendation be adopted which was seconded by Mr. Caldwell. While Mr. Costan noted that no vote is necessary, there was a discussion on how to take the vote. Mr. Costan added that either a simple majority or a "17/2" vote would be appropriate to adopt the recommendation. Mr. Buccigross noted that to err on the side of

caution, a "17/2" vote would be used. The vote was taken and the motion passed unanimously.

R98055 Add a code value description to the Transaction Type in the Nomination (1.4.1), Scheduled Quantity (1.4.5), Pre-determined Allocation (2.4.1), Allocation (2.4.3), Shipper Imbalance (2.4.4), and Transportation/Sales Invoice (3.4.1). (Referenced EII Task Force (11/20/98) – identified as IR16)

The recommendation was presented by Ms. Phillips and Mr. Keisler. Mr. Sappenfield moved that the recommendation be adopted which was seconded by Mr. Scheel. There was no discussion. The vote was taken and the motion passed unanimously.

R98089 Add a code value description to the Transaction Status Code in the Confirmation Response (1.4.4) to indicate that the entire transaction was rejected due to header level errors. Transaction Status Code will be added pending the approval of R98043. Add the data element 'Validation Code' to the header level of the Confirmation Response (1.4.4). Add five (5) code value descriptions to the Validation Code in the Confirmation Response (1.4.4). Change the Technical Implementation of Business Process for the Confirmation Response (1.4.4). (Referenced EII Task Force (12/18/98) – identified as IR34)

The recommendation was presented by Mr. Keisler. He noted that request no. R98043 failed at the prior EC meeting, so code values need to be removed. He recommended that a motion be made to not accept the recommendation. Ms. Davis moved that the recommendation be declined which was seconded by Ms. Hess. A break was taken so that the motion could be discussed. After the break, Ms. Davis removed her motion. Mr. Caldwell moved that the recommendation be adopted which was seconded by Ms. Hess. The motion failed with all opposed.

Ms. Hess made the following motion which was seconded by Ms. Davis: "Send the following instructions to the Technical Subcommittee: Modify the x12 implementation guide for the Confirmation Response (1.4.4) to remove the ANSI code values for the Acknowledgement Type in the BAK02 element." The vote simple majority) was taken and the motion passed unanimously.

R99038 Add 'Maximum Rate Indicator' data element to the Nomination. Revise GISB Standard No. 1.3.54 to include the new data element. Add two code value descriptions for the new Maximum Rate Indicator data element. Add one warning and two error code value descriptions for the Validation Code data element in the Nomination Quick Response. (Referenced EII Task Force (June 22, 1999) – identified as IR54)

Mr. Keisler presented the recommendation. Ms. Davis made the motion which was seconded by Mr. Caldwell to adopt the recommendation. Mr. Novak asked if this recommendation applies only to interruptible transportation -- Is there a broader applcation for this recommendation based on Order No. 637? It was noted that this question may be addressed in tomorrow's meeting a as a separate issue. The motion passed unanimously.

R99046 Modify the Transportation/Sales Invoice (3.4.1) to allow multiple Charge Types to be sent for each Line Number. Add a new data element called Charge Type Rate to the Transportation/Sales Invoice (3.4.1) at the Charge Type level. Add a new data group called the Charge Type Data Group to the Transportation/Sales Invoice (3.4.1) incorporating the Charge Type and the Charge Type Rate.

Change the Technical Interpretation of Business Process for the Transportation/Sales Invoice (3.4.1).

Mr. Keisler presented the recommendation. Ms. Davis made the motion to adopt the recommendation which was seconded by Ms. Hess. There was no discussion. The motion passed unanimously.

R99047 Add the data element 'Accounting Period' to the Transportation/Sales Invoice (3.4.1). Change the Technical Interpretation of Business Process for the Transportation/Sales Invoice (3.4.1).

Mr. Keisler presented the recommendation. Ms. Phillips made the motion to adopt the recommendation, which was seconded by Mr. Keeler. There was no discussion. The motion passed unanimously.

R99049 Add data element 'Remit to Party' to the Invoice and the Service Requester Level Charge/Allowance Invoice.

Mr. Keisler presented the recommendation. Mr. Caldwell made the motion to adopt the recommendation, which was seconded by Mr. Love. There was no discussion. The motion passed unanimously.

R99051 Change the usage codes on seven data elements in the Invoice from BC to SO. Change the usage codes on six data elements in the Service Requester Level Charge / Allowance Invoice from BC to SO.

Mr. Keisler presented the recommendation. Ms. Davis made the motion to adopt the recommendation, which was seconded by Mr. Keeler. There was no discussion. The motion passed unanimously.

IV. Board Actions

Mr. Buccigross, Mr. Novak and Ms. McQuade reviewed the Board actions taken to date regarding the request from the Coalition of Uniform Business Rules to develop standards for retail gas and electric markets. The discussions with various trade associations and the industry wide meeting results were reviewed. There are two further meetings planned for April 17 and April 24, after which a report will be made to the board of Directors at its June 8 meeting. The board resolution, which supported the task force actions to date, was reviewed.

For response to FERC Order No. 637, the board noted it was a higher priority than the other Annual Plan items and should be added to the Annual Plan. A task force was formed, chaired by Ms. Corman and Ms. Corcoran. The group is charged with preparing the plan for presentation to the EC for adoption after which the tasks highlighted on the plan would be given to the appropriate subcommittees for work. Mr. Keeler made the motion, seconded by Mr. Scheel that the Executive Committee establish a subcommittee, Order No. 637 GISB Action Subcommittee, responsible for the identifying and assigning standards development and modifications work necessary to be responsive to FERC Order No. 637. This subcommittee will use a balanced voting procedure. The motion carried unanimously.

[Out of Order – Discussed directly after lunch.] Ms. Hess discussed the publication of the next version of GISB standards. Ms. Hess made the following motion seconded by Ms. Davis: "The next publication of the GISB standards books will be postponed until after the scheduled July 31 publication date. The new publication date will be determined after the EC reviews the work plan provided by the Order No. 637 GISB Action Subcommittee." The motion passed unanimously.

V. Special Reports

Mr. Caldwell gave the EDM AS2 update. A recommendation on AS2 should be in front of the EC at its next meeting. The subcommittee did not recommend an implementation date but may ask the EC to do so. Draft language in the March 23 EDM subcommittee minutes references this possible instruction: "As a result of recommended changes to the EDM implementation guide for convergence with the "HTTP Transport for Secure EDI" (a.k.a. EDIINT AS2), the EDM subcommittee is recommending to the Executive Committee to consider the issue of an implementation timeline. The EDM subcommittee recognized that the industry trading partners may experience unexpected transition problems if the a time line is not developed to outline time periods and deadlines necessary for development, testing and implementation. " Mr. Love noted that some companies have no choice on implementation timeline, which is determined through regulatory action.

For XML Subcommittee, Mr. Buccigross described this week's XML Subcommittee, chaired by Bill Hunsicker. A report from the XML Subcommittee is expected for the August EC meeting. The report should offer information to the Executive Committee regarding whether we should undertake XML standards for our transactions. The previous XML work paper is posted under Future Technology Task Force (FTTF) and will be cited on the XML page as a historical document. Critical dates for the subcommittee were reviewed – May 8 for submittals of report sections and a May 15 drafting meeting.

For the Expedited Data Development Subcommittee (EDD), Ms. Hess described the first meeting of EDD with excellent progress made. Preliminary data dictionaries for imbalance netting and trading have been sent to the Technical Subcommittee. The next meeting is scheduled for May 9 and 10. On May 4, the Imbalance Subcommittee conference call is to be held to respond to EDD questions. The EBB Internet Implementation Subcommittee (EII) questions on data groups and ordering will be directed to the Imbalance Subcommittee. A motion was made to this affect, which passed unanimously.

For the ANSI Compliance task force, Ms. Breeden reviewed the timeline provided in the meeting materials. She brought attention to the tasks where the ANSI Compliance Team is making changes to the Nomination, Request for Confirmation, Confirmation Response, Scheduled Quantity and Scheduled Quantity for Operator transactions to use the new ANSI 873 document. These changes should be presented at the next EC meeting. While a new map for each transaction is required to use the 873 document, the hierarchal structure of the data remains the same. The ANSI Compliance task force was thanked for its efforts in ANSI and DISA to establish the 873 and 874 documents.

[Break taken for lunch.]

VI. Confirmations and Cross Contract Ranking

Mr. Scheel explained in conversations with the FERC, they indicated that more information is needed regarding confirmations and cross contract ranking (CXKR). Similar to intraday nominations, where standards were sent to the FERC with a blank in the standards showing a clear need for a policy call, Mr. Scheel noted that the policy call needs to be made by the FERC. He added that this information should be contained in a supplemental report – indicating the need for FERC assistance before going forward. Mr. Scheel noted three polarization issues, which could not be resolved (S1, S2 and S3).

Mr. Keeler noted that in response to Order No. 587-G, GISB undertook this effort. A supplemental report should be filed by GISB with the FERC that we cannot proceed further on CXKR without FERC guidance on S1, S2 and S3 (as defined in the November 1999 EC minutes):

S1 Proposed Standard 1

Absent mutual agreement to the contrary, the standard level of confirmation should be entity to entity.

S2 Amended Revised Proposed Standard 2

As part of the confirmation and scheduling process upon request, the TSP should make available, via EBB/EDM, supplemental information obtained during or derived from the nomination process. Such supplemental information, if available, should include the TSP's Service Requester Contract and, based upon the TSP's business practice may also, on a mutually agreeable basis, include 1) a derivable indicator characterizing the type of contract and service being provided, 2) Downstream Contract Identifier and/or 3) Service Requester's Package ID.

S3 Proposed Standard 3

Absent mutual agreement to the contrary between the TSP and the Operator for confirmations at a production location, the TSP should support the fact that the operator will confirm with the TSP to only the upstream entity level. These upstream entities should either confirm or nominate (at the TSP's determination) at an entity level with the TSP.

Ms. Chezar and Mr. Caldwell noted that the package of standards have not been voted out by the EC with S2 and S3 as blanks – similar to the EC vote taken on intraday nominations with a blank. Ms. McVicker and Mr. Novak responded that this type of vote cannot be taken because all the parts are integral for consideration – they cannot be taken in pieces. There was concern that any subsequent report would be a form of advocacy. Similarly there was concern that the report filed with the Commission may imply that the industry does not want confirmations and cross contract ranking. Some noted that they did not have interest in standards for confirmations and cross contract ranking. Others noted that they expected FERC to make some calls on these issues when the EC failed to adopt the work of the subcommittee.

Mr. Scheel made the motion, seconded by Mr. Keeler that: "GISB will file supplemental report with the FERC indicating that without FERC direction on unresolved policy issues no further progress can be made on Confirmations and Cross Contract Ranking."

The motion passed with 15 in favor, 7 opposed and 2 abstaining.

Mr. Keeler made the motion, seconded by Mr. Scheel that the communication with the FERC be:

"In Order No. 587-G, the Commission indicated that GISB should consider the development of standards addressing cross contract ranking. GISB has attempted to do so, but was unable to achieve industry consensus on a common set of standards. The inability to achieve consensus was due to disagreement on certain policy issues, as evidenced by the report previously submitted to the Commission in this regard (filed with the Commission on xxxxx). If the Commission expects GISB to further consider a set of standards addressing Confirmations and Cross Contract Ranking, it should provide GISB with guidance on these policy issues."

The Editorial Review Board will have final approval on communications with the FERC.

The motion passed with the resulting vote of 18 in favor, 5 opposed, 1 abstention.

VII. 2000 Annual Plan

For the BPS, they are beginning requests on nominations related issues and have

recently completed the capacity release related issues. For IR, the changes to the capacity release dictionary for usages for EBB are complete and the subcommittee is now working on imbalance statement requests. For the Technical Subcommittee, there is no backlog, and they will work on IR and EDD requests as received. The ANSI compliance report has already been already given. The FTTF is working on an interoperability survey. The Contracts Subcommittee will hold its first meeting on April 24. There is an Order 637 task force meeting tomorrow.

VIII. Adjourn

The meeting adjourned at 3:20 p.m.

IX. Attendance and Voting Record

Executive Committee	Segment	Present	Member
	End Users	✔	Joel Greene for the vacancy
		✔	Kelly Daly
		✔	Dona Gussow
		✔	Diane McVicker
		✔	Tina Patton
	LDCs	✔	Dolores Chezar
		✔	Chris Maturo
		✔	Mike Novak
		✔	Bob Betonte
			Steve Sullivan
	Pipelines	✔	Bill Griffith
		✔	Dale Davis
		✔	Paul Love
		✔	Theresa Hess for Kim Van Pelt
		✔	Mark Gracey
	Producers	✔	Paul Keeler
		✔	Joyce Phillips
		✔	Mike Johnson
		✔	Richard Smith
		✔	Scott Brown for the vacancy
	Services	✔	Jim Buccigross
		✔	Carl Caldwell
		✔	Keith Sappenfield
		✔	Mark Scheel
		✔	Sylvia Munson

Administrative:	Rae McQuade	- Executive Director
	JoAnn Garcia	- GISB Staff
	Veronica Thomason	- GISB Staff
	Jay Costan	- GISB General Counsel
	Jane Copeland	- Ak/Ret Reporting
	Laurie Paulson	- Hoffman-Paulson

Voting Record

Member	C99002	R97046	R98042	R98055	R98089(1)	R98089(2)
Mark Gracey	✔	✔	✔	✔	✘	✔
Paul Love	✔	✔	✔	✔	✘	✔
Bill Griffith	✔	✔	✔	✔	✘	✔
Theresa Hess	✔	✔	✔	✔	✘	✔
Dale Davis	✔	✔	✔	✔	✘	✔
Chris Maturo	✔	✔	✔	✔	✘	✔
Dolores Chezar	✔	✔	✔	✔	✘	✔
Bob Betonte	✔	✔	✔	✔	✘	✔
Mike Novak	✔	✔	✔	✔	✘	✔
Keith Sappenfield	✔	✔	✔	✔	✘	✔
Carl Caldwell	✔	✔	✔	✔	✘	✔
Sylvia Munson	✔	✔	✔	✔	✘	✔
Mark Scheel	✔	✔	✔	✔	✘	✔
Jim Buccigross	✔	✔	✔	✔	✘	✔
Scott Brown	✔	✔	✔	✔	✘	✔
Joyce Phillips	✔	✔	✔	✔	✘	✔
Paul Keeler	✔	✔	✔	✔	✘	✔
Richard Smith	✔	✔	✔	✔	✘	✔
Mike Johnson	✔	✔	✔	✔	✘	✔
Joel Greene	✔	✔	✔	✔	✘	✔
Kelly Daly	✔	✔	✔	✔	✘	✔
Tina Patterson	✔	✔	✔	✔	✘	✔
Diane McVicker	✔	✔	✔	✔	✘	✔
Dona Gussow	✔	✔	✔	✔	✘	✔
Total Votes For	24	24	24	24	0	24
Total Votes Against	0	0	0	0	24	0
Ratification?	yes	no	yes	yes	n/a	no
Pass/Fail	Pass	Pass	Pass	Pass	Fail	Pass

Voting Record Continued

Member	R99038	R99046	R99047	R99049	R99051
Mark Gracey	✔	✔	✔	✔	✔
Paul Love	✔	✔	✔	✔	✔
Bill Griffith	✔	✔	✔	✔	✔
Theresa Hess	✔	✔	✔	✔	✔
Dale Davis	✔	✔	✔	✔	✔
Chris Maturo	✔	✔	✔	✔	✔
Dolores Chezar	✔	✔	✔	✔	✔
Bob Betonte	✔	✔	✔	✔	✔
Mike Novak	✔	✔	✔	✔	✔
Keith Sappenfield	✔	✔	✔	✔	✔
Carl Caldwell	✔	✔	✔	✔	✔
Sylvia Munson	✔	✔	✔	✔	✔
Mark Scheel	✔	✔	✔	✔	✔
Jim Buccigross	✔	✔	✔	✔	✔
Scott Brown	✔	✔	✔	✔	✔
Joyce Phillips	✔	✔	✔	✔	✔
Paul Keeler	✔	✔	✔	✔	✔
Richard Smith	✔	✔	✔	✔	✔
Mike Johnson	✔	✔	✔	✔	✔
Joel Greene	✔	✔	✔	✔	✔
Kelly Daly	✔	✔	✔	✔	✔
Tina Patterson	✔	✔	✔	✔	✔
Diane McVicker	✔	✔	✔	✔	✔
Dona Gussow	✔	✔	✔	✔	✔
Total Votes For	24	24	24	24	24
Total Votes Against	0	0	0	0	0
Ratification?	yes	yes	yes	yes	yes
Pass/Fail	Pass	Pass	Pass	Pass	Pass

Gas Industry Standards Board
1100 Louisiana, Suite 4925, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: gisb@aol.com
Home Page: www.gisb.org

Observers to the Meeting – April 13, 2000:

Name	Company	GISB Member
PIPELINES:		
Dennis LaTour	ANR Pipeline	Yes
Joe Bianchi	ANR Pipeline	Yes
Pearl Muller	El Paso Natural Gas	Yes
Bill Grygar	Panhandle Eastern	Yes
Prince McDougal	Southern Natural Gas	Yes
Denise Breeden	Tennessee Gas Pipeline	Yes
Jim Keisler	Williams Gas Pipeline	Yes
Kurt Link	Williston Basin Interstate	Yes
LDCs:		
Mike Shahan	Dominion Resources - Peoples Natural Gas	Yes
SERVICES:		
Cynthia Corcoran	Corcoran Law Offices	Yes
Pete Whatley	Dynegy Marketing and Trade	Yes
Leigh Spangler	Latitude Technology	Yes
END USERS		
Veronica Jones	Defense Energy Support Center	Yes
ASSOCIATIONS:		
Miriam Arnaout	AGA	

2. New Requests

- Attached are the new requests received and the Triage Subcommittee Report.
- **The Executive Committee is asked to review the Triage report and determine the disposition of the listed requests including whether or not they are within GISB's scope. Additional requests which have been received since the Triage Group meeting are also included.**

TO:	**Triage Subcommittee:** Greg Lander, Services (Chair), Kim Van Pelt (Pipelines), Bob MacNally (LDC's), Producer vacancy, Diane McVicker, (End-users), Posting for Interested Industry Participants
FROM:	Rae McQuade, Executive Director
RE:	Draft Minutes from the Triage Subcommittee Meeting
DATE:	May 24, 2000

GAS INDUSTRY STANDARDS BOARD

TRIAGE SUBCOMMITTEE MEETING

Teleconference Call: May 24, 2000

DRAFT MINUTES

I. Administrative

Mr. Lander chaired the meeting and welcomed the participants. Mr. Lander identified the participants in a roll call. Mr. Lander gave the antitrust advice. The draft agenda was adopted.

2. New Requests:

R00007: Submitted by Enron Gas Pipeline Group

> To add a data element to the Transportation/Sales Invoice (3.4.1) to identify charges as commodity or reservation.

Discussion: Theresa explained that the request would add a charge type indicator to identify whether the Charge Type that followed was for a commodity or reservation based charge.

Triage Recommendation: Send to BPS

Priority: To be processed when BPS next processes Invoicing related requests (i.e., its normal course of business).

Motion: Moved by Joyce Phillips seconded by Kim Van Pelt , Passed unanimously.

R00008: Submitted by CapacityCenter.Com

> To add a business practice standard as follows: "Transportation Service Providers implementing the Storage Balance Report should employ all the transaction type code values which affect the value communicated in the applicable ending storage balance data element(s)."

Discussion: Greg explained the request as being needed to make sure that all relevant quantities are provided through the Storage Balance Report.

Triage Recommendation: Refer it to BPS

Priority: High Priority in order to be processed and catch up with IR's processing of the Storage Balance Report TIBP.

Motion: Moved by Greg Lander seconded by Joyce Phillips, Passed unanimously.

R00009: Submitted by NGPL

To make GISB Standard No. 4.3.18 consistent with Standard No. 4.3.65 through the addition of the reference to the parent company.

Discussion: The purpose of the request seemed to be a "clean-up" type of request.

Triage Recommendation: Refer to EDM and Triage requests that EDM also take notice of the language in 4.3.46.

Priority: To be processed as soon as practicable.

Motion: Moved by Joyce Phillips seconded by Kim Van Pelt, Passed unanimously.

R00010: Submitted by Enron Gas Pipeline Group

To add Rate Identification Codes to the sub-detail level of the Offer Download (5.4.1), Bid Download (5.4.2), Award Download (5.4.3), Offer Upload (5.4.7), Offer Upload Quick Response (5.4.8), Offer Upload Notification (5.4.9), Bid Upload (5.4.18) and Bid Upload Quick Response (5.4.19).

Discussion: Enron needs rate Identification Codes

Triage Recommendation: Refer to IR

Priority: To be processed in the normal Course of business

Motion: Moved by Joyce Phillips seconded by Kim Van Pelt, Passed unanimously.

3. Adjourn

The meeting adjourned at 10:34 CST.

List of Attendees:

Name	**Company**	**Committee Member (Y/N)**	**Segment**	**Votin g**
Greg Lander	**CapacityCenter.com**	**Y**	**Services**	**Y**
Dale Davis	Williams Gas Pipelines	N	Pipelines	
Kim Van Pelt	**CMS – Trunkline Gas Company**	**Y**	**Pipelines**	**Y**
Joyce Phillips	**PanCanadian Energy**	**Y**	**Producers**	**Y**
Randy Young	Koch Midstream	N	Services	
Theresa Hess	Enron Transwestern	N	Pipelines	
Cynthia Corcoran	Corcoran Law Offices	N	Services	

Bold signifies a Chair of BPS (and member of Triage Subcommittee)

TO:	**Triage Subcommittee:** Greg Lander, Services (Chair), Kim Van Pelt (Pipelines), Bob MacNally (LDC's), Producer vacancy, Diane McVicker, (End-users), Posting for Interested Industry Participants
FROM:	Rae McQuade, Executive Director
RE:	Draft Minutes from the Triage Subcommittee Meeting
DATE:	June 1, 2000

GAS INDUSTRY STANDARDS BOARD

TRIAGE SUBCOMMITTEE MEETING

Teleconference Call: June 1, 2000

DRAFT MINUTES

I. Administrative

Mr. Lander chaired the meeting and welcomed the participants. Mr. Lander identified the participants in a roll call. Mr. Lander gave the antitrust advice. The draft agenda was adopted.

2. New Requests:

R00011 Submitted by NGPL

To add five new Transaction Type code values to the datasets.

Discussion: No discussion

Triage Recommendation: Send to IR

Priority: To be processed in its normal course of business.

Motion: Moved by Kim Van Pelt seconded by Greg Lander, Passed unanimously.

R00012 Submitted by Enron Gas Pipeline Group

To Add Bidder Notice Address and Bidder Notice Contact data elements.

Discussion: No Discussion

Triage Recommendation: Send to BPS

Priority: To be processed when BPS next processes Capacity Release related requests (i.e., its normal course of business).

Motion: Moved by Kim Van Pelt seconded by Greg Lander, Passed unanimously.

R00013 Submitted by Enron Gas Pipeline Group

To add Bidder Invoice Contact and Bidder Invoice Address data elements to the Capacity Release Datasets.

Discussion: No Discussion

Triage Recommendation: Send to BPS

Priority: To be processed when BPS next processes Capacity Release related requests (i.e., its normal course of business).

Motion: Moved by Kim Van Pelt seconded by Greg Lander, Passed unanimously.

R00014 Submitted by Enron Gas Pipeline Group

To add Signatory Name and Signatory Title data elements.

Discussion: No Discussion

Triage Recommendation: Send to BPS

Priority: To be processed when BPS next processes Capacity Release related requests (i.e., its normal course of business).

Motion: Moved by Kim Van Pelt seconded by Greg Lander, Passed unanimously.

R00015 Submitted by Enron Gas Pipeline Group

To add a Bidder's Contingency Terms data element.

Discussion: No Discussion

Triage Recommendation: Send to BPS

Priority: To be processed when BPS next processes Capacity Release related requests (i.e., its normal course of business).

Motion: Moved by Kim Van Pelt seconded by Greg Lander, Passed unanimously.

R00016 Submitted by El Paso Natural Gas

To add a Reduction Reason code value to the Confirmations Response, and Scheduled Quantities document.

Discussion:

Triage Recommendation: Send to BPS

Priority: To be processed with the current round of Nominations Requests and within that in with the Capacity Priority for Scheduling issues (i.e., high priority to get in line with current Nominations round requests related to Capacity Priority for Scheduling).

Motion: Moved by Greg Lander seconded by Diane McVicker, Passed unanimously.

R00017: Submitted by Reliant

With respect to ED1 X.12 dataset standards for requesting AutoNoms service and providing corresponding supplier allocation.

Discussion:

Triage Recommendation: Refer to BPS.

Priority: To be processed in the current round of nominations related requests.

Motion: Moved by Kim Van Pelt seconded by Diane McVicker, Passed unanimously.

R00018: Submitted by CMS –Panhandle Pipeline Companies

Add a new business conditional data element to the Nomination Related Datasets to accommodate the sending of producer.

Discussion: Kim Van Pelt discussed that this was in their on-line system and they want to have the ability to support it in EDI.

Triage Recommendation: Refer to BPS

Priority: To be processed with the current round of Nominations Requests and within that in with the TTT sub-category of issues (i.e., high priority to get in line with current Nominations round requests related to the TTT sub-category of issues).

Motion: Moved by Kim Van Pelt seconded by Greg Lander, Passed unanimously.

R00019: Submitted by CMS –Panhandle Pipeline Companies

Change the usage of Releaser Company Code from Mandatory to Conditional in the Bid Upload.

Discussion: To line this up with the conditionality of the Offer Download for this data element as if it is not in the down load, the bidder will not have access to it. Kim's feeling is that this is a mistake and that it is in the nature of a clean-up item. Others observed that the conditionality of the Releaser Company Code in the Offer Download could also be the data element whose conditionality needs to be fixed and that the Releaser Company Code data element's conditionality in the Bid Upload is the right way to do it. In essence whether it is clean-up or not is in the eye of the beholder and is dependent on whether one thinks the bid upload conditionality is right or the Offer Download conditionality is right.

Triage Recommendation: Refer to BPS

Priority: To be processed when BPS next processes Capacity Release related requests (i.e., its normal course of business).

Motion: Moved by Kim Van Pelt, seconded by Diane McVicker, Passed unanimously

3. Adjourn

The meeting adjourned at 12:24 CST.

List of Attendees:

Name	Company	Committee Member (Y/N)	Segment	Voting
Greg Lander	**CapacityCenter.com**	**Y**	**Services**	**Y**
Dale Davis	Williams Gas Pipelines	N	Pipelines	
Kim Van Pelt	**CMS – Trunkline Gas Company**	**Y**	**Pipelines**	**Y**
Theresa Hess	Enron Transwestern	N	Pipelines	
Diane McVicker	**SRP**	**N**	**End-user**	**Y**
Bill Griffith	CIG	N	Pipelines	
Todd Hudson	El Paso	N	Pipelines	
Debra Stubblefield	Corcoran Law Offices	N	Services	

Bold signifies a Chair of BPS (and member of Triage Subcommittee)

R00007 Gas Industry Standards Board
Request for Initiation of a GISB Standard for Electronic Business Transactions
or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: April 28, 2000

1. Submitting Entity & Address:

Enron Gas Pipeline Group
1400 Smith Street
Houston, TX 77002

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

Name :Theresa Hess
Phone: (713) 853-4895
Fax: (713) 646-5802
E-mail: thess@enron.com

3. Description of Proposed Standard or Enhancement:

Add a data element to the Transportation/Sales Invoice (3.4.1) to identify charges as commodity or reservation.

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):

The new data element 'Charge Type Indicator' will provide the ability to differentiate between commodity and reservation Charge Types without the need for additional code value descriptions under the existing Charge Type data element. This new data element is being requested in lieu of additional Charge Types.

Currently, the GISB Code Values Dictionary for the Charge Type data element includes several types of charges that are split into two code value descriptions – one for commodity and one for reservation. Examples are:

GSR Commodity
GSR Reservation

Miscellaneous Commodity Surcharges
Miscellaneous Reservation Surcharges

Miscellaneous Stranded Costs – Commodity
Miscellaneous Stranded Costs – Reservation

The addition of the 'Charge Type Indicator' data element will alleviate the need for two separate code value descriptions for a single type of charge.

5. Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

The new data element will reduce confusion when a Charge Type is representative of both a commodity and a reservation charge.

6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:

7. Description of Any Specific Legal or Other Considerations:

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement:

U. S. Energy

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners:

10. Attachments (such as: further detailed proposals, transaction data descriptions, information flows, implementation guides, business process descriptions, examples of ASC ANSI X12 mapped transactions):

Business Name (Abbreviation)	**Definition**	**Model Data Group**	**EDI/FF Usage**	**Condition**
Charge Type Indicator	Identifies the Charge Type as commodity or reservation.	TSDG	SO	

R00008

Gas Industry Standards Board
Request for Initiation of Standard for Electronic Business Transactions
or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

1. Submitting Entity & Address:

CapacityCenter.com
83 Pine Street, Suite 102
Coordinator
West Peabody, MA 01960
Phone: (978) 535-5868
Facsimile: (978) 535-7744
E-mail:

2. Contact Information:

Gregory M. Lander, President
Alicia Stasko, Operations

3. Description of Proposed Standard or Enhancement:

CapacityCenter.com proposes a new business practice standard as follows:

> "Transportation Service Providers implementing the Storage Balance Report should employ all the transaction type code values which affect the value communicated in the applicable ending storage balance data element(s)."

4. Use of the Proposed Standard or Enhancement:

The addition of this business practice will assure recipients of the Storage Balance Report that the data that they receive will be complete and accurate and eliminate any ambiguity as to which code values will be present in the Storage Balance Report. Without this business practice standard, there is no assurance that recipients will receive all information which was used to derive the ending storage balance value(s).

5. Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

Eliminate any ambiguity which arises from the shift in implementing the Storage Balance Report from a series of data elements (the way it left EII) to a series of Transaction Types (as suggested by IR).

6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:

The addition of the business practice would not change the implementation. It would however assure that the implementations at TSP's would be consistent and unambiguous.

7. Description of Any Specific Legal or Other Considerations:

None.

8. If This Proposed Standard or Enhancement is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement

CapacityCenter.com is certainly willing and able to undertake testing with any party regarding this proposal.

Contact is: Alicia Stasko, Operations Coordinator
CapacityCenter.com
83 Pine Street, Suite 102
West Peabody, MA 01960
Phone: (978) 535-5868
Facsimile: (978) 535-7744

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners:

N/A.

10. Attachments

None.

R00009

Gas Industry Standards Board
Request for
Enhancement of an Existing GISB Standard for Electronic Business Transaction

Date of Request: **5/18/00**

1. Submitting Entity & Address:

NGPL
500 Dallas
Suite 1000
Houston, TX 77002

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

Name : **Mike Schisler**
Title : **EDI Business Coordinator**
Phone : **713-369-9337**
Fax : **713-369-9325**
E-mail : **mike_schisler@kindermorgan.com**

3. Description of Proposed Standard or Enhancement:

Modify the language of 4.3.18, which states:

Transportation Service Providers should provide and keep current to the Central Address Repository the addresses (URLs) for the following in a specified format and communication method(s):

Informational Postings
Affiliated Marketer Info.
Capacity
Index of Customers
Notices
Tariff
Downloads
Site Map

This specification and any changes to it should be subject to GISB approval.

to be consistent with standard 4.3.65, which states:

The Transportation Service Provider's Customer Activities Web Site should include the name, nickname, or name abbreviation of the parent company and/or Transportation Service Provider so that it will appear first in the browser title bar.

so that in it's modified form (in italics), 4.3.18 would read:

Transportation Service Providers ***or their parent company*** should provide and keep current to the Central Address Repository the addresses (URLs) for the following in a specified format and communication method(s):

Informational Postings
Affiliated Marketer Info.
Capacity
Index of Customers
Notices
Tariff
Downloads
Site Map

If the parent company's URL is provided for the Central Address Repository, the parent company's home page should include a menu containing a list of all TSPs owned and/or operated by the parent company.
This specification and any changes to it should be subject to GISB approval.

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):

The modified standard would provide a Central Address Repository with naming that is consistent with the names displayed in the browser title bar when actually visiting a TSP site.

5. Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

The modified standard would provide a Central Address Repository with naming that is consistent with the names displayed in the browser title bar when actually visiting a TSP site.

6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:

none

7. Description of Any Specific Legal or Other Considerations:

none

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement (Corporations and contacts):

n/a

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners :

n/a

10. Attachments (such as : further detailed proposals, transaction data descriptions, information flows, implementation guides, business process descriptions, examples of ASC ANSI X12 mapped transactions):

n/a

R00010

Gas Industry Standards Board
Request for Initiation of a GISB Standard for Electronic Business Transactions
or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: May 23, 2000

1. Submitting Entity & Address:

Enron Gas Pipeline Group
1400 Smith Street
Houston, TX 77002

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

Name: Theresa Hess
Phone: (713) 853-4895
Fax: (713) 646-5802
E-mail: thess@enron.com

3. Description of Proposed Standard or Enhancement:

Enron Gas Pipeline Group requests additional Rate Identification Codes to be added to the sub-detail level of the Offer Download (5.4.1), Bid Download (5.4.2), Award Download (5.4.3), Offer Upload (5.4.7), Offer Upload Quick Response (5.4.8), Offer Upload Notification (5.4.9), Bid Upload (5.4.18) and Bid Upload Quick Response (5.4.19).

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):

The additional Rate Identification Codes will be used to inform the transportation service provider of the type of rate to be supported through the capacity release process. The additional code value descriptions are needed to support Northern Border Pipeline Company's present tariff.

5. Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

To provide additional Rate Identification Codes to facilitate the capacity release process.

6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:

None

7. Description of Any Specific Legal or Other Considerations:

None

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement:

Not Applicable

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners:

Not Applicable

10. Attachments (such as: further detailed proposals, transaction data descriptions, information flows, implementation guides, business process descriptions, examples of ASC ANSI X12 mapped transactions):

Document Name and No.: Offer Download, 5.4.1
Bid Download, 5.4.2
Award Download, 5.4.3
Offer Upload, 5.4.7
Offer Upload Quick Response, 5.4.8
Offer Upload Notification, 5.4.9
Bid Upload, 5.4.18
Bid Upload Quick Response, 5.4.19

Data Element: Rate Identification Code

Code Value Description	Code Value Definition	Code Value
Base Billing Amount	Estimated Cost of Service without Shipper's Adjustment.	124
Rate Per 100 Dekatherm Miles	A daily charge based on the transportation rate assessed per 100 Dekatherm Miles.	125

R00011

Gas Industry Standards Board
Request for Initiation of a GISB Standard for Electronic Business Transactions
or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: **5/25/00**

1. Submitting Entity & Address:

NGPL
500 Dallas
Suite 1000
Houston, TX 77002

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

Name : **Mike Schisler**
Title : **EDI Business Coordinator**
Phone : **713-369-9337**
Fax : **713-369-9325**
E-mail : **mike_schisler@knidermorgan.com**

3. Description of Proposed Standard or Enhancement:

Add new Transaction Type code values for use in Nominations, Scheduled Quantities, Allocations, Imbalances, and Invoicing. These Transaction Types are needed in order to discretely identify each quantity so transacted for scheduling and accounting purposes:

Bank on pipeline
Bank payback
Draw on pipeline
Draw payback
OFO

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):

The ‘‘Bank’’ and ‘‘Draw’’ code values are associated with NGPL’s new Interruptible Balancing Service. Though these codes may seem to appear similar to ‘‘Park’’ and

‘‘Loan’’, they are in fact in addition to traditional Park and Loan, and such quantities need to be discretely identified for scheduling and accounting purposes.

The ‘‘OFO’’ code value allows for identification of quantities nominated in response to an Operational Flow Order. As with the ‘‘Bank’’ and ‘‘Draw’’ code values, nominated OFO quantities need to be discretely identified for scheduling and accounting purposes.

5. Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

Addition of these code values will allow for standardized implementation.

6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:

None

7. Description of Any Specific Legal or Other Considerations:

None

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement (Corporations and contacts):

Various Service Requesters on NGPL

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners :

N/a

10. Attachments (such as : further detailed proposals, transaction data descriptions, information flows, implementation guides, business process descriptions, examples of ASC ANSI X12 mapped transactions):

N/a

R00012

Gas Industry Standards Board
Request for Initiation of a GISB Standard for Electronic Business Transactions
or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: May 25, 2000

1. Submitting Entity & Address:

Enron Gas Pipeline Group
1400 Smith Street
Houston, TX 77002

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

Name: Theresa Hess
Phone: (713) 853-4895
Fax: (713) 646-5802
E-mail: thess@enron.com

3. Description of Proposed Standard or Enhancement:

Add Bidder Notice Address and Bidder Notice Contact data elements to the header level of the Bid Upload (5.4.18) and the Offer Upload Bidder Confirmation (5.4.10). It is also requested that validation codes be added to the Bid Upload Quick Response (5.4.19) and Offer Upload Bidder Confirmation Quick Response (5.4.11).

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):

When a prearranged bidder submits an Offer Upload Bidder Confirmation or a bidder submits a Bid Upload, a pipeline may require bidders to submit a contact party and address that will be used for notice purposes in order to complete the replacement contract. The Bidder Notice Address and Bidder Notice Contact will be used to inform the transportation service provider of the bidder's mailing address and contact party. The validation codes will be used to inform the bidder when the bid or offer confirmation has an error or warning.

5. Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

To provide contractual information to the transportation service provider. To provide an accurate response to the bidder regarding the bid or offer confirmation submitted.

6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:

7. Description of Any Specific Legal or Other Considerations:

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement:

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners:

10. Attachments (such as: further detailed proposals, transaction data descriptions, information flows, implementation guides, business process descriptions, examples of ASC ANSI X12 mapped transactions):

Data Dictionary

Document Name and No.: Offer Upload Bidder Confirmation, 5.4.10
Bid Upload, 5.4.18

Business Name	Definition	Usage	Condition
Bidder Notice Contact	The bidder's designated contact to receive contractual notices.	BC	Used when the transportation service provider requires this bidder notice contact information.
Bidder Notice Address	The mailing address of the bidder's notice contact.	BC	Used when the transportation service provider requires this bidder notice address information.

Code Values Dictionary

Document Name and No.: Offer Upload Bidder Confirmation Quick Response, 5.4.11

Data Element: Validation Code (Heading)

Code Value	Code Value Description	Code Value Definition
E531	Missing Bidder Notice Contact	[no definition necessary]
E532	Missing Bidder Notice Address	[no definition necessary]
W811	Bidder Notice Contact not processed	[no definition necessary]
W812	Bidder Notice Address not processed	[no definition necessary]

Document Name and No.: Bid Upload Quick Response, 5.4.19

Data Element: Validation Code (Heading)

Code Value	Code Value Description	Code Value Definition
EBDQR144	Missing Bidder Notice Contact	[no definition necessary]
EBDQR145	Missing Bidder Notice Address	[no definition necessary]
WBDQR119	Bidder Notice Contact not processed	[no definition necessary]
WBDQR120	Bidder Notice Address not processed	[no definition necessary]

R00013

Gas Industry Standards Board
Request for Initiation of a GISB Standard for Electronic Business Transactions
or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: May 25, 2000

1. Submitting Entity & Address:

Enron Gas Pipeline Group
1400 Smith Street
Houston, TX 77002

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

Name: Theresa Hess
Phone: (713) 853-4895
Fax: (713) 646-5802
E-mail: thess@enron.com

3. Description of Proposed Standard or Enhancement:

Add Bidder Invoice Contact and Bidder Invoice Address data elements to the header level of the Bid Upload (5.4.18) and the Offer Upload Bidder Confirmation (5.4.10). It is also requested that validation codes be added to the Bid Upload Quick Response (5.4.19) and Offer Upload Bidder Confirmation Quick Response (5.4.11).

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):

When a prearranged bidder submits an Offer Upload Bidder Confirmation or a bidder submits a Bid Upload, a pipeline may require the bidder to submit a bidder's contact party and address that will be used for invoicing purposes in order to complete the replacement contract. The Bidder Invoice Contact and Bidder Invoice Address will be used to inform the transportation service provider of the bidder's invoice contact party and invoice mailing address. The validation codes will be used to inform the bidder that the bid or offer confirmation has an error or warning.

5. Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

To provide invoice contact and address information to the transportation service provider. To provide an accurate response to the bidder on the bid or offer confirmation submitted.

6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:

7. Description of Any Specific Legal or Other Considerations:

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement:

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners:

10. Attachments (such as: further detailed proposals, transaction data descriptions, information flows, implementation guides, business process descriptions, examples of ASC ANSI X12 mapped transactions):

Data Dictionary

Document Name and No.: Offer Upload Bidder Confirmation, 5.4.10
Bid Upload, 5.4.18

Business Name	Definition	Usage	Condition
Bidder Invoice Contact	The bidder's designated contact for invoicing purposes.	BC	Used when the transportation service provider requires this bidder invoice contact information.
Bidder Invoice Address	The mailing address of the bidder's invoice contact.	BC	Used when the transportation service provider requires this bidder invoice address information.

Code Values Dictionary

Document Name and No.: Offer Upload Bidder Confirmation Quick Response, 5.4.11

Data Element: Validation Code (Heading)

Code Value	Code Value Description	Code Value Definition
E533	Missing Bidder Invoice Contact	[no definition necessary]
E534	Missing Bidder Invoice Address	[no definition necessary]
W813	Bidder Invoice Contact not processed	[no definition necessary]
W814	Bidder Invoice Address not processed	[no definition necessary]

Document Name and No.: Bid Upload Quick Response, 5.4.19

Data Element: Validation Code (Heading)

Code Value	Code Value Description	Code Value Definition
EBDQR146	Missing Bidder Invoice Contact	[no definition necessary]
EBDQR147	Missing Bidder Invoice Address	[no definition necessary]
WBDQR121	Bidder Invoice Contact not processed	[no definition necessary]
WBDQR122	Bidder Invoice Address not processed	[no definition necessary]

R00014

Gas Industry Standards Board
Request for Initiation of a GISB Standard for Electronic Business Transactions
or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: May 25, 2000

1. Submitting Entity & Address:

Enron Gas Pipeline Group
1400 Smith Street
Houston, TX 77002

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

Name: Theresa Hess
Phone: (713) 853-4895
Fax: (713) 646-5802
E-mail: thess@enron.com

3. Description of Proposed Standard or Enhancement:

Add Signatory Name and Signatory Title data elements to the header level of the Bid Upload (5.4.18) and the Offer Upload Bidder Confirmation (5.4.10). It is also requested that validation codes be added to the Bid Upload Quick Response (5.4.19) and Offer Upload Bidder Confirmation Quick Response (5.4.11).

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):

When a prearranged bidder submits an Offer Upload Bidder Confirmation or a bidder submits a Bid Upload, a transportation service provider may require bidders to submit a signatory name and signatory title to complete the replacement contract. The validation codes will be used to inform the bidder that the bid or offer confirmation has an error or warning.

5. Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

To provide bid information to the transportation service provider. To provide an accurate response to the bidder regarding the bid or offer confirmation submitted.

6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:

7. Description of Any Specific Legal or Other Considerations:

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement:

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners:

10. Attachments (such as: further detailed proposals, transaction data descriptions, information flows, implementation guides, business process descriptions, examples of ASC ANSI X12 mapped transactions):

Data Dictionary

Document Name and No.: Offer Upload Bidder Confirmation, 5.4.10
Bid Upload, 5.4.18

Business Name	Definition	Usage	Condition
Signatory Name	The name of the person authorized to submit the bid.	BC	Used when the transportation service provider requires a bidder signatory name.
Signatory Title	The title of the person authorized to submit the bid.	BC	Used when the transportation service provider requires a bidder signatory title.

Code Values Dictionary

Document Name and No.: Offer Upload Bidder Confirmation Quick Response, 5.4.11

Data Element: Validation Code (Heading)

Code Value	Code Value Description	Code Value Definition
E535	Missing Signatory Name	[no definition necessary]
E536	Invalid Signatory Name	[no definition necessary]
E537	Missing Signatory Title	[no definition necessary]
W815	Signatory Name not processed	[no definition necessary]
W816	Signatory Title not processed	[no definition necessary]

Document Name and No.: Bid Upload Quick Response, 5.4.19

Data Element: Validation Code (Heading)

Code Value	Code Value Description	Code Value Definition
EBDQR148	Missing Signatory Name	[no definition necessary]
EBDQR149	Invalid Signatory Name	[no definition necessary]
EBDQR150	Missing Signatory Title	[no definition necessary]
WBDQR123	Signatory Name not processed	[no definition necessary]
WBDQR124	Signatory Title not processed	[no definition necessary]

R00015

Gas Industry Standards Board
Request for Initiation of a GISB Standard for Electronic Business Transactions
or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: May 25, 2000

1. Submitting Entity & Address:

Enron Gas Pipeline Group
1400 Smith Street
Houston, TX 77002

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

Name: Theresa Hess
Phone: (713) 853-4895
Fax: (713) 646-5802
E-mail: thess@enron.com

3. Description of Proposed Standard or Enhancement:

Add a Bidder's Contingency Terms data element to the header level of the Bid Download (5.4.2) and Bid Upload (5.4.18). It is also requested that validation codes be added to the Bid Upload Quick Response (5.4.19).

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):

The Bidder's Contingency Terms will be used to inform the transportation service provider of the bidder's contingency terms. The validation codes will be used to inform the bidder that the bid has an error or warning.

5. Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

To provide bid information to the transportation service provider. To provide an accurate response to the bidder on the bid submitted.

6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:

7. Description of Any Specific Legal or Other Considerations:

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement:

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners:

10. Attachments (such as: further detailed proposals, transaction data descriptions, information flows, implementation guides, business process descriptions, examples of ASC ANSI X12 mapped transactions):

Data Dictionary

Document Name and No.: Bid Upload, 5.4.18

Business Name	Definition	Usage	Condition
Bidder's Contingency Terms	A description of the terms and conditions when the bid is subject to a contingency.	BC	May be used only when the Bidder's Contingency Indicator indicates the bid is contingent and the transportation service provider requires the bidder to specify terms and conditions.

Document Name and No.: Bid Download, 5.4.2

Business Name	Definition	Usage	Condition
Bidder's Contingency Terms	A description of the terms and conditions when the bid is subject to a contingency.	C	Mandatory when present and processed in the upload of the bid.

Code Values Dictionary

Document Name and No.: Bid Upload Quick Response, 5.4.19

Data Element: Validation Code (Heading)

Code Value	Code Value Description	Code Value Definition
EBDQR151	Missing Bidder's Contingency Terms	[no definition necessary]
WBDQR125	Bidder's Contingency Terms not processed	[no definition necessary]

R00016

Gas Industry Standards Board
Request for Initiation of a GISB Standard for Electronic Business Transactions
Or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: May 30, 2000

1. **Submitting Entity & Address**:
   El Paso Natural Gas Company
   P.O. Box 1492
   El Paso TX 79978

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

Name: Todd Hudson
Phone: 915.496.2946
Fax: 915.496.3364
E-mail: Hudsont@Epenergy.com

3. Description of Proposed Standard or Enhancement:
El Paso Natural Gas requests that this code value be added to the list of Reduction Reasons for Standards 1.4.4 (Confirmation Response) and 1.4.5 (Scheduled Quantity).

Reduction Reason Code

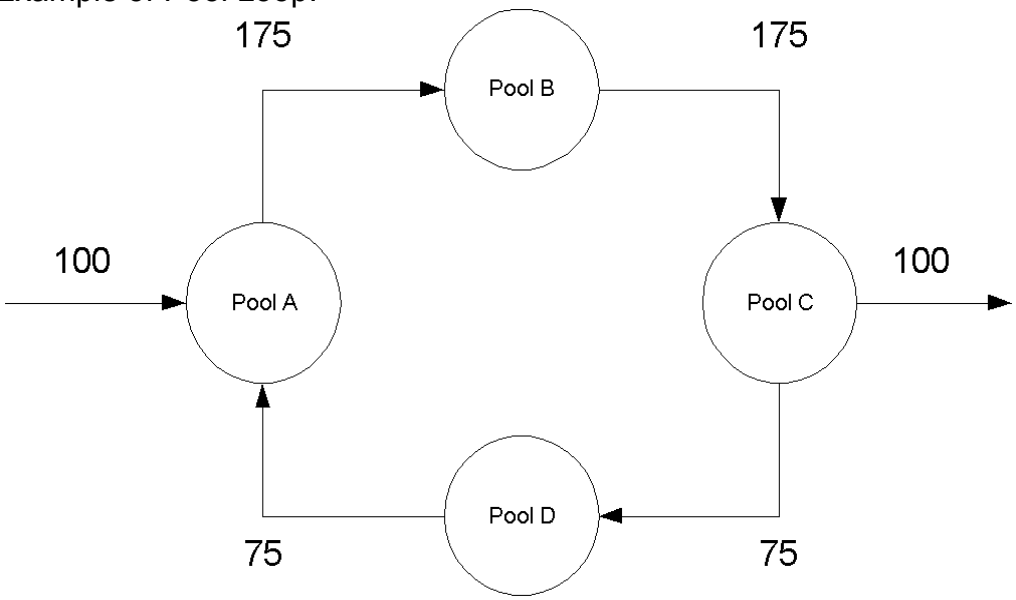
CODE VALUE DESCRIPTION	CODE VALUE DEFINITION
LPI	Loop in
LPO	Loop out

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):

El Paso's complex trading system enables poolers to sell packages of gas from pool to pool, sometimes resulting in the same package of gas being traded in a "loop." (See diagram below). Since this looped gas has no impact on the physical flow of the pipeline, it is automatically scheduled once the associated transactions have been balanced. Transactions involved in loops show reduction codes as LPO and LPI which indicate quantities of looped gas being removed and reinstated during processing.

Identifying, removing and reinstating gas traded in a loop provides two benefits. First, providing information to shippers regarding looped gas enables them to analyze their scheduling activity. Second, removing and reinstating loops during processing enables El Paso to process within GISB timelines; otherwise, the magnitude of iterations through looped transaction chains would result in a significant increase in processing time.

Example of Pool Loop:



5. Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:
The benefits include: a) letting customers know they are involved in a looped transaction; and b) saving time in processing.

6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:
Since this code is already in use by EPNG, there is no cost to implement.

7. Description of Any Specific Legal or Other Considerations: N/A

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement:
N/A

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners:
Any customer pooling gas on El Paso and Mojave Pipelines is subject to these two reduction codes.

10. Attachments (such as: further detailed proposals, transaction data descriptions, information flows, implementation guides, business process descriptions, examples of ASC ANSI X12 mapped transactions):
N/A

R00017

Reliant Energy Gas Transmission Company
Request for Initiation of a GISB Standard for Electronic Business Transactions

Date of Request: May 31, 2000

1. Submitting Entity & Address:
   Reliant Energy Gas Transmission
   1111 Louisiana
   Houston, TX 77210

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

   Name: Cindy Suarez
   Title: Director, Marketing Services
   Phone: 713 207 5176
   Fax: 713 207 9628
   E-mail: csuarez@reliantenergy.com

3. Description of Proposed Standard or Enhancement:
   ED1 X.12 dataset standards for requesting AutoNoms service and providing corresponding supplier allocation.

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):
   See "motion" on attached work paper.

5. Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

   See "reason for motion" on attached work paper.

6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:

   Not available

7. Description of Any Specific Legal or Other Considerations:

   None

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement (Corporations and contacts):

    N/A

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners:

    N/A

10. See attached "Work Paper on Request for AutoNoms Services and Corresponding Supplier Allocation".

Reliant Energy Gas Transmission Company (REGT)
Work Paper on Request for
AutoNoms Service & Corresponding Supplier Allocation

Motion: Request for AutoNoms service and corresponding supplier allocation is not well suited for EDI/EDM processing. Transportation Service Providers (TSP) should be allowed to offer this process on their Internet Website in a manner that best suits the TSP's business practices.

Reason for Motion: Service Requesters (SR) do not request AutoNoms service and related supplier allocation with sufficient frequency for them to invest in developing the processes to create, send, receive and process EDI files. Additionally, the AutoNoms service is currently provided only on the REGT pipeline system further minimizing the SR's ability to reduce their costs through efficiencies by developing the electronic process to send EDI files. GISB has other issues that add more value to the industry and should not focus its time and effort on developing EDI standards for this process.

Reliant Energy Gas Transmission Company (REGT)
Electronic Request for AutoNoms Service and
Corresponding Supplier Allocation

To request the AutoNoms service, the Service Requestor (SR) must have interruptible or firm transportation contract with REGT and electronic flow measurement (EFM) at the contract delivery point(s). REGT must go through a verification process to ensure that the proper criteria is met to provide the AutoNoms service.

Once REGT approves the AutoNom service request, the SR must submit a supplier allocation indicating how the revised end-use nomination should be nominated to the supplier.

A. Request for AutoNom Service-Data Items needed:
   1. SR Name
   2. Type of contract-either firm or interruptible
   3. SR Contract Number
   4. Person Requesting Service e-mail address
   5. Delivery Point
   6. EFM Indicator-Yes or No option
   7. Multiple contracts at delivery point-Yes or No option.
   8. More delivery points indicator – Yes or No option.
   9. Multiple suppliers for delivery point indicator-Yes or No option.
   10. Requested effective date of service-month, year, day.

B. Supplier Allocation Information Data Items
   1. SR Name
   2. SR Contract Number
   3. Delivery Point
   4. Supply Source
   5. Supplier e-mail address
   6. Operator e-mail address
   7. Supply allocation begin date
   8. Supply allocation end date
   9. Allocation methodology: choice of prorata, rank, percent or volume.

R00018

Request for Initiation of a GISB Standard for Electronic Business Transactions
Or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: June 1, 2000

1. **Submitting Entity & Address:**
   CMS Panhandle Pipeline Companies
   5444 Westheimer
   Houston TX 77056

2. **Contact Person, Phone #, Fax #, Electronic Mailing Address:**
   Name: Kim Van Pelt
   Title: GISB Coordinator
   Phone: (713)989-7354
   Email: kvanpelt@cmsenergy.com

3. **Description of Proposed Standard or Enhancement:**
   Add a new business conditional data element to the Nomination Related Datasets to accommodate the sending of producer.

4. **Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):**
   For certain locations, Trunkline Gas Company's tariff requires that the producer of the gas be supplied in the nomination. This information is then used during confirmations and scheduling. This information is currently being supplied using the on-line system, but there is no way to supply the comparable information using EDI.

5. **Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard of Enhancement:**
   Comparability between on-line and EDI systems.

6. **Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:**
   Not available

7. **Description of Any Specific Legal or Other Considerations:**
   None

8. **If This Proposed Standard or Enhancement is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement (Corporations and contacts):**
   N/A

9. **If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners:**
   Current on-line users of Trunkline Gas Company

10. **Attachments:**
    None

R00019

Request for Initiation of a GISB Standard for Electronic Business Transactions
Or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: June 1, 2000

1. **Submitting Entity & Address:**
   CMS Panhandle Pipeline Companies
   5444 Westheimer
   Houston TX 77056

2. **Contact Person, Phone #, Fax #, Electronic Mailing Address:**
   Name: Kim Van Pelt
   Title: GISB Coordinator
   Phone: (713)989-7354
   Email: kvanpelt@cmsenergy.com

3. **Description of Proposed Standard or Enhancement:**
   Change the usage of Releaser Company Code from Mandatory to Conditional in the Bid Upload.

4. **Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):**
   The Releaser Company Code should not be Mandatory in the Bid Upload because it is Sender's Option in the Offer Download. It can't supplied in the Bid Upload if it was never supplied in the Offer Download. It should be made conditional based on whether it is sent in the Offer Download.

5. **Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard of Enhancement:**
   N/A

6. **Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:**
   Not available

7. **Description of Any Specific Legal or Other Considerations:**
   None

8. **If This Proposed Standard or Enhancement is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement (Corporations and contacts):**
   N/A

9. **If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners:**
   N/A

10. **Attachments:**
    None

R00020

Gas Industry Standards Board
Request for Initiation of a GISB Standard for Electronic Business Transactions
or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: June 2, 2000

1. Submitting Entity & Address:

Enron Gas Pipeline Group
1400 Smith Street
Houston, TX 77002

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

Name: Theresa Hess
Phone: (713) 853-4895
Fax: (713) 646-5802
E-mail: thess@enron.com

3. Description of Proposed Standard or Enhancement:

Add code values for the Charge Type data element in the Transportation/Sales Invoice (3.4.1). Also add definitions for two existing Charge Type code values.

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):

The additional code values will be used to support new business practices and to more accurately distinguish the basis for charges on an invoice. The addition of definitions for the two existing code values will clarify the intent of the code values.

5. Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

The new code values and new definitions will reduce confusion by clearly specifying the charges on an invoice.

6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:

7. Description of Any Specific Legal or Other Considerations:

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement:

U. S. Energy

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners:

10. Attachments (such as: further detailed proposals, transaction data descriptions, information flows, implementation guides, business process descriptions, examples of ASC ANSI X12 mapped transactions):

Code Values Dictionary

Document Name and No.: Transportation/Sales Invoice

Data Element: Charge Type

Code Value Description	Code Value Definition	Code Value
Carlton Resolution Surcharge	Charge based on the Carlton Resolution.	CAR
Carlton Resolution Credit	Compensation to shippers with a flow/sourcing obligation per the Carlton Resolution.	CRC
Relinquishment GRI Credit	GRI credit associated with capacity release at a demand rate of less than max.	GRF
Reservation-Winter Peak	Transportation reservation charge on peak capacity.	RF5
Reservation-Market Base	Transportation reservation charge on base load capacity.	RTB
Reservation-Market Variable	Transportation reservation charge on non-peak capacity above base load.	RTV
Limited Firm Credit	Credit issued when right to flow is limited by TSP.	LFC
Positive Daily Delivery Variance Charge (DDVC)	Scheduling variance charge where actual deliveries exceed scheduled deliveries.	DPO
Punitive Daily Delivery Variance Charge (DDVC)	Scheduling variance charge where actual deliveries exceed scheduled deliveries, above Positive DDVC level.	DPU
Negative Daily Delivery Variance Charge (DDVC)	Scheduling variance charge where scheduled deliveries exceed	DNE

	actual deliveries.	
Positive Critical Day Daily Delivery Variance Charge (DDVC)	Scheduling variance charge where actual deliveries exceed scheduled deliveries on a day when TSP has called a critical day.	DPC
Punitive Critical Day Daily Delivery Variance Charge – Level I (DDVC)	Scheduling variance charge where actual deliveries exceed scheduled deliveries on a day when TSP has called a critical day. Charged on amount of variance above Positive Critical DDVC Level.	DP1
Punitive Critical Day Daily Delivery Variance Charge – Level II (DDVC)	Scheduling variance charge where actual deliveries exceed scheduled deliveries on a day when TSP has called a critical day. Charged on amount of variance above Punitive Critical DDVC - Level I.	DP2
Negative System Management Service	Charge for service used to reduce variance charges where scheduled deliveries exceed actual deliveries.	NSM
Positive System Management Service	Charge for service used to reduce variance charges where actual deliveries exceed scheduled deliveries.	PSM

Document Name and No.: Transportation/Sales Invoice

Data Element: Charge Type

Code Value Description	Code Value Definition	Code Value
GSR Commodity	*Order 636 Gas Supply Realignment surcharge based on the quantity of gas transported.*	GSC
GSR Reservation	*Order 636 Gas Supply Realignment Reservation surcharge based on contract demand quantity.*	GSR

R00021

Gas Industry Standards Board
Request for Initiation of a GISB Standard for Electronic Business Transactions
or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: June 2, 2000

1. Submitting Entity & Address:

Enron Gas Pipeline Group
1400 Smith Street
Houston, Texas 77002

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

Name:	***Terry Lehn***	***Theresa Hess***
Title:	Manager	Manager, GISB Standards / Development
Phone:	713-853-7178	713-853-4895
Fax:	713-853-4808	713-646-5802
E-mail:	tlehn@enron.com	thess@enron.com

3. Description of Proposed Standard or Enhancement:

EDI/EDM software should be case-insensitive.

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):

The current EDM manual contains examples of HTTP data elements with both uppercase and lowercase values (e.g., "X12", "coolhost"). Software which evaluates any HTTP data element values should be insensitive to the case of the characters. For example, "X12" and "x12" should be treated as the same value.

5. Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

While the EDM manual currently states that HTTP data element names should always be in lowercase (p. 63 of the .pdf file), no such language exists for the HTTP data element values. Making the software case-insensitive reduces the possibility of rejected HTTP messages by the receiving software. Also, this ensures that any data element value case ambiguity in the EDM manual examples will not be the source of problems during implementation.

6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:

It is likely that most implementations already provide for case-insensitivity. In those cases, there will be no incremental cost. For those who have not provided for this, the needed coding changes are very minor. Programming languages contain syntax which allows a data value to be changed to all upper or all lower case. Once this is done, the comparison can be made to a literal value in the desired case.

7. Description of Any Specific Legal or Other Considerations:

None known

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement (Corporations and contacts):

Because this change is minor, it is recommended that testing be done by individual companies and their selected trading partners.

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners:

10. Attachments (such as : further detailed proposals, transaction data descriptions, information flows, implementation guides, business process descriptions, examples of ASC ANSI X12 mapped transactions):

R00022

Gas Industry Standards Board
Request for Initiation of a GISB Standard for Electronic Business Transactions
or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: June 5, 2000

1. Submitting Entity & Address:

Enron Gas Pipeline Group
1400 Smith Street
Houston, TX 77002

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

Name: Theresa Hess
Phone: (713) 853-4895
Fax: (713) 646-5802
E-mail: thess@enron.com

3. Description of Proposed Standard or Enhancement:

Add Right of First Refusal Indicator and Right of First Refusal Terms data elements to the header level of the Offer Download (5.4.1), Offer Upload (5.4.7) and Offer Upload Notification (5.4.9). It is also requested that validation codes be added to the Offer Upload Quick Response (5.4.8).

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):

The Right of First Refusal Indicator and Right of First Refusal Terms will be used to inform the bidders of the right of first refusal provisions in the releasing contract. The validation codes will be used to inform the releaser that the offer has an error or warning.

5. Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

To provide right of first refusal information to the bidders. To provide an accurate response to the releaser regarding the offer submitted.

6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:

7. Description of Any Specific Legal or Other Considerations:

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement:

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners:

10. Attachments (such as: further detailed proposals, transaction data descriptions, information flows, implementation guides, business process descriptions, examples of ASC ANSI X12 mapped transactions):

Data Dictionary

Document Name and No.: Offer Upload, 5.4.7

Business Name	Definition	Usage	Condition
Right of First Refusal Indicator	An indicator which tells bidders on a permanent release whether the releasing contract has right of first refusal provisions.	BC	May be used only when the Permanent Release Indicator indicates a permanent release and the transportation service provider requires this right of first refusal information.
Right of First Refusal Terms	A description of the right of first refusal terms and conditions.	C	Mandatory when Releasing Shipper's Right of First Refusal Indicator specifies that right of first refusal applies.

Document Name and No.: Offer Upload Notification, 5.4.9
Offer Download, 5.4.1

Business Name	Definition	Usage	Condition
Right of First Refusal Indicator	An indicator which tells bidders on a permanent release whether the releasing contract has right of first refusal provisions.	C	Mandatory when present and processed in the upload of the offer.
Right of First Refusal Terms	A description of the right of first refusal terms and conditions.	C	Mandatory when present in the upload of the offer.

Code Values Dictionary

Document Name and No.: Offer Upload, 5.4.7
Offer Upload Notification, 5.4.9
Offer Download, 5.4.1

Data Element: Right of First Refusal Indicator

Code Value Description	Code Value Definition	Code Value
Yes	Releasing contract has a right of first refusal provision.	Y
No	Releasing contract does not have a right of first refusal provision.	N

Document Name and No.: Offer Upload Quick Response, 5.4.8

Data Element: Validation Code (Heading)

Code Value	Code Value Description	Code Value Definition
E522	Invalid Right of First Refusal Indicator	[no definition necessary]
E523	Missing Right of First Refusal Indicator	[no definition necessary]
E524	Missing Right of First Refusal Terms	[no definition necessary]
W821	Right of First Refusal Indicator not processed	[no definition necessary]

R00023

Gas Industry Standards Board
Request for Initiation of a GISB Standard for Electronic Business Transactions
or
Enhancement of an Existing GISB Standard for Electronic Business Transactions

Date of Request: June 5, 2000

1. Submitting Entity & Address:

Enron Gas Pipeline Group
1400 Smith Street
Houston, TX 77002

2. Contact Person, Phone #, Fax #, Electronic Mailing Address:

Name: Theresa Hess
Phone: (713) 853-4895
Fax: (713) 646-5802
E-mail: thess@enron.com

3. Description of Proposed Standard or Enhancement:

Add Rollover Rights Indicator and Rollover Rights Terms data elements to the header level of the Offer Download (5.4.1), Offer Upload (5.4.7) and Offer Upload Notification (5.4.9). It is also requested that validation codes be added to the Offer Upload Quick Response (5.4.8).

4. Use of Proposed Standard or Enhancement (include how the standard will be used, documentation on the description of the proposed standard, any existing documentation of the proposed standard, and required communication protocols):

The Rollover Rights Indicator and Rollover Rights Terms will be used to inform the bidders of the rollover rights provisions in the releasing contract. The validation codes will be used to inform the releaser that the offer has an error or warning.

5. Description of Any Tangible or Intangible Benefits to the Use of the Proposed Standard or Enhancement:

To provide rollover rights information to the bidders. To provide an accurate response to the releaser regarding the offer submitted.

6. Estimate of Incremental Specific Costs to Implement Proposed Standard or Enhancement:

7. Description of Any Specific Legal or Other Considerations:

8. If This Proposed Standard or Enhancement Is Not Tested Yet, List Trading Partners Willing to Test Standard or Enhancement:

9. If This Proposed Standard or Enhancement Is In Use, Who are the Trading Partners:

10. Attachments (such as: further detailed proposals, transaction data descriptions, information flows, implementation guides, business process descriptions, examples of ASC ANSI X12 mapped transactions):

Data Dictionary

Document Name and No.: Offer Upload, 5.4.7

Business Name	Definition	Usage	Condition
Rollover Rights Indicator	An indicator which tells bidders on a permanent release whether the releasing contract has rollover rights provisions.	BC	May be used only when the Permanent Release Indicator indicates a permanent release and the transportation service provider requires this rollover rights information.
Rollover Rights Terms	A description of the rollover rights terms and conditions.	C	Mandatory when Releasing Shipper's Rollover Rights Indicator specifies that rollover rights apply.

Document Name and No.: Offer Upload Notification, 5.4.9
Offer Download, 5.4.1

Business Name	Definition	Usage	Condition
Rollover Rights Indicator	An indicator which tells bidders on a permanent release whether the releasing contract has rollover rights provisions.	C	Mandatory when present and processed in the upload of the offer.
Rollover Rights Terms	A description of the rollover rights terms and conditions.	C	Mandatory when present in the upload of the offer.

Code Values Dictionary

Document Name and No.: Offer Upload, 5.4.7
Offer Upload Notification, 5.4.9
Offer Download, 5.4.1

Data Element: Rollover Rights Indicator

Code Value Description	Code Value Definition	Code Value
Yes	Releasing contract has a rollover rights provision.	Y
No	Releasing contract does not have a rollover rights provision.	N

Document Name and No.: Offer Upload Quick Response, 5.4.8

Data Element: Validation Code (Heading)

Code Value	Code Value Description	Code Value Definition
E525	Invalid Rollover Rights Indicator	[no definition necessary]
E526	Missing Rollover Rights Indicator	[no definition necessary]
E527	Missing Rollover Rights Terms	[no definition necessary]
W822	Rollover Rights Indicator not processed	[no definition necessary]

3. Recommended Standards & Standard Modifications

- A report from Jay Costan is attached describing the voting process as requested at the last Executive Committee meeting.
- The Business Practices Subcommittee, Information Requirements Subcommittee and the Technical Subcommittee present recommendations for the following requests for here for discussion and adoption:
    - R97064D
    - R98031 & R98035B
    - R98085
    - R99035
    - R99050
    - FTTF Guideline Recommendations
- The votes necessary for adoption are at least 17 votes in favor, with at least 2 votes in favor from each segment.
- The recommended standards and comments and minutes of the task force meetings can be accessed from the GISB home page. The comments were requested to be submitted to the GISB office by May 31. The comments are attached.
- A ballot is provided that can be faxed into the GISB office if you are unable to attend the meeting on June 15. If you send in a ballot, you are voting on the recommendations as presented in these materials rather than any changes that may be agreed upon during the meeting on June 15.
- **The Executive Committee is asked to consider the requests and proposed standards (subcommittee and task force recommendations), and comments filed for each of the above requests and vote on them at a "17 and 2" level.**[1]
- **The Executive Committee members who are not able to attend this meeting, and who have not asked an alternate to vote for them, are asked to complete the attached ballot and forward it to the GISB office no later than end of business June 13.**

[1] The "17 and 2" level of voting is required to adopt a standard: at least 17 of the 25 Executive Committee members must vote in the affirmative, and at least two members from each segment defined for the Executive Committee must vote in the affirmative.

GAS INDUSTRY STANDARDS BOARD
EXECUTIVE COMMITTEE MEETING
MEETING MATERIALS
JUNE 15, 2000

Executive Committee Notational Ballot For Absent EC Members
Due June 13, 2000 to the GISB Office (713) 356-0067

Executive Committee members unable to attend the meeting on April 13 can return this ballot to the GISB office to record their votes prior to the meeting.

✔[	✘[	**Request**
		R97064D – Modify the standards manuals to use the new X12 data sets
		R98031 & R98035B – Decline to build an EDI data set to accommodate "Confirmation by Exception" and decline to add new transaction identifiers in the Request for Confirmation and the Confirmation Response to accommodate pre-limit quantities.
		R98085 – Delete GISB Standard No. 4.3.77.
		R99035 – Modify the EDM Implementation Guide to support standards convergence with IETF's "HTTP Transport for Secure EDI" (EDI INT standard AS2)
		R99050 -- Modify the definition of the data element Tax Identification Code in the Transportation / Sales Invoice (3.4.1) and Service Requester Level Charge / Allowance Invoice (3.4.4) to "Code assigned by a government to the Payee."
		FTTF Guideline Recommendations -- Modify the Transportation/Sales Invoice (3.4.1) to allow multiple Charge Types to be sent for each Line Number.

Executive Committee Member Signature:

_____

Date:

_____

Please return this ballot to the GISB Office (713) 356-0067 by June 13, 2000

M E M O R A N D U M

McGuireWoods Battle & Boothe LLP

TO: **Jim Buccigross, Rae McQuade and Mike Novak**

FROM: **Jay Costan**

DATE: **June 7, 2000**

RE: **Procedures for Voting Subcommittee Recommendations at Executive Committee Meetings**

At the April Executive Committee meeting, I was asked to draw up a suggested procedure to be followed at all Executive Committee sessions to make clear whether a particular vote requires a 17/2 super majority or a simple majority to pass. We have encountered some confusion in this area from time to time as a result of the manner in which recommendations are offered by EC subcommittees or motions are made from the floor regarding a vote on a subcommittee recommendation concerning a proposed standard. Under GISB's certificate of incorporation, the passage of a new standard or the amendment of an existing standard requires a super majority 17/2 vote, while a recommendation to maintain the status quo requires only a simple majority vote.

The issue of how subcommittee recommendations are presented to the EC is expressly covered in GISB Operating Practice 5.0, which provides:

> Following the recommendation (and, if necessary, the clarifying commentary) there shall be set forth a line item indicating the effect of an EC vote to accept the recommendation. The line item is limited to one of the following:
>
> a. change to existing practice;
> b. status quo.

GISB-OP 5.0 (adopted August 18, 1997).

Drawing on the substance and logic of GISB-OP 5.0, I suggest the following procedure at all Executive Committee meetings:

1. Each subcommittee that makes a presentation shall frame its recommendation in terms of whether it is a Type A action, in that it constitutes a change to existing standards (either by adding a new standard or amending an existing standard), or a Type B action, in that it seeks to maintain the status quo. The subcommittee will expressly state in each case whether its recommendation is Type A or Type B.

2. If the subcommittee recommendation is Type A, then a 17/2 super majority vote is required. On the other hand, if the recommendation is Type B, then only a simple majority vote is required to adopt the recommendation. A recommendation by the subcommittee to reject a standard that has been presented to it for consideration is a Type B vote, since adoption of the recommendation would simply maintain the status quo. Only if the subcommittee is recommending the adoption of a new standard or the amendment of an existing standard does its recommendation fall under Type A and warrant a super majority 17/2 vote.

3. Once the subcommittee presents its report and recommendation, in which it classifies its proposed action as either Type A or Type B, the Chair will entertain a motion for adoption of the recommendation of the subcommittee. Control by the Chair at this point is essential to keep the vote on track as either a Type A or Type B vote and avoid hybrid motions from the floor to reject or decline the Executive Committee recommendation, which could have the effect of changing the type of majority vote needed for passage or result in redundant votes.

4. If the subcommittee recommendation is a Type A motion, and it passes, then a new standard will have been adopted by the Executive Committee, which will then be subject to ratification by the membership. If the Type A motion fails, then that will be the end of the matter for that particular proposed standard.

5. If the recommendation presented by the subcommittee is a Type B motion, and it passes, then that vote marks the end of the matter. On the other hand, if the Type B motion fails, then the matter goes back to Triage for additional consideration. The additional review is necessary because a majority of the Executive Committee would have concluded that rejection of the proposed standard (i.e., maintenance of the status quo) is not appropriate.

6. If there is no motion to adopt the subcommittee recommendation or no second for the motion, the Chair should ask for unanimous consent that the recommendation fails, which would then be accorded the same treatment as failure of a Type A or Type B motion, as the case may be.

CGI

Comments

To:	Gas Industry Standards Board
From:	Carl Caldwell
Date:	May 31, 2000
Subject:	Request R97064D and R99035

R97064D

CGI would like to thank the members of the Technical Sub-Committee and acknowledge the hard work done in completing the request R97064-D.

In reviewing the nomination and scheduled quantity transaction; a change has been made in the technical implementation of the pathed non-threaded nomination. It is clear that on the threaded segment of a pathed non-threaded nomination that the population of up and down identifier codes are ambiguous. But the annotations in the implementation guide create by the Technical Sub-Committee (see below) are a change in GISB business practice standards that need to be forwarded to BPS for their consideration.

“For GISB, the Upstream Identifier Code and Downstream Identifier Code are not used when the Model Type is Pathed Non-Threaded (Threaded Segment) (CS05 = 'T'). In this case, send "N/A".”

Based on the comments attributed to Kim Van Pelt in another request, that the new Nomination data set that was approved by ANSI requires that upstream/ downstream party initiates a loop, with all of the related data under that party (e.g., Package ID, ranks, upstream/downstream contract). The upstream/downstream party is the only information that is mandatory at that level. None of the other data is required, and therefore it is anchored by the party information. So GISB must establish some default identifier so a thread segment can be transmitted without ANSI translation errors.

This issue of GISB business practice standards that need to be forwarded to BPS for their consideration.

R99035

CGI recommends to accept the recommendation of the EDM subcommittee.

The current GISB Electronic Delivery Mechanism for transmitting EDI files across the Internet has been an unappreciated success story. The GISB EDI/EDM provides a reliable and secure means for business to business transfer of EDI transactions. The immediate responsiveness of HTTP time stamping and error processing business practices provide gas trading partners with the same level of transactional assurance as the an EBB or Customer Activity Web Site.

With the movement of the retail gas transactions and electricity transactions to the Internet; the debate on what EDM to choose is emerging. The choices which GISB faced a few years ago are being discussed again; VANs, e-mail, FTP, HTTP, IETF AS1 and proprietary protocols. Some GISB member companies involved with the retail and electric industries wanted to use the GISB EDM given the success of the mechanism. Industry parties argued that a wholesale gas only standard may not have broad enough acceptance with the software industry to be a good solution for retail and electric. As a result of those comments, some GISB member companies approached the Internet Engineering Taskforce (IETF) which creates standards for the Internet. The EDI-INT subcommittee of the IETF had created an e-mail EDM draft standard called AS1 which a few companies have tested. The GISB member companies meet with the IETF EDI-INT subcommittee to create a new IETF draft standard based on the GISB EDM. The result of their work is the "HTTP Transport for Secure EDI" which is referred to in the request R99035.

The technical changes proposed in Request R99035 do not change any of the GISB mandatory business practice within the GISB EDM. The changes represented in the recommendation are fairly technical changes based on changes in Internet protocols over the past few years. The "HTTP Transport for Secure EDI" draft standard includes number of options for encryption, digital signatures and enveloping. The request adopts certain options within the "HTTP Transport for Secure EDI".

By GISB moving to an IETF standard, the natural gas industry will be able to take advantage of resources and expertise outside the industry to improve the process in the future. In addition, this new IETF standard is largely based on the existing GISB EDM standard. With the adoption of these changes the Retail or Electric industries looking to adopt an EDM will now have to seriously consider the IETF/GISB standard.

Sincerely,

Carl Caldwell

MEMORANDUM

TO: GISB

FROM: Enron North America and Dynegy Marketing and Trade

SUBJECT: R97064-D Comments

DATE: 5/26/00

In a combined effort, Enron North America and Dynegy Marketing and Trade would like to acknowledge the hard work done by the Technical Sub-Committee and submit the following comments and concerns on the R97064-D request.

Based on certain business and technical discrepancies found, our recommendation to the GISB Executive Committee is not to accept the modifications presented in request R97064-D at this time. With such a high magnitude of changes to such mission critical data, we feel that the document should be left as a working draft and sent back to the Technical Sub-Committee for additional refinement.

In addition, there should be a phase-in approach developed in order to provide a smooth transition to the new X12 data sets once the refinements are completed. This phase-in approach would need to involve the ability to parallel test the new X12 data sets for a period of time while the existing X12 data sets are still in production in order to ensure that there are no interruptions of service.

Discrepancy Examples:

1.) GISB Documents are Out-of-Sync (Nomination and Quick Response specifically):

a.) The Quick Response has two (2) date segments, the Nomination has one (1) date segment. The Quick Response will not be able to read the date segment sent from the Nomination.

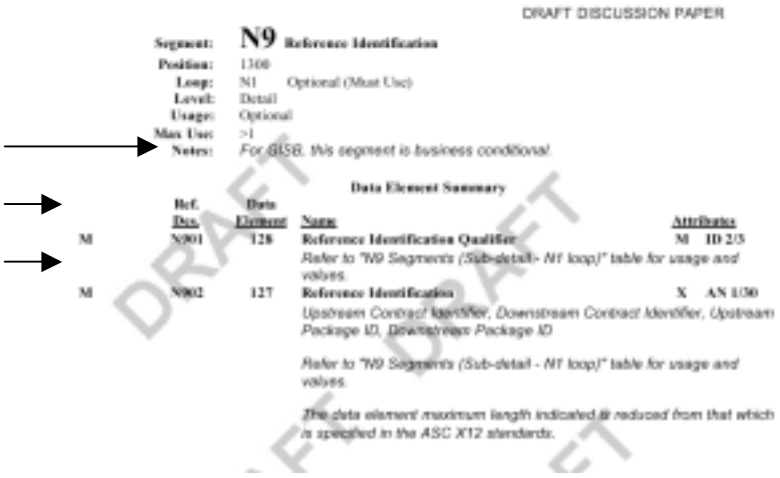
b.) The Nomination dataset has two additional gas flow date formats that are not in the Quick Response. The Quick Response will not be able to read, process, or kick off errors due to this inconsistency.

c.) It is recommended that updates be made on the Quick Response and Nomination datasets simultaneously. If not done, chances for discrepancies between datasets increases and companies will be forced to make major code changes not once, but twice.

2.) GISB Business Standards Changed:

a.) New datasets would require shippers to send made-up data to pipelines using the pathed non-threaded model type. Duns numbers would be required on the threaded portion; since duns numbers are not applicable, new datasets ask that "N/A" be sent in its place (EBB conformity will also be required).

b.) Clarification is needed on the Usage Codes; inconsistencies were found comparing the segment condition to the data element condition on the following elements: : upstream/downstream ranks, associated contract, activity code, deal type, upstream package ID, downstream package ID, nom user data 1, and nom user data 2. See example below:



DRAFT DISCUSSION PAPER

Segment: **N9** **Reference Identification**
Position: 1300
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is business conditional*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N901	128	**Reference Identification Qualifier** *Refer to "N9 Segments (Sub-detail - N1 loop)" table for usage and values.*	M ID 2/3
M	N902	127	**Reference Identification** *Upstream Contract Identifier, Downstream Contract Identifier, Upstream Package ID, Downstream Package ID* *Refer to "N9 Segments (Sub-detail - N1 loop)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	X AN 1/30

3.) GISB Documents are Out-of-Sync with ANSI Standards: Should translators check compliance at the ANSI or GISB level? For compliance checking to be accomplished at the ANSI level, changes are needed to find ANSI elements that match GISB.

a.) New datasets use ANSI optional segments and elements as mandatory.

b.) New datasets are not consistent with ANSI field lengths.

c.) Translators would be required to change built-in compliance checking from the ANSI level to the GISB level.

d.) We do not understand the request to change the detail section of the Nomination datasets hierarchy from “contract, date” to “date, contract”.

e.) The ANSI nomination batch id is 50 characters, the GISB nomination and quick response batch id is 22 characters. Programming errors could result from this inconsistency and cause the quick response to fail. .

f.) The ANSI Nominator’s Tracking ID field size is 20 characters, the GISB nomination and quick response Nominator’s Tracking ID field size is 11 characters. Programming errors could result from this inconsistency and cause the Nomination Quick Response to fail.

4.) Other Changes/Concerns:

a.) There is redundancy in how quantities can be submitted. Quantities submitted on the receipt side will be considered receipt quantities, quantities submitted on the delivery side will be considered delivery quantities. Yet, the quantity type indicator is still sent. What happens if the

quantity type indicator is sent as “R”, and the quantity is sent on the delivery side? There is no quick response error or warning message for this.

b.) The Nomination file changes the SI segment pair descriptor UP from Upstream Package ID to Upstream Contract. This type of change could cause problems in coding.

c.) The Nomination DTM segment is being changed back to a date range (v.1.3 split the DTM date range into “Begin Date/Time” and “End Date/Time”, requested change reverts date format back to a range).

d.) Subtle changes were made to the date format which could easily be overlooked by programmers when updating code to both front and back end systems (i.e., current dates sent do not have century, new datasets do).

e.) Discrepancies were found between the Data Element Cross Reference to ASC X12: maximum rate indication usage, upstream/downstream id code (duns) usage, delivery side location includes receipt drn.

f.) Discrepancies were found in the Transaction Set Tables: DTM segment is missing, element refers to missing/incorrect usage note, N1 duns segment is missing, LCD drn segment is missing.

g.) Discrepancies found in Sample ASC X12: Delivery side location includes receipt drn.

Comments on FTTF Minimum Guidelines Recommendations

Submitted by: Mike Schisler 5/10/00
Natural Gas Pipeline of America, a Kinder Morgan Inc. company

NGPL requests that GISB version 1.5 include a **PDF reader** (such as Adobe Acrobat Reader) in the list of plug-ins noted on page 104 of the **GISB EDM Manual 1.4 (Appendix C Minimum (11/15/1999) Technical Characteristics and Guidelines for the Customer Activities Web Site)**. PDF is an exceedingly common document format, and reader software is readily available for free download. In fact, documents stored on the GISB home page, as well as documents emailed by GISB, are in this format and require a PDF reader plug-in (or stand-alone software) for viewing. The GISB home page also includes a link to download free PDF reader plug-in software (Acrobat Reader). Given it's common use, it's ease of use, and the fact that plug-in software is free, NGPL requests that **PDF reader** be included in the technologies available to GISB for the furthering of information exchange between business partners. NGPL also suggests that GISB consider a standard which would require sites using the PDF document format to also include a link for downloading a PDF reader plug-in.

Gas Industry Standards Board
1100 Louisiana, Suite 4925, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: gisb@aol.com
Home Page: www.gisb.org

via email & posting

TO: GISB Members, Posting on the GISB Home Page for Interested Industry Participants

FROM: Rae McQuade, Executive Director

RE: Request For Comments

DATE: May 3, 2000

The GISB industry comment period begins today and ends on May 31 for the recommendations listed below. Subcommittees and task forces submitted the recommendations for your review on April 26, April 27, May 1 and May 2.

R97064D: Modify the standards manuals to use the new X12 data sets and implement the technical changes for request nos. R99038, R98055, R99040, R98088, R98057, R97044A, R99041 which have been approved by the GISB Executive Committee and request nos. R99039, R98057, R99044 which have been ratified by the GISB membership.

R98031 & R98035B: (EII Task Force, 11/2-4/98 –IR6, R98031 and EII Task Force 11/20/98 – IR14, R98035B) Decline the requests to:

- Develop an EDI dataset to allow Confirming Parties to elect to "Confirm by Exception" as provided for in 1.2.11 and 1.3.22, and to
- Add new transaction identifiers in the Request for Confirmation (G850RQCF) and the Confirmation Response (G855RRFC) datasets. This transaction identifier would be used to indicate when the above datasets are being used for pre-limit quantities.

R98085: (EII Task Force (12/2/98) –IR30) Delete GISB Standard No. 4.3.77: Where a Transportation Service Provider populates the Upstream/Downstream Identifier via its EBB/EDM implementation based upon provision of an upstream or downstream contract identifier at pooling and logical points, an EDI nomination should be provided the same capability.

R99035: Modify the EDM Implementation Guide to support standards convergence with IETF's "HTTP Transport for Secure EDI" (EDI INT standard AS2)

R99050: Modify the definition of the data element Tax Identification Code in the Transportation / Sales Invoice (3.4.1) and Service Requester Level Charge / Allowance Invoice (3.4.4) to "Code assigned by a government to the Payee."

FTTF Minimum Guidelines: The guidelines are reviewed and updated by the Future Technology Task Force, at a minimum, by the spring of each year and presented to the GISB Executive Committee for adoption by the June meeting of that group.

The recommendations can be accessed from the GISB Web site, but are also attached to this request for comment[1]. All comments received by the GISB office by end of business May 31 will be posted on the Home Page and forwarded to the Executive Committee (EC) members for their consideration. The EC members will consider all comments and are scheduled to cast their votes on these recommendations on June 15 at the EC meeting at the offices of Boeing in Seattle, Washington. If you have difficulty retrieving this document, please call the GISB office at (713) 356-0060.

Best Regards,

Rae McQuade

cc: Jay Costan

[1] All recommendations other than clarifications can be found on the "Request For Standards" page (http://www.gisb.org/req.htm) which is accessible from the GISB main page. Clarifications (Cxxxxx) can be found on the "Clarification Requests" page (http://www.gisb.org/clar.htm).

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Texaco **Request No.: R97064 - D**

1. Recommended Action:

___Accept as requested
_X_Accept as modified below
___Decline

Effect of EC Vote to Accept Recommended Action:

_X_Change to Existing Practice
___Status Quo

2. TYPE OF MAINTENANCE

Per Request:

___Initiation
_X_Modification
___Interpretation
___Withdrawal

___Principle (x.1.z)
___Definition (x.2.z)
___Business Practice Standard (x.3.z)
___Document (x.4.z)
___Data Element (x.4.z)
___Code Value (x.4.z)
_X_X12 Implementation Guide
___Business Process Documentation

Per Recommendation:

___Initiation
_X_Modification
___Interpretation
___Withdrawal

___Principle (x.1.z)
___Definition (x.2.z)
___Business Practice Standard (x.3.z)
___Document (x.4.z)
___Data Element (x.4.z)
___Code Value (x.4.z)
_X_X12 Implementation Guide
_X_Business Process Documentation

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Texaco Request No.: R97064 - D

3. RECOMMENDATION

BUSINESS PROCESS DOCUMENTATION (for addition, modification or deletion of business process documentation language)

Standards Book: Nominations Related Standards
Flowing Gas Related Standards
Invoicing Related Standards
Electronic Delivery Mechanism Related Standards
Capacity Release Related Standards

Related Standards tab
In the "Hypertext Transfer Protocol (HTTP)" section, for the "HTTP transaction-set Code Values" table, make the following modifications: For the row where the GISB Standard Number column = 1.4.1, change the "HTTP transaction-set Code Values" column from "G850NMST" to "G873NMST"; For the row where the GISB Standard Number column = 1.4.3, change the "HTTP transaction-set Code Values" column from "G850RQCF" to "G873RQCF"; For the row where the GISB Standard Number column = 1.4.4, change the "HTTP transaction-set Code Values" column from "G855RRFC" to "G873RRFC"; For the row where the GISB Standard Number column = 1.4.5, change the "HTTP transaction-set Code Values" column from "G865SQTS" to "G873SQTS"; For the row where the GISB Standard Number column = 1.4.6, change the "HTTP transaction-set Code Values" column from "G865SQOP" to "G873SQOP"

Standards Book: Electronic Delivery Mechanism Related Standards

Data Dictionary for Internet EDM
For the "transaction-set" data element, in the "Format" column, change "G850NMST" to "G873NMST"; delete "G855NMQR", and change "G850RQCF" to "G873RQCF"

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Texaco Request No.: R97064 - D

TECHNICAL CHANGE LOG (all instructions to accomplish the recommendation)

Document Name and No.: Nomination (1.4.1)
Request for Confirmation (1.4.3)
Confirmation Response (1.4.4)
Scheduled Quantity (1.4.5)
Scheduled Quantity for Operator (1.4.6)

Description of Change:
G850NMST – Nomination (1.4.1) - change 8 character code to G873NMST in all footers
Data Element Xref to X12
map NMST to 873 transaction: See redlined Data Element Xref to X12 *
Sample X12
map NMST to 873 transaction: See redlined Sample X12 Transaction *
X12 Mapping
map NMST to 873 transaction: See new X12 Mapping *
Transaction Set Tables
map NMST to 873 transaction: See redlined Transaction Set Tables *
G850RQCF Request for Confirmation (1.4.3) - change 8 character code to G873RQCF in all footers
Data Element Xref to X12
map RQCF to 873 transaction: See redlined Data Element Xref to X12 *
Sample X12
map RQCF to 873 transaction: See redlined Sample X12 Transaction *
X12 Mapping
map RQCF to 873 transaction: See new X12 Mapping *
Transaction Set Tables
map RQCF to 873 transaction: See redlined Transaction Set Tables *
G855RRFC Confirmation Response (1.4.4) - change 8 character code to G873RRFC in all footers
Data Element Xref to X12
map RRFC to 873 transaction: See redlined Data Element Xref to X12 *
Sample X12
map RRFC to 873 transaction: See redlined Sample X12 Transaction *
X12 Mapping
[This change was included in the new X12 Mapping provided with R97064D] BAK Segment (position 020): BAK02: Delete all code values per EC instruction from 04/13/00 EC meeting
map RRFC to 873 transaction: See new X12 Mapping *
Transaction Set Tables
map RRFC to 873 transaction: See redlined Transaction Set Tables *
G865SQTS Scheduled Quantity (1.4.5) - change 8 character code to G873SQTS in all footers
Data Element Xref to X12
map SQTS to 873 transaction: See redlined Data Element Xref to X12 *
Sample X12

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Texaco **Request No.: R97064 - D**

map SQTS to 873 transaction: See redlined Sample X12 Transaction *
X12 Mapping
map SQTS to 873 transaction: See new X12 Mapping *
Transaction Set Tables
map SQTS to 873 transaction: See redlined Transaction Set Tables *
G865SQOP Scheduled Quantity for Operator (1.4.6) - change 8 character code to G873SQOP in all footers
Data Element Xref to X12
map SQOP to 873 transaction: See redlined Data Element Xref to X12 *
Sample X12
map SQOP to 873 transaction: See redlined Sample X12 Transaction *
X12 Mapping
map SQOP to 873 transaction: See new X12 Mapping *
Transaction Set Tables
map SQOP to 873 transaction: See redlined Transaction Set Tables *

*Includes modifications from R99038, R98055, R99040, R98088, R98057, R97044A, R99041 which have been approved by the GISB Executive Committee and R99039, R98057, R99044 which have been ratified by the GISB membership.

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Texaco Request No.: R97064 - D

4. SUPPORTING DOCUMENTATION

a. Description of Request:

See original request to update GISB Implementation Guides to be ANSI compliant.

b. Description of Recommendation:

Technical Subcommittee

New 873 transaction set designed at the following meetings: 05/27/1998, 06/30/1998, 01/11/1999, 02/01/1999, and 05/14/1999

Nomination, Request for Confirmation, Confirmation Response, Scheduled Quantity, and Scheduled Quantity for Operator mapped to new 873 transaction set at the following meetings: 03/10/2000, 03/24/2000, 04/06-07/2000, 04/19/2000

Sense of the Room: April 19, 2000 __3__ In Favor __0__ Opposed
Segment Check (if applicable):
In Favor : __End-Users __LDCs __Pipelines __Producers __Services
Opposed : __End-Users __LDCs __Pipelines __Producers __Services

c. Business Purpose:

To create ANSI Compliant Nomination, Request for Confirmation, Confirmation Response, Scheduled Quantity and Scheduled Quantity for Operator EDI Transaction Sets.

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

DATA ELEMENT CROSS REFERENCE TO ASC X12

P - Pathed Model, N - Non-Pathed Model, T - Pathed Non-Threaded Model (Threaded Segment), U - Pathed Non-Threaded Model (Un-threaded Segment)

Usage Codes: M - Mandatory, C - Conditional, SO - Sender's Option, BC - Business Conditional, MA - Mutually Agreeable, nu - not used

Heading:

Segment	Usage P N T U	Segment Name/GISB Data Element Name
ST	M M M M	Transaction Set Header
~~BEG~~BGN	M M M M	Beginning Segment
DTM	M M M M	Time Stamp
N1	M M M M	Transportation Service Provider
N1	M M M M	Service Requester

Detail:

Segment	Usage P N T U	Segment Name/GISB Data Element Name
~~PO1~~	~~M M M M~~	~~Service Requester Contract~~
	~~M M M M~~	~~Model Type~~
DTM	M M M M	Beginning Date
	BC BC BC BC	Beginning Time
~~DTM~~	M M M M	Ending Date
	M M M M	Ending Time
~~PO1~~CS	M M M M	Service Requester Contract
	M M M M	Model Type
Sub-detail:		
SLN	M M M M	Nominator's Tracking ID
	~~M M M M~~	~~Quantity~~
	BC BC BC BC	Bid Transportation Rate

Segment	Usage P N T U	Segment Name/GISB Data Element Name
~~SI~~	~~M M M M~~	~~Quantity Type Indicator~~
	~~M M M M~~	~~Transaction Type~~
	~~SO SO SO nu~~	~~Receipt Rank (Priority)~~
	~~SO SO SO nu~~	~~Delivery Rank (Priority)~~
	~~MA MA nu SO~~	~~Upstream Rank (Priority)~~
	~~MA MA nu SO~~	~~Downstream Rank (Priority)~~
	~~BC BC nu BC~~	~~Upstream Contract Identifier~~
	~~BC BC nu BC~~	~~Downstream Contract Identifier~~
	~~BC BC nu BC~~	~~Maximum Rate Indicator~~
	~~MA MA MA MA~~	~~Associated Contract~~
	~~MA MA MA MA~~	~~Service Provider's Activity Code~~
	~~MA MA MA MA~~	~~Capacity Type Indicator~~
	~~MA MA MA MA~~	~~Deal Type~~
	~~MA MA nu nu~~	~~Upstream Package ID~~
	~~MA MA nu nu~~	~~Downstream Package ID~~
	~~SO SO SO SO~~	~~Package ID~~
	~~MA MA MA MA~~	~~Bid Up Indicator~~
	~~MA MA MA MA~~	~~Export Declaration~~
	~~MA MA MA MA~~	~~Nomination Subsequent Cycle Indicator~~
	~~MA MA MA MA~~	~~Processing Rights Indicator~~
	~~MA MA MA MA~~	~~Nomination User Data 1~~
	~~MA MA MA MA~~	~~Nomination User Data 2~~
LQ	M M M M	Quantity Type Indicator
LQ	M M M M	Transaction Type
LQ	BC BC BC nu	Maximum Rate Indicator
LQ	MA MA MA MA	Capacity Type Indicator
LQ	MA MA MA MA	Bid Up Indicator
LQ	MA MA MA MA	Export Declaration
LQ	MA MA MA MA	Nomination Subsequent Cycle Indicator
LQ	MA MA MA MA	Processing Rights Indicator
N9	SO SO SO SO	Package ID
N9	MA MA MA MA	Associated Contract
N9	MA MA MA MA	Service Provider's Activity Code
N9	MA MA MA MA	Deal Type
N9	MA MA MA MA	Nomination User Data 1
N9	MA MA MA MA	Nomination User Data 2
~~PO3~~	~~MA nu MA nu~~	~~Delivered Quantity~~
	~~MA MA MA MA~~	~~Minimum Delivery Quantity~~
	~~MA MA MA MA~~	~~Minimum Receipt Quantity~~
~~N1~~	~~M C M C~~	~~Delivery Location/Delivery Location Proprietary Code~~
~~N1~~	~~M C M C~~	~~Receipt Location/Receipt Location Proprietary Code~~
~~N1~~	~~M C nu C~~	~~Downstream Identifier Code~~
~~N1~~	~~M C nu C~~	~~Upstream Identifier Code~~
N1	M C nu C	Upstream Identifier Code
LCD	M C M C	Receipt Location/Receipt Location Proprietary Code
N9	BC BC nu BC	Upstream Contract Identifier
N9	MA MA nu nu	Upstream Package ID
LQ	SO SO SO nu	Receipt Rank (Priority)
LQ	MA MA nu SO	Upstream Rank (Priority)
QTY	C C C C	Quantity
QTY	MA MA MA MA	Minimum Receipt Quantity

Segment	Usage P N T U	Segment Name/GISB Data Element Name
N1	M C nu C	Downstream Identifier Code
LCD	M C M C	Delivery Location/Delivery Location Proprietary Code
N9	BC BC nu BC	Downstream Contract Identifier
N9	MA MA nu nu	Downstream Package ID
LQ	SO SO SO nu	Delivery Rank (Priority)
LQ	MA MA nu SO	Downstream Rank (Priority)
QTY	C C C C	Quantity
QTY	MA nu MA nu	Delivered Quantity
QTY	MA MA MA MA	Minimum Delivery Quantity

Summary:

Segment	Usage P N T U	Segment Name/GISB Data Element Name
~~CTT~~	~~M M M M~~	~~Transaction Totals~~
SE	M M M M	Transaction Set Trailer

SAMPLE ASC X12 TRANSACTION

EDI example information

In the **EDI** implementation, a group of nomination line items may be bundled into a single transaction set. This bundle is assigned a nomination number by the nomination originator. The nomination number is transmitted in the header portion of the EDI transaction set. The processor of the nomination (transportation service provider) uses this number in the corresponding Quick Response transaction to identify which bundle of nomination line items are being responded to.

Pathed Model

ST*~~850~~873*123456789
~~BEG*00*G1*1**960123~~
BGN*00*1*19960123****G1
DTM*102~~*~~*****DT*199601230945
N1*SJ**1*357961038
N1*78**1*478935021
~~PO1*00001*****CR*K1234*MN*P~~
DTM*007~~*~~*****RDT*199602010900-199602020900
~~DTM*197*****DT*199602020900~~
CS*K1234***NMT*P
SLN*~~000001*~~N001~~*~~*I~~*100*BZ~~
~~SI*AP*QT*R*TT*01~~
LQ*QT*R
LQ*TT*01
~~N1*M2**29*R11111111~~
~~N1*MQ**29*D11111111~~
N1*US**1*123456789
LCD*1*M2***DR*R11111111
QTY*38*100*BZ
N1*DW**1*987654321
LCD*1*MQ***DR*D11111111
SLN*~~000002*~~N002~~*~~*I~~*25*BZ~~
~~SI*AP*QT*R*TT*01~~
LQ*QT*R
LQ*TT*01
~~N1*M2**29*R11111111~~
~~N1*MQ**29*D22222222~~
N1*US**1*123456780
LCD*1*M2***DR*R11111111
QTY*38*25*BZ
N1*DW**1*987654320
LCD*1*MQ***DR*D22222222
SLN*~~000003*~~N003~~*~~*I~~*25*BZ~~
~~SI*AP*QT*R*TT*01~~
LQ*QT*R
LQ*TT*01
~~N1*M2**29*R11111111~~
~~N1*MQ**29*D11111111~~
N1*US**1*123456780
LCD*1*M2***DR*R11111111
QTY*38*25*BZ
N1*DW**1*987654321
LCD*1*M2***DR*D11111111
~~CTT*1~~
SE*~~28~~32*123456789

Non-Pathed Model

ST*~~850~~873*123456789
~~BEG*00*G1*2**960123~~
BGN*00*2*19960123****G1
DTM*102~~*~~****DT*199601230945
N1*SJ**1*357961038
N1*78**1*478935021
~~PO1******CR*K1234*MN*N~~
DTM*007~~*~~*****RDT*199602010900-199602020900
~~DTM*197*****DT*199602020900~~
CS*K1234***NMT*N
SLN*~~000001*~~N004~~*~~**I~~*100*BZ~~
~~SI*AP*QT*R*TT*01~~
LQ*QT*R
LQ*TT*01
~~N1*M2**29*R11111111~~
N1*US**1*123456789
LCD*1*M2***DR*R11111111
QTY*38*100*BZ
SLN*~~000002*~~N005~~*~~**I~~*50*BZ~~
~~SI*AP*QT*R*TT*01~~
LQ*QT*R
LQ*TT*01
~~N1*M2**29*R11111111~~
N1*US**1*123456780
LCD*1*M2***DR*R11111111
QTY*38*50*BZ
SLN*~~000003*~~N006~~*~~**I~~*119*BZ~~
~~SI*AP*QT*D*TT*01~~
LQ*QT*D
LQ*TT*01
~~N1*MQ**29*D11111111~~
N1*DW**1*987654321
LCD*1*MQ***DR*D11111111
QTY*38*119*BZ
SLN*~~000004*~~N007~~*~~**I~~*24*BZ~~
~~SI*AP*QT*D*TT*01~~
LQ*QT*D
LQ*TT*01
~~N1*MQ**29*D22222222~~
N1*DW**1*987654320
LCD*1*MQ***DR*D22222222
QTY*38*24*BZ
~~CTT*1~~
SE*~~2632~~*123456789

Pathed Non-Threaded Model

ST*850873*123456789
BEG*00*G1*2**960123
BGN*00*2*19960123****G1
DTM*102*****DT*199601230945
N1*SJ**1*357961038
N1*78**1*478935021
PO1******CR*K1234*MN*T
DTM*007*****RDT*199602010900-199602020900
DTM*197*****DT*199602020900
CS*K1234***NMT*T
SLN*000001*N008**I*125*BZ
SI*AP*QT*R*TT*01
LQ*QT*R
LQ*TT*01
N1*US**ZZ*N/A
N1LCD*1*M2****29DR*R11111111
QTY*38*125*BZ
N1*DW**ZZ*N/A
N1LCD*1*MQ****29DR*D11111111
SLN*000002*N009**I*25*BZ
SI*AP*QT*R*TT*01
LQ*QT*R
LQ*TT*01
N1*US**ZZ*N/A
N1LCD*1*M2****29DR*R11111111
QTY*38*25*BZ
N1*DW**ZZ*N/A
N1LCD*1*MQ****29DR*D22222222
PO1******CR*K1234*MN*U
DTM*007*****RDT*199602010900-199602020900
DTM*197*****DT*199602020900
CS*K1234***NMT*U
SLN*000003*N010**I*100*BZ
SI*AP*QT*R*TT*01
LQ*QT*R
LQ*TT*01
N1*M2**29*R11111111
N1*US**1*123456789
LCD*1*M2***DR*R11111111
QTY*38*100*BZ
SLN*000004*N011**I*50*BZ
SI*AP*QT*R*TT*01
LQ*QT*R
LQ*TT*01
N1*M2**29*R11111111
N1*US**1*123456780
LCD*1*M2***DR*R11111111
QTY*38*50*BZ
SLN*000005*N012**I*119*BZ
SI*AP*QT*D*TT*01
LQ*QT*D
LQ*TT*01
N1*MQ**29*D11111111
N1*DW**1*987654321

LCD*1*MQ***DR*D11111111
QTY*38*119*BZ
SLN*~~000006*~~N013**I~~*24*BZ~~
~~SI*AP*QT*D*TT*01~~
LQ*QT*D
LQ*TT*01
~~N1*MQ**29*D22222222~~
N1*DW**1*987654320
LCD*1*MQ***DR*D22222222
QTY*38*24*BZ
~~CTT*2~~
SE*~~37~~50*123456789

TRANSACTION SET TABLES

P - Pathed Model, N - Non-Pathed Model, T - Pathed Non-Threaded Model (Threaded Segment), U - Pathed Non-Threaded Model (Un-threaded Segment), nu - not used

DTM Segments (Detail)

Element Name (DTM07)	Usage	DTM01	DTM06
Beginning Date/Beginning Time	M/BC	007	D8 DT
Ending Date/Ending Time	M	197	D8 DT

SI 1000/234 Pairs (Sub-detail)

Element Name	Usage when PO109 =				Elem 1000	Elem 234	Elem 234 Description
	'P'	'N'	'T'	'U'			
Quantity Type Indicator	M	M	M	M	QT	R	Receipt
						D	Delivery
						B	Both
Transaction Type	M	M	M	M	TT	01	Current Business (default)
						02	Authorized Contract Overrun
						03	Imbalance Payback from Transportation Service Provider
						04	Imbalance Payback to Transportation Service Provider
						05	Plant Thermal Reduction
						06	Storage Injection
						07	Storage Withdrawal
						08	Pooling
						12	Authorized Injection Overrun
						13	Authorized Withdrawal Overrun
						14	Extended Receipt / Delivery Service
						16	No-Notice Balancing
						17	No-Notice Pre-Injection
						18	Suspense Gas Claim

Element Name	Usage when PO109 = 'P'	'N'	'T'	'U'	Elem 1000	Elem 234	Elem 234 Description
						19	Delivery of Claimed Suspense Gas
						22	No-Notice Service
						24	No-Notice Due Transportation Service Provider Balancing
						25	No-Notice Due Service Requester Balancing
						26	Park
						27	Park Withdrawal
						28	Loan
						29	Loan Payback
						31	Meter Bounce
						41	Storage Inventory Cycling
						48	Authorized Point Overrun
						52	TSP Deficiency Credit
						53	SR Deficiency Credit
						54	Pool-to-Pool
						55	Backhaul
						56	Flow Day Diversion
Capacity Type Indicator	MA	MA	MA	MA	CT	PP	Primary to Primary
						PS	Primary to Secondary
						SS	Secondary to Secondary
						SP	Secondary to Primary
						IT	Interruptible
						TP	Tertiary to Primary
						TS	Tertiary to Secondary
Downstream Contract Identifier	BC	BC2	nu	BC2	DK		Downstream Contract ID
Associated Contract	MA	MA	MA	MA	AK		Associated Contract ID
Package ID	SO	SO	SO	SO	PG		Service Requester Package ID
Upstream Package ID	MA	MA1	nu	nu	UP		Upstream Package ID
Downstream Package ID	MA	MA2	nu	nu	DP		Downstream Package ID
Upstream Rank (Priority)	MA	MA1	nu	SO1	R1	001 thru 999	Cut Last Cut First

Element Name	Usage when PO109 = 'P'	Usage when PO109 = 'N'	Usage when PO109 = 'T'	Usage when PO109 = 'U'	Elem 1000	Elem 234	Elem 234 Description
Receipt Rank (Priority)	SO	SO1	SO	nu	R2	001 thru 999	Cut Last Cut First
Delivery Rank (Priority)	SO	SO2	SO	nu	R3	001 thru 999	Cut Last Cut First
Downstream Rank (Priority)	MA	MA2	nu	SO2	R4	001 thru 999	Cut Last Cut First
Deal Type	MA	MA	MA	MA	DL		Deal Type
Service Provider Activity Code	MA	MA	MA	MA	SA		Service Provider Activity Code
Upstream Contract Identifier	BC	BC1	nu	BC1	UK		Upstream Contract ID
Bid Up Indicator	MA	MA	MA	MA	BU	MAX	Maximum Tariff Rate
Export Declaration	MA	MA	MA	MA	ED	GSTY GSTN	GST Export Declaration -- Yes GST Export Declaration -- No
Nomination Subsequent Cycle Indicator	MA	MA	MA	MA	MC	Y N	Yes No
Processing Rights Indicator	MA	MA	MA	MA	PR	Y N	Yes No
Nomination User Data 1	MA	MA	MA	MA	A1		Nomination User Data 1
Nomination User Data 2	MA	MA	MA	MA	A2		Nomination User Data 2
Maximum Rate Indicator	BC	BC	BC	nu	MR	Y N	Yes No

Usage:

MA1 This element may only be used when a Receipt Location or Receipt Location Proprietary Code is present (N101 = 'M2').

MA2 This element may only be used when a Delivery Location or Delivery Location Proprietary Code is present (N101 = 'MQ').

SO1 This element may only be used when a Receipt Location or Receipt Location Proprietary Code is present (N101 = 'M2').

SO2 This element may only be used when a Delivery Location or Delivery Location Proprietary Code is present (N101 = 'MQ').

BC1 This element may only be used when a Receipt Location or Receipt Location Proprietary Code is present (N101 = 'M2').

~~BC2 This element may only be used when a Delivery Location or Delivery Location Proprietary Code is present (N101 = 'MQ').~~

~~SI 1000/234 Pairs~~LQ Segments (Sub-detail)

Element Name (LQ02)	Usage when CS05~~PO109~~ = 'P'	'N'	'T'	'U'	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
Quantity Type Indicator	M	M	M	M	QT	R	Receipt
						D	Delivery
						B	Both
Transaction Type	M	M	M	M	TT	01	Current Business (default)
						02	Authorized Contract Overrun
						03	Imbalance Payback from Transportation Service Provider
						04	Imbalance Payback to Transportation Service Provider
						05	Plant Thermal Reduction
						06	Storage Injection
						07	Storage Withdrawal
						08	Pooling
						12	Authorized Injection Overrun
						13	Authorized Withdrawal Overrun
						14	Extended Receipt / Delivery Service
						16	No-Notice Balancing
						17	No-Notice Pre-Injection
						18	Suspense Gas Claim
						19	Delivery of Claimed Suspense Gas
						22	No-Notice Service
						24	No-Notice Due Transportation Service Provider Balancing
						25	No-Notice Due Service Requester Balancing
						26	Park
						27	Park Withdrawal

Element Name (LQ02)	Usage when CS05~~PO109~~ = 'P'	'N'	'T'	'U'	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
						28	Loan
						29	Loan Payback
						31	Meter Bounce
						41	Storage Inventory Cycling
						48	Authorized Point Overrun
						52	TSP Deficiency Credit
						53	SR Deficiency Credit
						54	Pool-to-Pool
						55	Backhaul
						56	Flow Day Diversion
Capacity Type Indicator	MA	MA	MA	MA	~~CT~~CQ	PP	Primary to Primary
						PS	Primary to Secondary
						SS	Secondary to Secondary
						SP	Secondary to Primary
						IT	Interruptible
						TP	Tertiary to Primary
						TS	Tertiary to Secondary
Bid Up Indicator	MA	MA	MA	MA	~~BU~~BUI	MAX	Maximum Tariff Rate
Export Declaration	MA	MA	MA	MA	~~ED~~XD	GSTY	GST Export Declaration -- Yes
						GSTN	GST Export Declaration -- No
Nomination Subsequent Cycle Indicator	MA	MA	MA	MA	~~MC~~MCI	Y	Yes
						N	No
Processing Rights Indicator	MA	MA	MA	MA	PR	Y	Yes
						N	No
Maximum Rate Indicator	BC	BC	BC	nu	MR	Y	Yes
						N	No

~~SI 1000/234 Pairs~~N9 Segments (Sub-detail)

Element Name (N902)	Usage when ~~PO109~~CS05 = 'P'	'N'	'T'	'U'	N901 ~~Elem 1000~~	~~Elem 234~~	~~Elem 234 Description~~
Associated Contract	MA	MA	MA	MA	~~AK~~KAS		~~Associated Contract ID~~
Package ID	SO	SO	SO	SO	~~PG~~ PKG		~~Service Requester Package ID~~
Deal Type	MA	MA	MA	MA	~~DL~~PD		~~Deal Type~~
Service Provider's Activity Code	MA	MA	MA	MA	~~SA~~BE		~~Service Provider Activity Code~~
Nomination User Data 1	MA	MA	MA	MA	~~A1~~JD		~~Nomination User Data 1~~
Nomination User Data 2	MA	MA	MA	MA	~~A2~~Y8		~~Nomination User Data 2~~

~~SI 1000/234 Pairs~~N9 Segments (Sub-detail - N1 loop)

Element Name (N902)	Usage when ~~PO109~~CS05 = 'P'	'N'	'T'	'U'	N901 ~~Elem 1000~~	~~Elem 234~~	~~Elem 234 Description~~
Downstream Contract Identifier	BC2 ~~BC~~	BC2	nu	BC2	~~DK~~DT		~~Downstream Contract ID~~
Upstream Package ID	MA1 ~~MA~~	MA1	nu	nu	~~UP~~PKU		~~Upstream Package ID~~
Downstream Package ID	MA2 ~~MA~~	MA2	nu	nu	PGD ~~DP~~		~~Downstream Package ID~~
Upstream Contract Identifier	BC1 ~~BC~~	BC1	nu	BC2	~~UK~~UP		~~Upstream Contract ID~~

Usage:

MA1 This element may only be used ~~when a Receipt Location or Receipt Location Proprietary Code is present (N101 = 'M2').~~in the upstream N1 loop (N101 = 'US').

MA2 This element may only be used ~~when a Delivery Location or Delivery Location Proprietary Code is present (N101 = 'MQ').~~in the downstream N1 loop (N101 = 'DW').

BC1 This element may only be used ~~when a Receipt Location or Receipt Location Proprietary Code is present (N101 = 'M2').~~in the upstream N1 loop (N101 = 'US').

BC2 This element may only be used ~~when a Delivery Location or Delivery Location Proprietary Code is present (N101 = 'MQ').~~in the downstream N1 loop (N101 = 'DW').

~~SI 1000/234 Pairs~~LQ Segments (Sub-detail - N1 loop)

Element Name (LQ02)	Usage when ~~PO109~~ CS05= 'P'	'N'	'T'	'U'	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
Upstream Rank (Priority)	MA1 ~~MA~~	MA1	nu	SO1	R1	001 thru 999	Cut Last Cut First
Receipt Rank (Priority)	SO1 ~~SO~~	SO1	SO	nu	R2	001 thru 999	Cut Last Cut First
Delivery Rank (Priority)	SO1 ~~SO~~	SO2	SO	nu	R3	001 thru 999	Cut Last Cut First
Downstream Rank (Priority)	MA2 ~~MA~~	MA2	nu	SO2	R4	001 thru 999	Cut Last Cut First

Usage:

MA1 This element may only be used ~~when a Receipt Location or Receipt Location Proprietary Code is present (N101 = 'M2').~~in the upstream N1 loop (N101 = 'US').

MA2 This element may only be used ~~when a Delivery Location or Delivery Location Proprietary Code is present (N101 = 'MQ').~~in the downstream N1 loop (N101 = 'DW').

SO1 This element may only be used ~~when a Receipt Location or Receipt Location Proprietary Code is present (N101 = 'M2').~~in the upstream N1 loop (N101 = 'US').

SO2 This element may only be used ~~when a Delivery Location or Delivery Location Proprietary Code is present (N101 = 'MQ').~~in the downstream N1 loop (N101 = 'DW').

~~PO3~~QTY Segments (Sub-detail - N1 loop)

Element Name (~~PO306~~QTY02)	Usage when ~~PO109~~CS05 = 'P'	'N'	'T'	'U'	QTY01 ~~PO301~~
Quantity	M1	M1	M1	M1	38
Delivered Quantity	MA1 ~~MA~~	nu	MA1~~M A~~	nu	~~ZZ~~QD
Minimum Delivery Quantity	MA2 ~~MA~~	MA2 ~~MA~~	MA2~~M A~~	MA2~~M A~~	~~MP~~8H
Minimum Receipt Quantity	MA3 ~~MA~~	MA3 ~~MA~~	MA3~~M A~~	MA3~~M A~~	~~MC~~67

Usage:

M1 When sending one quantity and LQ01 = 'QT'/LQ02 = 'R', send Quantity in the upstream N1 loop (N101 = 'US').

When sending one quantity and LQ01 = 'QT'/LQ02 = 'D', send Quantity in the downstream N1 loop (N101 = 'DW').
When sending two quantities, send Quantity in the upstream N1 loop (N101 = 'US') and send Delivered Quantity in the downstream N1 loop (N101 = 'DW').

MA1 When sending two quantities, send Quantity in the upstream N1 loop (N101 = 'US') and send Delivered Quantity in the downstream N1 loop (N101 = 'DW').

MA2 This element may only be used in the downstream N1 loop (N101 = 'DW').

MA3 This element may only be used in the upstream N1 loop (N101 = 'US').

~~N1 Segments (Sub-detail)~~

~~Element Name (N104)~~	~~Usage when PO109 = 'P'~~	~~'N'~~	~~'T'~~	~~'U'~~	~~N101~~	~~N103~~	~~N103 Description~~
~~Downstream Identifier Code~~	~~M~~	~~C~~	~~nu~~	~~C~~	~~DW~~	~~1~~	~~D-U-N-S Number, Dun & Bradstreet~~
~~Receipt Location/Receipt Location Proprietary Code~~	~~M~~	~~C~~	~~M~~	~~C~~	~~M2~~	~~29~~ ~~ZY~~	~~GISB/PI Data Reference Number (see n1)~~ ~~Transportation Service Provider's proprietary code (see n1)~~
~~Delivery Location/Delivery Location Proprietary Code~~	~~M~~	~~C~~	~~M~~	~~C~~	~~MQ~~	~~29~~ ~~ZY~~	~~GISB/PI Data Reference Number (see n1)~~ ~~Transportation Service Provider's proprietary code (see n1)~~
~~Upstream Identifier Code~~	~~M~~	~~C~~	~~nu~~	~~C~~	~~US~~	~~1~~	~~D-U-N-S Number, Dun & Bradstreet~~

~~Notes:~~

~~n1 When a Transportation Service Provider's proprietary location code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.~~

DATA ELEMENT CROSS REFERENCE TO ASC X12

Usage Codes: M - Mandatory, C - Conditional, SO - Sender's Option, BC - Business Conditional, MA - Mutually Agreeable, nu - not used

Heading:

Segment	Usage	Segment Name/GISB Data Element Name
ST	M	Transaction Set Header
~~BEG~~BGN	M	Transaction Identifier
N1	M	Confirming Party
N1	M	Confirmation Requester

Detail:

Segment	Usage	Segment Name/GISB Data Element Name
~~PO1~~	~~BC~~	~~Confirmation Service Contract~~
DTM	M	Beginning Date
	M	Beginning Time
	M	Ending Date
	M	Ending Time
~~N1~~LCD	M	Location/Location Proprietary Code
~~PO1~~CS	BC	Confirmation Service Contract
N1	C	Confirmation Service Identifier Code
Sub-detail:		
SLN	M	Confirmation Tracking Identifier
	M	Quantity
~~SI~~	~~M~~	~~Contractual Flow Indicator~~
	~~MA~~	~~Service Requester Contract~~
	~~BC~~	~~Downstream Contract Identifier~~
	~~BC~~	~~Upstream Contract Identifier~~
	~~MA~~	~~Package ID~~
	~~MA~~	~~Upstream Package ID~~
	~~MA~~	~~Downstream Package ID~~
	~~C~~	~~Associated Contract~~
	~~MA~~	~~Receipt Rank (Priority)~~
	~~MA~~	~~Delivery Rank (Priority)~~
	~~MA~~	~~Confirmation Subsequent Cycle Indicator~~
	~~MA~~	~~Confirmation User Data 1~~
	~~MA~~	~~Confirmation User Data 2~~
LQ	M	Contractual Flow Indicator
LQ	MA	Confirmation Subsequent Cycle Indicator
N9	C	Associated Contract
N9	MA	Package ID
N9	MA	Confirmation User Data 1
N9	MA	Confirmation User Data 2

Segment	Usage	Segment Name/GISB Data Element Name
~~N1~~	~~C~~	~~Downstream Identifier Code~~
~~N1~~	~~C~~	~~Upstream Identifier Code~~
~~N1~~	~~MA~~	~~Service Requester~~
N1	C	Upstream Identifier Code
N9	BC	Upstream Contract Identifier
N9	MA	Upstream Package ID
LQ	MA	Receipt Rank (Priority)
N1	C	Downstream Identifier Code
N9	BC	Downstream Contract Identifier
N9	MA	Downstream Package ID
LQ	MA	Delivery Rank (Priority)
N1	MA	Service Requester
N9	MA	Service Requester Contract

Summary:

Segment	Usage	Segment Name/GISB Data Element Name
~~CTT~~	~~M~~	~~Transaction Totals~~
SE	M	Transaction Set Trailer

SAMPLE ASC X12 TRANSACTION

ST*~~850~~873*123456789
~~BEG*00*G2*54321**960123~~
BGN*00*54321*19960123****G2
N1*~~40~~CNP**1*962078531
N1*~~41~~CNR**1*208549725
~~PO1*00001*****CR*OBA4321~~
DTM*007*~~*~~****RDT*199602010900-199602020900
~~N1~~LCD*1*~~MQ~~LCN***~~29~~DR*R11111111
CS*OBA4321
N1*~~B2~~CNS**1*321654987
SLN*~~000001*~~C001~~*~~**I*100*BZ
~~SI*AP*CF*R~~
LQ*CFI*R
N1*US**1*123456789
SLN*~~000002*~~C002~~*~~**I*50*BZ
~~SI*AP*CF*R~~
LQ*CFI*D
N1*DW**1*987654320
~~CTT*1~~
SE*~~16~~15*123456789

TRANSACTION SET TABLES

N1 Segments (Detail)

Element Name (N104)	Usage	N101	N103	N103 Description
Location/Location Proprietary Code	M	MQ	29 ZY	GISB/PI Data Reference Number (see n1) Transportation Service Provider's proprietary code (see n1).
Confirmation Service Identifier Code	C	B2	1	D-U-N-S Number, Dun & Bradstreet

Notes:

n1 When a Transportation Service Provider's proprietary code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.

SI 1000/234 Pairs (Sub-detail)

Element Name	Usage	Elem 1000	Elem 234	Elem 234 Description
Contractual Flow Indicator	M	CF	R D	Receipt Delivery
Service Requester Contract	MA	CR		Service Requester Contract ID
Downstream Contract Identifier	BC1	DK		Downstream Contract ID
Upstream Contract Identifier	BC2	UK		Upstream Contract ID
Package ID	MA	PG		Package ID
Downstream Package ID	MA1	DP		Downstream Package ID
Upstream Package ID	MA2	UP		Upstream Package ID
Associated Contract	C	AK		Associated Contract ID
Delivery Rank (Priority)	MA1	R3		Delivery Rank (Priority)
Receipt Rank (Priority)	MA2	R2		Receipt Rank (Priority)
Confirmation Subsequent Cycle Indicator	MA	MC	Y N	Yes No
Confirmation User Data 1	MA	C1		Confirmation User Data 1
Confirmation User Data 2	MA	C1		Confirmation User Data 2

~~**Usage:**~~

~~BC1 This element may only be used when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D').~~

~~BC2 This element may only be used when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R').~~

~~MA1 This element may only be used when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D').~~

~~MA2 This element may only be used when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R').~~

~~SI 1000/234 Pairs~~LQ Segments (Sub-detail)

Element Name (LQ02)	Usage	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
Contractual Flow Indicator	M	~~CF~~CFI	R	Receipt
			D	Delivery
Confirmation Subsequent Cycle Indicator	MA	~~MC~~MCI	Y	Yes
			N	No

~~SI 1000/234 Pairs~~N9 Segments (Sub-detail)

Element Name (N902)	Usage	N901 ~~Elem 1000~~	~~Elem 234~~	~~Elem 234 Description~~
Package ID	MA	~~PG~~PKG		~~Package ID~~
Associated Contract	C	~~AK~~KAS		~~Associated Contract ID~~
Confirmation User Data 1	MA	~~C1~~JD		~~Confirmation User Data 1~~
Confirmation User Data 2	MA	~~C1~~Y8		~~Confirmation User Data 2~~

N1 Segments (Sub-detail)

Element Name (N104)	Usage	N101	N103	N103 Description
Downstream Identifier Code	C	DW	1	D-U-N-S Number, Dun & Bradstreet
Upstream Identifier Code	C	US	1	D-U-N-S Number, Dun & Bradstreet
Service Requester	MA	78	1	D-U-N-S Number, Dun & Bradstreet

~~SI 1000/234 Pairs~~N9 Segments (Sub-detail - N1 loop)

Element Name (N902)	Usage	N901 ~~Elem 1000~~	~~Elem 234~~	~~Elem 234 Description~~
Downstream Contract Identifier	BC1	~~DK~~DT		~~Downstream Contract ID~~
Upstream Contract Identifier	BC2	~~UK~~UP		~~Upstream Contract ID~~
Downstream Package ID	MA1	~~DP~~PGD		~~Downstream Package ID~~
Upstream Package ID	MA2	~~UP~~PKU		~~Upstream Package ID~~
Service Requester Contract	MA3~~MA~~	~~CR~~KSR		~~Service Requester Contract ID~~

Usage:

BC1 This element may only be used ~~when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D')~~ in the downstream N1 loop (N101 = 'DW').

BC2 This element may only be used ~~when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R')~~ in the upstream N1 loop (N101 = 'US').

MA1 This element may only be used ~~when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D')~~ in the downstream N1 loop (N101 = 'DW').

MA2 This element may only be used ~~when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R')~~ in the upstream N1 loop (N101 = 'US').

MA3 This element may only be used in the service requester N1 loop (N101 = '78').

~~SI 1000/234 Pairs~~LQ Segments (Sub-detail - N1 loop)

Element Name (LQ02)	Usage	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	LQ02 ~~Elem 234~~ Description
Delivery Rank (Priority)	MA1	R3	001 thru 999	Cut Last ~~Delivery Rank (Priority)~~ Cut First
Receipt Rank (Priority)	MA2	R2	001 thru 999	Cut Last ~~Receipt Rank (Priority)~~ Cut First

Usage:

MA1 This element may only be used ~~when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D').~~ in the downstream N1 loop (N101 = 'DW').

MA2 This element may only be used ~~when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R').~~ in the upstream N1 loop (N101 = 'US').

DATA ELEMENT CROSS REFERENCE TO ASC X12

Usage Codes: M - Mandatory, C - Conditional, SO - Sender's Option, BC - Business Conditional, MA - Mutually Agreeable, nu - not used

Heading:

Segment	Usage	Segment Name/GISB Data Element Name
ST	M	Transaction Set Header
~~BAK~~BGN	M	Transaction Identifier
N1	M	Confirming Party
N1	M	Confirmation Requester

Detail:

Segment	Usage	Segment Name/GISB Data Element Name
~~PO1~~	~~BC~~	~~Confirmation Service Contract~~
~~PID~~	~~SO~~	~~Reduction Reason~~
DTM	M	Beginning Date
	M	Beginning Time
	M	Ending Date
	M	Ending Time
~~PID~~LQ	SO	Reduction Reason
~~N1~~LCD	M	Location/Location Proprietary Code
~~PO1~~CS	BC	Confirmation Service Contract
N1	C	Confirmation Service Identifier Code
Sub-detail:		
SLN	M	Confirmation Tracking Identifier
	M	Quantity
~~SI~~	~~M~~	~~Contractual Flow Indicator~~
	~~M~~	~~Solicited/Unsolicited Indicator~~
	~~BC~~	~~Downstream Contract Identifier~~
	~~BC~~	~~Upstream Contract Identifier~~
	~~C~~	~~Associated Contract~~
	~~MA~~	~~Service Requester Contract~~
	~~MA~~	~~Package ID~~
	~~MA~~	~~Upstream Package ID~~
	~~MA~~	~~Downstream Package ID~~
	~~MA~~	~~Receipt Rank (Priority)~~
	~~MA~~	~~Delivery Rank (Priority)~~
	~~MA~~	~~Confirmation Subsequent Cycle Indicator~~
	~~MA~~	~~Confirmation User Data 1~~
	~~MA~~	~~Confirmation User Data 2~~
LQ	M	Contractual Flow Indicator
LQ	M	Solicited/Unsolicited Indicator
LQ	SO	Reduction Reason
LQ	MA	Confirmation Subsequent Cycle Indicator

Segment	Usage	Segment Name/GISB Data Element Name
N9	C	Associated Contract
N9	MA	Package ID
N9	MA	Confirmation User Data 1
N9	MA	Confirmation User Data 2
~~PID~~	~~SO~~	~~Reduction Reason~~
~~N1~~	~~C~~	~~Downstream Identifier Code~~
~~N1~~	~~C~~	~~Upstream Identifier Code~~
~~N1~~	~~MA~~	~~Service Requester~~
N1	C	Upstream Identifier Code
N9	BC	Upstream Contract Identifier
N9	MA	Upstream Package ID
LQ	MA	Receipt Rank (Priority)
N1	C	Downstream Identifier Code
N9	BC	Downstream Contract Identifier
N9	MA	Downstream Package ID
LQ	MA	Delivery Rank (Priority)
N1	MA	Service Requester
N9	MA	Service Requester Contract

Summary:

Segment	Usage	Segment Name/GISB Data Element Name
~~CTT~~	~~M~~	~~Transaction Totals~~
SE	M	Transaction Set Trailer

SAMPLE ASC X12 TRANSACTION

ST*~~855~~873*012345678
~~BAK*06*AT*54321**960123~~
BGN*00*54321*19960123****G3
N1*~~40~~CNP**1*962078531
N1*~~41~~CNR**1*208549725
~~PO1*00001*****CR*OBA4321~~
DTM*007*~~*~~****RDT*199602010900-199602020900
~~N1~~LCD*1*~~MQ~~LCN***~~29~~DR*R11111111
CS*OBA4321
N1*~~B2~~CNS**1*321654987
SLN*~~000001*~~C001~~*~~**I*100*BZ
~~SI*AP*CF*R*SU*U~~
LQ*CFI*R
LQ*SUI*U
N1*US**1*123456789
SLN*~~000002*~~C002~~*~~**I*50*BZ
~~SI*AP*CF*D*SU*U~~
LQ*CFI*D
LQ*SUI*U
N1*DW**1*~~123456780~~987654320
~~CTT*1~~
SE*~~16~~17*012345678

TRANSACTION SET TABLES

~~Reduction Reason~~LQ Segments (Detail~~/Sub-detail~~)

Element Name (LQ02)	Usage	LQ01	LQ02~~Reduction Reason (PID04)~~	LQ02 Description
Reduction Reason (see n1)	SO	RED	AFF	Processing Affidavit Non-Compliance
			CAP	Confirming Party's Capacity Constraint
			CBL	Contract Balancing
			CPR	Confirming Party Reduction
			FMJ	Force Majeure
			GQS	Gas Quality Specifications Not Met
			PLC	Pipeline Curtailment
			PLM	Pipeline Maintenance
			QER	Quantity Exceeds MDQ of Associated Contract
			001	Invalid Beginning/Ending Date/Time
			002	Invalid Location
			003	Invalid Contractual Flow Indicator
			004	Invalid Service Requester
			005	Invalid Upstream Identifier Code
			006	Invalid Downstream Identifier Code
			007	Invalid Upstream Contract Identifier
			008	Invalid Downstream Contract Identifier
			009	Invalid Service Requester Contract
			010	Invalid Confirmation Service Identifier Code
			011	Invalid Associated Contract
			012	No Corresponding Nomination
			013	No Corresponding Nomination at Receipt Location
			014	No Corresponding Nomination at Delivery Location
			900	Downstream Contract Identifier Not Processed
			901	Upstream Contract Identifier Not Processed
			902	Confirmation Service Contract Not Processed

Notes:

n1 This data element communicates the Reduction Reason codes pertaining to the Location level. When the Reduction Reason code is present at both the detail and sub-detail levels, the sub-detail code overrides the detail code.

N1 Segments (Detail)

Element Name (N104)	Usage	N101	N103	N103 Description
Location/Location Proprietary Code	M	MQ	29 ZY	GISB/PI Data Reference Number (see n1) Transportation Service Provider's proprietary code (see n1)
Confirmation Service Identifier Code	C	B2	1	D-U-N-S Number, Dun & Bradstreet

Notes:

n1 When a Transportation Service Provider's proprietary code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.

SI 1000/234 Pairs (Sub-detail)

Element Name	Usage	Elem 1000	Elem 234	Elem 234 Description
Contractual Flow Indicator	M	CF	R D	Receipt Delivery
Solicited/Unsolicited Indicator	M	SU	S U	Solicited Unsolicited
Service Requester Contract	MA	CR		Service Requester Contract ID
Downstream Contract Identifier	BC1	DK		Downstream Contract ID
Upstream Contract Identifier	BC2	UK		Upstream Contract ID
Package ID	MA	PG		Package ID
Downstream Package ID	MA1	DP		Downstream Package ID
Upstream Package ID	MA2	UP		Upstream Package ID
Associated Contract	C	AK		Associated Contract ID
Delivery Rank (Priority)	MA1	R3		Delivery Rank (Priority)
Receipt Rank (Priority)	MA2	R2		Receipt Rank (Priority)
Confirmation Subsequent Cycle Indicator	MA	MC	Y N	Yes No
Confirmation User Data 1	MA	C1		Confirmation User Data 1
Confirmation User Data 2	MA	C2		Confirmation User Data 2

~~**Usage:**~~

~~MA1 This element may only be used when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D').~~

~~MA2 This element may only be used when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R').~~

~~BC1 This element may only be used when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D').~~

~~BC2 This element may only be used when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R').~~

~~SI 1000/234 Pairs~~LQ Segments (Sub-detail)

Element Name (LQ02)	Usage	~~LQ01 Elem 1000~~	~~LQ02 Elem 234~~	~~Elem 234~~LQ02 Description
Contractual Flow Indicator	M	~~CF~~CFI	R	Receipt
			D	Delivery
Solicited/Unsolicited Indicator	M	~~SU~~SUI	S	Solicited
			U	Unsolicited
Confirmation Subsequent Cycle Indicator	MA	~~MC~~MCI	Y	Yes
			N	No
Reduction Reason (see n1)	SO	RED	AFF	Processing Affidavit Non-Compliance
			CAP	Confirming Party's Capacity Constraint
			CBL	Contract Balancing
			CPR	Confirming Party Reduction
			FMJ	Force Majeure
			GQS	Gas Quality Specifications Not Met
			PLC	Pipeline Curtailment
			PLM	Pipeline Maintenance
			QER	Quantity Exceeds MDQ of Associated Contract
			001	Invalid Beginning/Ending Date/Time
			002	Invalid Location
			003	Invalid Contractual Flow Indicator
			004	Invalid Service Requester
			005	Invalid Upstream Identifier Code
			006	Invalid Downstream Identifier Code
			007	Invalid Upstream Contract Identifier
			008	Invalid Downstream Contract Identifier

Element Name (LQ02)	Usage	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
			009	Invalid Service Requester Contract
			010	Invalid Confirmation Service Identifier Code
			011	Invalid Associated Contract
			012	No Corresponding Nomination
			013	No Corresponding Nomination at Receipt Location
			014	No Corresponding Nomination at Delivery Location
			900	Downstream Contract Identifier Not Processed
			901	Upstream Contract Identifier Not Processed
			902	Confirmation Service Contract Not Processed

Notes:

n1 This data element communicates the Reduction Reason codes pertaining to the Confirmation Tracking Identifier level. When the Reduction Reason code is present at both the detail and sub-detail levels, the sub-detail code overrides the detail code.

~~SI 1000/234 Pairs~~N9 Segments (Sub-detail)

Element Name (N902)	Usage	N901 ~~Elem 1000~~	~~Elem 234~~	~~Elem 234 Description~~
Package ID	MA	~~PG~~PKG		~~Package ID~~
Associated Contract	C	~~AK~~KAS		~~Associated Contract ID~~
Confirmation User Data 1	MA	~~C1~~JD		~~Confirmation User Data 1~~
Confirmation User Data 2	MA	~~C2~~Y8		~~Confirmation User Data 2~~

N1 Segments (Sub-detail)

Element Name (N104)	Usage	N101	N103	N103 Description
Downstream Identifier Code	C	DW	1	D-U-N-S Number, Dun & Bradstreet
Upstream Identifier Code	C	US	1	D-U-N-S Number, Dun & Bradstreet
Service Requester	MA	78	1	D-U-N-S Number, Dun & Bradstreet

~~SI 1000/234 Pairs~~N9 Segments (Sub-detail - N1 loop)

Element Name (N902)	Usage	N901 ~~Elem 1000~~	~~Elem 234~~	~~Elem 234 Description~~
Downstream Contract Identifier	BC1	~~DK~~DT		~~Downstream Contract ID~~
Upstream Contract Identifier	BC2	~~UK~~UP		~~Upstream Contract ID~~
Downstream Package ID	MA1	~~DP~~PGD		~~Downstream Package ID~~
Upstream Package ID	MA2	~~UP~~PKU		~~Upstream Package ID~~
Service Requester Contract	MA3~~MA~~	~~CR~~KSR		~~Service Requester Contract ID~~

Usage:

MA1 This element may only be used ~~when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D').~~ in the downstream N1 loop (N101 = 'DW').

MA2 This element may only be used ~~when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R').~~ in the upstream N1 loop (N101 = 'US').

BC1 This element may only be used ~~when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D').~~ in the downstream N1 loop (N101 = 'DW').

BC2 This element may only be used ~~when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R').~~ in the upstream N1 loop (N101 = 'US').

MA3 This element may only be used in the service requester N1 loop (N101 = '78').

~~SI 1000/234 Pairs~~LQ Segments (Sub-detail - N1 loop)

Element Name (LQ02)	Usage	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	LQ02~~Elem 234~~ Description
Delivery Rank (Priority)	MA1	R3	001 thru 999	Cut Last Cut First~~Delivery Rank (Priority)~~
Receipt Rank (Priority)	MA2	R2	001 thru 999	Cut Last Cut First~~Receipt Rank (Priority)~~

Usage:

MA1 This element may only be used ~~when the Contractual Flow Indicator is Delivery (Elem 1000 = 'CF', Elem 234 = 'D').~~ in the downstream N1 loop (N101 = 'DW').

MA2 This element may only be used ~~when the Contractual Flow Indicator is Receipt (Elem 1000 = 'CF', Elem 234 = 'R').~~ in the upstream N1 loop (N101 = 'US').

DATA ELEMENT CROSS REFERENCE TO ASC X12

P - Pathed Model, N - Non-Pathed Model, T - Pathed Non-Threaded Model (Threaded Segment), U - Pathed Non-Threaded Model (Un-threaded Segment)

Usage Codes: M - Mandatory, C - Conditional, SO - Sender's Option, BC - Business Conditional, MA - Mutually Agreeable, nu - not used

Heading:

Segment	Usage without Nominator's Tracking ID P N T U	Usage with Nominator's Tracking ID P N T U	Segment Name/GISB Data Element Name
ST	M M M M	M M M M	Transaction Set Header
~~BCA~~BGN	M M M M	M M M M	Beginning Segment
DTM	M M M M	M M M M	Statement Date/Time
N1	M M M M	M M M M	Transportation Service Provider
N1	M M M M	M M M M	Service Requester

Detail:

Segment	Usage without Nominator's Tracking ID P N T U	Usage with Nominator's Tracking ID P N T U	Segment Name/GISB Data Element Name
~~POC~~	~~M M M M~~	~~M M M M~~	~~Service Requester Contract~~
	~~M M M M~~	~~M M M M~~	~~Model Type~~
DTM	M M M M	M M M M	Beginning Date
	M M M M	M M M M	Ending Date
	M M M M	M M M M	Beginning Time
	M M M M	M M M M	Ending Time
~~POC~~CS	M M M M	M M M M	Service Requester Contract
	M M M M	M M M M	Model Type
Sub-detail:			
SLN	nu nu nu nu	M M M M	Nominator's Tracking ID
	~~M C M C~~	~~M C M C~~	~~Receipt Point Quantity~~
	~~nu C nu C~~	~~nu C nu C~~	~~Delivery Point Quantity~~
	C C C C	C C C C	Bid Transportation Rate
	MA MA MA MA	MA MA MA MA	Fuel Quantity

Segment	Usage without Nominator's Tracking ID P N T U	Usage with Nominator's Tracking ID P N T U	Segment Name/GISB Data Element Name
SI	M M M M	nu nu nu nu	Transaction Type
	MA MA MA nu	nu nu nu nu	Receipt Rank (Priority)
	MA MA MA nu	nu nu nu nu	Delivery Rank (Priority)
	C C nu C	nu nu nu nu	Upstream Contract Identifier
	C C nu C	nu nu nu nu	Downstream Contract Identifier
	MA MA MA MA	nu nu nu nu	Service Provider's Activity Code
	MA MA MA MA	nu nu nu nu	Capacity Type Indicator
	C C C C	nu nu nu nu	Package ID
	C C nu nu	nu nu nu nu	Upstream Package ID
	C C nu nu	nu nu nu nu	Downstream Package ID
	M M M M	M M M M	Reduction Reason
	C C C C	nu nu nu nu	Deal Type
	C C C C	nu nu nu nu	Associated Contract
	MA MA MA MA	nu nu nu nu	Export Declaration
	MA MA MA MA	nu nu nu nu	Nomination Subsequent Cycle Indicator
	MA MA MA MA	nu nu nu nu	Processing Rights Indicator
	MA MA MA MA	nu nu nu nu	Nomination User Data 1
	MA MA MA MA	nu nu nu nu	Nomination User Data 2
	MA MA MA MA	MA MA MA MA	Receipt Scheduling Status
	MA MA MA MA	MA MA MA MA	Delivery Scheduling Status
LQ	M M M M	nu nu nu nu	Transaction Type
LQ	M M M M	M M M M	Reduction Reason
LQ	MA MA MA MA	nu nu nu nu	Capacity Type Indicator
LQ	MA MA MA MA	nu nu nu nu	Export Declaration
LQ	MA MA MA MA	nu nu nu nu	Nomination Subsequent Cycle Indicator
LQ	MA MA MA MA	nu nu nu nu	Processing Rights Indicator
N9	C C C C	nu nu nu nu	Package ID
N9	C C C C	nu nu nu nu	Deal Type
N9	C C C C	nu nu nu nu	Associated Contract
N9	MA MA MA MA	nu nu nu nu	Service Provider's Activity Code
N9	MA MA MA MA	nu nu nu nu	Nomination User Data 1
N9	MA MA MA MA	nu nu nu nu	Nomination User Data 2
PO3	M nu M nu	M nu M nu	Delivery Point Quantity
PO3	MA MA MA MA	MA MA MA MA	Fuel Quantity
PO3	MA MA MA MA	MA MA MA MA	Distributed Confirmed Receipt Quantity
PO3	MA MA MA MA	MA MA MA MA	Distributed Confirmed Delivery Quantity
N1	M C M C	nu nu nu nu	Delivery Location/ Delivery Location Proprietary Code
	M C M C	nu nu nu nu	Receipt Location/ Receipt Location Proprietary Code
	M C nu C	nu nu nu nu	Downstream Identifier Code
	M C nu C	nu nu nu nu	Upstream Identifier Code
N1	M C nu C	nu nu nu nu	Upstream Identifier Code
LCD	M C M C	nu nu nu nu	Receipt Location/ Receipt Location Proprietary Code
N9	C C nu C	nu nu nu nu	Upstream Contract Identifier
N9	C C nu nu	nu nu nu nu	Upstream Package ID
LQ	MA MA MA nu	nu nu nu nu	Receipt Rank (Priority)
LQ	MA MA MA MA	MA MA MA MA	Receipt Scheduling Status
QTY	M C M C	M C M C	Receipt Point Quantity
QTY	MA MA MA MA	MA MA MA MA	Distributed Confirmed Receipt Quantity

Segment	Usage without Nominator's Tracking ID P N T U	Usage with Nominator's Tracking ID P N T U	Segment Name/GISB Data Element Name
N1	M C nu C	nu nu nu nu	Downstream Identifier Code
LCD	M C M C	nu nu nu nu	Delivery Location/ Delivery Location Proprietary Code
N9	C C nu C	nu nu nu nu	Downstream Contract Identifier
N9	C C nu nu	nu nu nu nu	Downstream Package ID
LQ	MA MA MA nu	nu nu nu nu	Delivery Rank (Priority)
LQ	MA MA MA MA	MA MA MA MA	Delivery Scheduling Status
QTY	M C M C	M C M C	Delivery Point Quantity
QTY	MA MA MA MA	MA MA MA MA	Distributed Confirmed Delivery Quantity

Summary:

Segment	Usage without Nominator's Tracking ID P N T U	Usage with Nominator's Tracking ID P N T U	Segment Name/GISB Data Element Name
~~CTT~~	~~M M M M~~	~~M M M M~~	~~Transaction Totals~~
SE	M M M M	M M M M	Transaction Set Trailer

SAMPLE ASC X12 TRANSACTION

Pathed Model - Without utilization of the Nominator's Tracking ID

ST*~~865~~873*234567890
~~BCA*00**14029***960123~~
BGN*00*1*19960123****Q1
DTM*102~~*~~*****DT*199601311630
N1*SJ**1*357961038
N1*78**1*478935021
~~POC*00001*OC******CR*K1234*MN*P~~
DTM*007~~*~~*****RDT*199602010900-199602020900
CS*K1234***NMT*P
SLN*~~000001~~N/A**I~~*100*BZ~~
~~SI*AP*TT*01*RR*AOK~~
LQ*TT*01
LQ*RED*AOK
~~PO3*ZZ*****95*BZ~~
~~N1*M2**29*R11111111~~
~~N1*MQ**29*D11111111~~
N1*US**1*123456789
LCD*1*M2***DR*R11111111
QTY*87*100*BZ
N1*DW**1*987654321
LCD*1*MQ***DR*D11111111
QTY*QD*95*BZ
SLN*~~000002~~N/A**I~~*25*BZ~~
~~SI*AP*TT*01*RR*AOK~~
LQ*TT*01
LQ*RED*AOK
~~PO3*ZZ*****24*BZ~~
~~N1*M2**29*R11111111~~
~~N1*MQ**29*D22222222~~
N1*US**1*123456780
LCD*1*M2***DR*R11111111
QTY*87*25*BZ
N1*DW**1*987654320
LCD*1*MQ***DR*D22222222
QTY*QD*24*BZ
SLN*~~000003~~N/A**I~~*25*BZ~~
~~SI*AP*TT*01*RR*AOK~~
LQ*TT*01
LQ*RED*AOK
~~PO3*ZZ*****24*BZ~~
~~N1*M2**29*R11111111~~
~~N1*MQ**29*D22222222~~
N1*US**1*123456780
LCD*1*M2***DR*R11111111
QTY*87*25*BZ
N1*DW**1*987654321
LCD*1*MQ***DR*D22222222
QTY*QD*24*BZ
~~CTT*1~~
SE*~~30~~35*234567890

Pathed Model - With utilization of the Nominator's Tracking ID

ST*865873*234567890
BCA*00**14029***960123
BGN*00*1*19960123****Q1
DTM*102*****DT*199601311630
N1*SJ**1*357961038
N1*78**1*478935021
POC*00001*OC******CR*K1234*MN*P
DTM*007*****RDT*199602010900-199602020900
CS*K1234***NMT*P
SLN*000001*N001**I*100*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*US**ZZ*N/A
QTY*87*100*BZ
N1*DW**ZZ*N/A
PO3QTY*ZZQD*****95*BZ
SLN*000002*N002**I*25*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*US**ZZ*N/A
QTY*87*25*BZ
N1*DW**ZZ*N/A
PO3QTY*ZZQD*****24*BZ
SLN*000003*N003**I*25*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*US**ZZ*N/A
QTY*87*25*BZ
N1*DW**ZZ*N/A
PO3QTY*ZZQD*****24*BZ
CTT*1
SE*1826*234567890

Non-Pathed Model - Without utilization of the Nominator's Tracking ID

ST*~~865~~873*234567890
~~BCA*00**14029***960123~~
BGN*00*1*19960123****Q1
DTM*102~~*~~****DT*199601311630
N1*SJ**1*357961038
N1*78**1*478935021
~~POC*00001*OC******CR*K1234*MN*N~~
DTM*007~~*~~*****RDT*199602010900-199602020900
CS*K1234***NMT*N
SLN*~~000001~~N/A**I~~*100*BZ~~
~~SI*AP*TT*01*RR*AOK~~
LQ*TT*01
LQ*RED*AOK
~~N1*M2**29*R11111111~~
N1*US**1*123456789
LCD*1*M2***DR*R11111111
QTY*87*100*BZ
SLN*~~000002~~N/A**I~~*50*BZ~~
~~SI*AP*TT*01*RR*AOK~~
LQ*TT*01
LQ*RED*AOK
~~N1*M2**29*R11111111~~
N1*US**1*123456780
LCD*1*M2***DR*R11111111
QTY*87*50*BZ
SLN*~~000003~~N/A**I~~*119*BZ~~
~~SI*AP*TT*01*RR*AOK~~
LQ*TT*01
LQ*RED*AOK
~~N1*MQ**29*D11111111~~
N1*DW**1*987654321
LCD*1*MQ***DR*D11111111
QTY*QD*119*BZ
SLN*~~000004~~N/A**I~~*24*BZ~~
~~SI*AP*TT*01*RR*AOK~~
LQ*TT*01
LQ*RED*AOK
~~N1*MQ**29*D22222222~~
N1*DW**1*987654320
LCD*1*MQ***DR*D22222222
QTY*QD*24*BZ
~~CTT*1~~
SE*~~25~~32*234567890

Non-Pathed Model - With utilization of the Nominator's Tracking ID

ST*865873*234567890
BCA*00**14029***960123
BGN*00*1*19960123****Q1
DTM*102**DT*199601311630
N1*SJ**1*357961038
N1*78**1*478935021
POC*00001*OC******CR*K1234*MN*N
DTM*007*****RDT*199602010900-199602020900
CS*K1234***NMT*N
SLN*000001*N004**I*100*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*US**ZZ**N/A
QTY*87*100*BZ
SLN*000002*N005**I*50*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*US**ZZ**N/A
QTY*87*50*BZ
SLN*000003*N006**I*119*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*DW**ZZ**N/A
QTY*QD*119*BZ
SLN*000004*N007**I*24*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*DW**ZZ**N/A
QTY*QD*24*BZ
CTT*1
SE*1724*234567890

Pathed Non-Threaded Model - Without utilization of the Nominator's Tracking ID

ST*865873*234567890
BCA*00**14029***960123
BGN*00*1*19960123****Q1
DTM*102*****DT*199601311630
N1*SJ**1*357961038
N1*78**1*478935021
POC*00001*OC******CR*K1234*MN*T
DTM*007*****RDT*199602010900-199602020900
CS*K1234***NMT*T
SLN*000001N/A**I*125*BZ
SI*AP*TT*01*RR*AOK
LQ*TT*01
LQ*RED*AOK
PO3*ZZ*****119*BZ
N1*US**ZZ*N/A
N1LCD*1*M2***29DR*R11111111
QTY*87*125*BZ
N1*DW**ZZ*N/A
N1LCD*1*MQ***29DR*D11111111
QTY*QD*119*BZ
SLN*000002N/A**I*25*BZ
SI*AP*TT*01*RR*AOK
LQ*TT*01
LQ*RED*AOK
PO3*ZZ*****24*BZ
N1*US**ZZ*N/A
N1LCD*1*M2***29DR*R11111111
QTY*87*25*BZ
N1*DW**ZZ*N/A
N1LCD*1*MQ***29DR*D22222222
QTY*QD*24*BZ
POC*00002*OC******CR*K1234*MN*U
DTM*007*****RDT*199602010900-199602020900
CS*K1234***NMT*U
SLN*000003N/A**I*100*BZ
SI*AP*TT*01*RR*AOK
LQ*TT*01
LQ*RED*AOK
N1*M2**29*R11111111
N1*US**1*123456789
LCD*1*M2***DR*R11111111
QTY*87*100*BZ
SLN*000004N/A**I*50*BZ
SI*AP*TT*01*RR*AOK
LQ*TT*01
LQ*RED*AOK
N1*M2**29*R11111111
N1*US**1*123456780
LCD*1*M2***DR*R11111111
QTY*87*50*BZ
SLN*000005N/A**I*119*BZ
SI*AP*TT*01*RR*AOK
LQ*TT*01
LQ*RED*AOK

~~N1*MQ**29*D11111111~~
N1*DW**1*987654321
LCD*1*MQ***DR*D11111111
QTY*QD*119*BZ
SLN*~~000006~~N/A**I~~*24*BZ~~
~~SI*AP*TT*01*RR*AOK~~
LQ*TT*01
LQ*RED*AOK
~~N1*MQ**29*D22222222~~
N1*DW**1*987654320
LCD*1*MQ***DR*D22222222
QTY*QD*24*BZ
~~CTT*2~~
SE*~~37~~52*234567890

Pathed Non-Threaded Model - With utilization of the Nominator's Tracking ID

ST*865873*234567890
BCA*00**14029***960123
BGN*00*1*19960123****Q1
DTM*102*****DT*199601311630
N1*SJ**1*357961038
N1*78**1*478935021
POC*00001*OC******CR*K1234*MN*T
DTM*007*****RDT*199602010900-199602020900
CS*K1234***NMT*T
SLN*000001*N008**I*125*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*US**ZZ*N/A
QTY*87*125*BZ
N1*DW**ZZ*N/A
PO3QTY*ZZQD*****119*BZ
SLN*000002*N009**I*25*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*US**ZZ*N/A
QTY*87*25*BZ
N1*DW**ZZ*N/A
PO3QTY*ZZQD*****24*BZ
POC*00002*OC******CR*K1234*MN*U
DTM*007*****RDT*199602010900-199602020900
CS*K1234*NMT*U
SLN*000003*N010**I*100*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*US**ZZ*N/A
QTY*87*100*BZ
SLN*000004*N011**I*50*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*US**ZZ*N/A
QTY*87*50*BZ
SLN*000005*N012**I*119*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*DW**ZZ*N/A
QTY*QD*119*BZ
SLN*000006*N013**I*24*BZ
SI*AP*RR*AOK
LQ*RED*AOK
N1*DW**ZZ*N/A
QTY*QD*24*BZ
CTT*2
SE*2538*234567890

TRANSACTION SET TABLES

P - Pathed Model, N - Non-Pathed Model, T - Pathed Non-Threaded Model (Threaded Segment), U - Pathed Non-Threaded Model (Un-threaded Segment), nu - not used

SI 1000/234 Pairs (Sub-detail)

see n1

Element Name	Usage when POC11 = 'P'	'N'	'T'	'U'	Elem 1000	Elem 234	Elem 234Description
Transaction Type	M	M	M	M	TT	01	Current Business (default)
						02	Authorized Contract Overrun
						03	Imbalance Payback from Transportation Service Provider
						04	Imbalance Payback to Transportation Service Provider
						05	Plant Thermal Reduction
						06	Storage Injection
						07	Storage Withdrawal
						08	Pooling
						12	Authorized Injection Overrun
						13	Authorized Withdrawal Overrun
						14	Extended Receipt/Delivery Service
						16	No-Notice Balancing
						17	No-Notice Pre-Injection
						18	Suspense Gas Claim
						19	Delivery of Claimed Suspense Gas
						22	No-Notice Service
						24	No-Notice Due Transportation Service Provider Balancing
						25	No-Notice Due Service Requester Balancing
						31	Meter Bounce
						41	Storage Inventory Cycling
						48	Authorized Point Overrun
						52	TSP Deficiency Credit
						53	SR Deficiency Credit
						54	Pool-to-Pool
						55	Backhaul
						56	Flow Day Diversion

Element Name	Usage when POC11 = 'P'	'N'	'T'	'U'	Elem 1000	Elem 234	Elem 234Description
Capacity Type Indicator	MA	MA	MA	MA	CT	PP PS SS SP IT TP TS	Primary to Primary Primary to Secondary Secondary to Secondary Secondary to Primary Interruptible Tertiary to Primary Tertiary to Secondary
Downstream Contract Identifier	C	C	nu	C	DK		Downstream Contract ID
Package ID	C	C	C	C	PG		Service Requester Package ID
Upstream Package ID	C	C	nu	nu	UP		Upstream Package ID
Downstream Package ID	C	C	nu	nu	DP		Downstream Package ID
Receipt Rank (Priority)	MA	MA1	MA	nu	R2	001 thru 999	Cut Last Cut First
Delivery Rank (Priority)	MA	MA2	MA	nu	R3	001 thru 999	Cut Last Cut First
Deal Type	C	C	C	C	DL		Deal Type
Associated Contract	C	C	C	C	AK		Associated Contract ID
Reduction Reason (see n4)	M	M	M	M	RR	AFF AOK BMP CBL CAP CCD CCR CPR CRD CRE CRI	Processing Affidavit Non-Compliance All Necessary Confirmation Communication Occurred. No Additional Reduction Reason Code Required Quantity reduced due to bumping (see n2) Contract Balancing Confirming Party's Capacity Constraint Pipeline Capacity Constraint at Delivery Location Pipeline Capacity Constraint at Receipt Location Confirming Party Reduction Confirmation Not Conducted by Downstream Confirming Party (see n3) Capacity Recalled Credit Issues

Element Name	Usage when POC11 = 'P'	'N'	'T'	'U'	Elem 1000	Elem 234	Elem 234Description
						CRN	Confirmation Response Not Received
						CRR	Confirmation Not Conducted by Upstream Confirming Party (see n3)
						CSP	Confirmation Not Conducted by Transportation Service Provider (see n3)
						ECM	Exceeded Contract MDQ
						EPM	Exceeded Point MDQ
						EPS	Elapsed-Prorated-Scheduled Quantity
						FMJ	Force Majeure
						GQS	Gas Quality Specifications Not Met
						MQD	Minimum Delivery Quantity could not be scheduled
						MQR	Minimum Receipt Quantity could not be scheduled
						NGD	Downstream Service Requester Did Not Have the Market or Submit the Nomination (see n3)
						NGU	Upstream Service Requester Did Not Have the Gas or Submit the Nomination (see n3)
						PBD	Pipeline Balancing at Delivery Location
						PBR	Pipeline Balancing at Receipt Location
						PCC	Pipeline Capacity Constraint
						PCD	Confirming Party's Capacity Constraint at Delivery Location
						PCR	Confirming Party's Capacity Constraint at Receipt Location
						PLC	Pipeline Curtailment
						PLM	Pipeline Maintenance
						PMD	Pipeline Maintenance at Delivery Location
						PMR	Pipeline Maintenance at Receipt Location
						PRD	Confirming Party Reduction at Delivery Location
						PRR	Confirming Party Reduction at Receipt Location

Element Name	Usage when POC11 = 'P'	'N'	'T'	'U'	Elem 1000	Elem 234	Elem 234Description
						QER	Quantity Exceeds MDQ of Associated Contract
						SRP	Storage Ratchet Provision
						012	No Corresponding Nomination
						013	No Corresponding Nomination at Receipt Location
						014	No Corresponding Nomination at Delivery Location
Reduction Reason (see n4)	M	M	M	M	RX	AFF	Processing Affidavit Non-Compliance
						AOK	All Necessary Confirmation Communication Occurred. No Additional Reduction Reason Code Required
						BMP	Quantity reduced due to bumping
						CBL	Contract Balancing
						CAP	Confirming Party's Capacity Constraint
						CCD	Pipeline Capacity Constraint at Delivery Location
						CCR	Pipeline Capacity Constraint at Receipt Location
						CPR	Confirming Party Reduction
						CRD	Confirmation Not Conducted by Downstream Confirming Party
						CRE	Capacity Recalled
						CRI	Credit Issues
						CRN	Confirmation Response Not Received
						CRR	Confirmation Not Conducted by Upstream Confirming Party
						CSP	Confirmation Not Conducted by Transportation Service Provider
						ECM	Exceeded Contract MDQ
						EPM	Exceeded Point MDQ
						EPS	Elapsed-Prorated-Scheduled Quantity
						FMJ	Force Majeure
						GQS	Gas Quality Specifications Not Met
						MQD	Minimum Delivery Quantity could not be scheduled

Element Name	Usage when POC11 = 'P'	'N'	'T'	'U'	Elem 1000	Elem 234	Elem 234Description
						MQR	Minimum Receipt Quantity could not be scheduled
						NGD	Downstream Service Requester Did Not Have the Market or Submit the Nomination
						NGU	Upstream Service Requester Did Not Have the Gas or Submit the Nomination
						PBD	Pipeline Balancing at Delivery Location
						PBR	Pipeline Balancing at Receipt Location
						PCC	Pipeline Capacity Constraint
						PCD	Confirming Party's Capacity Constraint at Delivery Location
						PCR	Confirming Party's Capacity Constraint at Receipt Location
						PLC	Pipeline Curtailment
						PLM	Pipeline Maintenance
						PMD	Pipeline Maintenance at Delivery Location
						PMR	Pipeline Maintenance at Receipt Location
						PRD	Confirming Party Reduction at Delivery Location
						PRR	Confirming Party Reduction at Receipt Location
						QER	Quantity Exceeds MDQ of Associated Contract
						SRP	Storage Ratchet Provision
						012	No Corresponding Nomination
						013	No Corresponding Nomination at Receipt Location
						014	No Corresponding Nomination at Delivery Location
Service Provider Activity Code	MA	MA	MA	MA	SA		Service Provider Activity Code
Upstream Contract Identifier	C	C	nu	C	UK		Upstream Contract ID
Export Declaration	MA	MA	MA	MA	ED	GSTY	GST Export Declaration --Yes
						GSTN	GST Export Declaration -- No
Nomination Subsequent Cycle Indicator	MA	MA	MA	MA	MC	Y	Yes

Element Name	Usage when POC11 = 'P'	'N'	'T'	'U'	Elem 1000	Elem 234	Elem 234Description
						N	No
Processing Rights Indicator	MA	MA	MA	MA	PR	Y N	Yes No
Nomination User Data 1	MA	MA	MA	MA	A1		Nomination User Data 1
Nomination User Data 2	MA	MA	MA	MA	A2		Nomination User Data 2
Receipt Scheduling Status	MA	MA	MA	MA	RS	CAL CON NOM SCH	Capacity Allocated Confirmed Nominated Scheduled
Delivery Scheduling Status	MA	MA	MA	MA	DS	CAL CON NOM SCH	Capacity Allocated Confirmed Nominated Scheduled

Usage:

MA1 This element will only be used when a Receipt Location or Receipt Location Proprietary Code is present (N101 = 'M2').

MA2 This element will only be used when a Delivery Location or Delivery Location Proprietary Code is present (N101 = 'MQ')

Notes:

n1 These data elements, with the exception of Reduction Reason, are not needed when the Nominator's Tracking ID is used. Reduction Reason (Elem 1000 = "RR") is mandatory in all cases.

n2 This Reduction Reason should be sent to provide "Notice to Bumped Parties" pursuant to Standards 1.3.2.ii and 1.3.2.iii.

n3 Per Standard 1.3.22.iv, one of these Reduction Reasons should be sent if there is no response to a Request for Confirmation or an unsolicited Confirmation Response.

n4 If the receiver does not accept multiple Reduction Reasons, only the first occurrence of the Reduction Reason sent (Elem 1000 = "RR") will be utilized. Since sending multiple Reduction Reasons is a mutually agreed practice, any additional occurrences of the Reduction Reason sent (Elem 1000 = "RX") may be discarded. There may be a total of five Reduction Reasons sent (one in Elem 1000 = "RR" and up to four in Elem 1000 = "RX").

SI 1000/234 PairsLQ Segments (Sub-detail)

see n1

	Usage when POC11CS05 =			

Element Name (LQ02)	'P'	'N'	'T'	'U'	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
Transaction Type	M	M	M	M	TT	01	Current Business (default)
						02	Authorized Contract Overrun
						03	Imbalance Payback from Transportation Service Provider
						04	Imbalance Payback to Transportation Service Provider
						05	Plant Thermal Reduction
						06	Storage Injection
						07	Storage Withdrawal
						08	Pooling
						12	Authorized Injection Overrun
						13	Authorized Withdrawal Overrun
						14	Extended Receipt/Delivery Service
						16	No-Notice Balancing
						17	No-Notice Pre-Injection
						18	Suspense Gas Claim
						19	Delivery of Claimed Suspense Gas
						22	No-Notice Service
						24	No-Notice Due Transportation Service Provider Balancing
						25	No-Notice Due Service Requester Balancing
						31	Meter Bounce
						41	Storage Inventory Cycling
						48	Authorized Point Overrun
						52	TSP Deficiency Credit
						53	SR Deficiency Credit
						54	Pool-to-Pool
						55	Backhaul
						56	Flow Day Diversion
Reduction Reason (see n4)	M	M	M	M	RED ~~RR~~	AFF	Processing Affidavit Non-Compliance
						AOK	All Necessary Confirmation Communication Occurred. No Additional Reduction Reason Code Required
						BMP	Quantity reduced due to bumping (see n2)
						CAP	Confirming Party's Capacity Constraint

Element Name (LQ02)	Usage when ~~POC11~~CS05 = 'P'	'N'	'T'	'U'	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
						CBL	Contract Balancing
						CCD	Pipeline Capacity Constraint at Delivery Location
						CCR	Pipeline Capacity Constraint at Receipt Location
						CPR	Confirming Party Reduction
						CRD	Confirmation Not Conducted by Downstream Confirming Party (see n3)
						CRE	Capacity Recalled
						CRI	Credit Issues
						CRN	Confirmation Response Not Received
						CRR	Confirmation Not Conducted by Upstream Confirming Party (see n3)
						CSP	Confirmation Not Conducted by Transportation Service Provider (see n3)
						ECM	Exceeded Contract MDQ
						EPM	Exceeded Point MDQ
						EPS	Elapsed-Prorated-Scheduled Quantity
						FMJ	Force Majeure
						GQS	Gas Quality Specifications Not Met
						MQD	Minimum Delivery Quantity could not be scheduled
						MQR	Minimum Receipt Quantity could not be scheduled
						NGD	Downstream Service Requester Did Not Have the Market or Submit the Nomination (see n3)
						NGU	Upstream Service Requester Did Not Have the Gas or Submit the Nomination (see n3)
						PBD	Pipeline Balancing at Delivery Location
						PBR	Pipeline Balancing at Receipt Location
						PCC	Pipeline Capacity Constraint
						PCD	Confirming Party's Capacity Constraint at Delivery Location

Element Name (LQ02)	Usage when ~~POC11~~CS05 = 'P'	'N'	'T'	'U'	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
						PCR	Confirming Party's Capacity Constraint at Receipt Location
						PLC	Pipeline Curtailment
						PLM	Pipeline Maintenance
						PMD	Pipeline Maintenance at Delivery Location
						PMR	Pipeline Maintenance at Receipt Location
						PRD	Confirming Party Reduction at Delivery Location
						PRR	Confirming Party Reduction at Receipt Location
						QER	Quantity Exceeds MDQ of Associated Contract
						SRP	Storage Ratchet Provision
						012	No Corresponding Nomination
						013	No Corresponding Nomination at Receipt Location
						014	No Corresponding Nomination at Delivery Location
Reduction Reason (see n4)	MA	MA	MA	MA	REE ~~RX~~	AFF	Processing Affidavit Non-Compliance
						AOK	All Necessary Confirmation Communication Occurred. No Additional Reduction Reason Code Required
						BMP	Quantity reduced due to bumping
						CBL	Contract Balancing
						CAP	Confirming Party's Capacity Constraint
						CCD	Pipeline Capacity Constraint at Delivery Location
						CCR	Pipeline Capacity Constraint at Receipt Location
						CPR	Confirming Party Reduction
						CRD	Confirmation Not Conducted by Downstream Confirming Party
						CRE	Capacity Recalled
						CRI	Credit Issues
						CRN	Confirmation Response Not Received

Element Name (LQ02)	Usage when ~~POC11~~CS05 = 'P'	'N'	'T'	'U'	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
						CRR	Confirmation Not Conducted by Upstream Confirming Party
						CSP	Confirmation Not Conducted by Transportation Service Provider
						ECM	Exceeded Contract MDQ
						EPM	Exceeded Point MDQ
						EPS	Elapsed-Prorated-Scheduled Quantity
						FMJ	Force Majeure
						GQS	Gas Quality Specifications Not Met
						MQD	Minimum Delivery Quantity could not be scheduled
						MQR	Minimum Receipt Quantity could not be scheduled
						NGD	Downstream Service Requester Did Not Have the Market or Submit the Nomination
						NGU	Upstream Service Requester Did Not Have the Gas or Submit the Nomination
						PBD	Pipeline Balancing at Delivery Location
						PBR	Pipeline Balancing at Receipt Location
						PCC	Pipeline Capacity Constraint
						PCD	Confirming Party's Capacity Constraint at Delivery Location
						PCR	Confirming Party's Capacity Constraint at Receipt Location
						PLC	Pipeline Curtailment
						PLM	Pipeline Maintenance
						PMD	Pipeline Maintenance at Delivery Location
						PMR	Pipeline Maintenance at Receipt Location
						PRD	Confirming Party Reduction at Delivery Location
						PRR	Confirming Party Reduction at Receipt Location
						QER	Quantity Exceeds MDQ of Associated Contract

Element Name (LQ02)	Usage when ~~POC11~~CS05 = 'P'	'N'	'T'	'U'	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	~~Elem 234~~LQ02 Description
						SRP	Storage Ratchet Provision
						012	No Corresponding Nomination
						013	No Corresponding Nomination at Receipt Location
						014	No Corresponding Nomination at Delivery Location
Capacity Type Indicator	MA	MA	MA	MA	CT	PP	Primary to Primary
						PS	Primary to Secondary
						SS	Secondary to Secondary
						SP	Secondary to Primary
						IT	Interruptible
						TP	Tertiary to Primary
						TS	Tertiary to Secondary
Export Declaration	MA	MA	MA	MA	~~ED~~XD	GSTY	GST Export Declaration -- Yes
						GSTN	GST Export Declaration -- No
Nomination Subsequent Cycle Indicator	MA	MA	MA	MA	~~MC~~MCI	Y	Yes
						N	No
Processing Rights Indicator	MA	MA	MA	MA	PR	Y	Yes
						N	No

Notes:

n1 These data elements, with the exception of Reduction Reason, are not needed when the Nominator's Tracking ID is used. Reduction Reason (~~Elem 1000~~where LQ01 = "~~RR~~RED") is mandatory in all cases.

n2 This Reduction Reason should be sent to provide "Notice to Bumped Parties" pursuant to Standards 1.3.2.ii and 1.3.2.iii.

n3 Per Standard 1.3.22.iv, one of these Reduction Reasons should be sent if there is no response to a Request for Confirmation or an unsolicited Confirmation Response.

n4 If the receiver does not accept multiple Reduction Reasons, only the first occurrence of the Reduction Reason sent (~~Elem 1000~~where LQ01 = "~~RR~~RED") will be utilized. Since sending multiple Reduction Reasons is a mutually agreed practice, any additional occurrences of the Reduction Reason sent (~~Elem 1000~~where LQ01 = "~~RX~~REE") may be discarded. There may be a total of five Reduction Reasons sent (one ~~in Elem 1000~~where LQ01 = "~~RR~~RED" and up to four ~~in Elem 1000~~where LQ01 = "~~RX~~REE").

~~SI 1000/234 Pairs~~N9 Segments (Sub-detail)

see n1

	Usage when ~~POC11~~CS05 =			

Element Name (N902)	'P'	'N'	'T'	'U'	N901 ~~Elem 1000~~	~~Elem 234~~	~~Elem 234 Description~~
Package ID	C	C	C	C	~~PG~~PKG		~~Service Requester Package ID~~
Deal Type	C	C	C	C	~~DL~~PD		~~Deal Type~~
Associated Contract	C	C	C	C	~~AK~~KAS		~~Associated Contract ID~~
Service Provider's Activity Code	MA	MA	MA	MA	~~SA~~BE		~~Service Provider Activity Code~~
Nomination User Data 1	MA	MA	MA	MA	~~A1~~JD		~~Nomination User Data 1~~
Nomination User Data 2	MA	MA	MA	MA	~~A2~~Y8		~~Nomination User Data 2~~

Notes:

n1 These data elements~~, with the exception of Reduction Reason,~~ are not needed when the Nominator's Tracking ID is used. ~~Reduction Reason is mandatory in all cases.~~

~~n2 This Reduction Reason Code should be sent to provide "Notice to Bumped Parties" pursuant to Standards 1.3.2.ii and 1.3.2.iii.~~

~~n3 Per Standard 1.3.22.iv, one of these reduction Reason Codes should be sent if there is no response to a Request for Confirmation or an unsolicited Confirmation Response.~~

~~SI 1000/234 Pairs~~LQ Segments (Sub-detail - N1 loop)

see n1

Element Name (LQ02)	Usage when ~~POC11~~CS05 = 'P'	'N'	'T'	'U'	LQ01 ~~Elem 1000~~	LQ02 ~~Elem 234~~	LQ02~~Elem 234~~ Description
Receipt Rank (Priority)	MA1 ~~MA~~	MA1	MA1 ~~MA~~	nu	R2	001 thru 999	Cut Last Cut First
Delivery Rank (Priority)	MA2 ~~MA~~	MA2	MA2 ~~MA~~	nu	R3	001 thru 999	Cut Last Cut First
Receipt Scheduling Status	MA1 ~~MA~~	MA1 ~~MA~~	MA1 ~~MA~~	MA1 ~~MA~~	RSS ~~RS~~	CAL CON NOM SCH	Capacity Allocated Confirmed Nominated Scheduled
Delivery Scheduling Status	MA2 ~~MA~~	MA2 ~~MA~~	MA2 ~~MA~~	MA2 ~~MA~~	DSS ~~DS~~	CAL CON NOM SCH	Capacity Allocated Confirmed Nominated Scheduled

Usage:

MA1 This element ~~will~~may only be used ~~when a Receipt Location or Receipt Location Proprietary Code is present (N101 = 'M2').~~ in the upstream N1 loop (N101 = 'US').

MA2 This element ~~will~~may only be used ~~when a Delivery Location or Delivery Location Proprietary Code is present (N101 = 'MQ')~~ in the downstream N1 loop (N101 = 'DW').

Notes:

n1 These data elements, with the exception of ~~Reduction Reason~~Receipt Scheduling Status and Delivery Scheduling Status, are not needed when the Nominator's Tracking ID is used. ~~Reduction Reason is mandatory in all cases.~~The usages of Receipt Scheduling Status and Delivery Scheduling Status are not contingent on the presence of the Nominator's Tracking ID.

~~PO3~~QTY Segments (Sub-detail - N1 loop)

Element Name (~~PO306~~QTY02)	Usage when ~~POC11~~CS05 =				QTY01 ~~PO301~~
	'P'	'N'	'T'	'U'	
~~Fuel~~ Receipt Point Quantity	M1 ~~MA~~	C1 ~~MA~~	M1 ~~MA~~	C1 ~~MA~~	~~FE~~87
Delivery Point Quantity	M2~~M~~	C2~~nu~~	M2~~M~~	C2~~nu~~	~~ZZ~~QD
Distributed Confirmed Receipt Quantity	MA1~~M A~~	MA1~~M A~~	MA1~~M A~~	MA1~~M A~~	~~C2~~G8
Distributed Confirmed Delivery Quantity	MA2~~M A~~	MA2~~M A~~	MA2~~M A~~	MA2~~M A~~	~~C4~~G9

Usage:

M1 This element may only be used in the upstream N1 loop (N101 = 'US').

M2 This element may only be used in the downstream N1 loop (N101 = 'DW').

C1 This element may only be used in the upstream N1 loop (N101 = 'US').

C2 This element may only be used in the downstream N1 loop (N101 = 'DW').

MA1 This element may only be used in the upstream N1 loop (N101 = 'US').

MA2 This element may only be used in the downstream N1 loop (N101 = 'DW').

~~N1 Segments (Sub-detail)~~

~~see n1~~

~~Element Name (N104)~~	~~Usage when POC11 =~~				~~N101~~	~~N103~~	~~N103 Description~~
	~~'P'~~	~~'N'~~	~~'T'~~	~~'U'~~			
~~Downstream Identifier Code~~	~~M~~	~~C~~	~~nu~~	~~C~~	~~DW~~	~~1~~	~~D-U-N-S Number, Dun & Bradstreet~~
~~Receipt Location/Receipt Location Proprietary Code~~	~~M~~	~~C~~	~~M~~	~~C~~	~~M2~~	~~29~~ ~~ZY~~	~~GISB/PI Data Reference Number (see n2)~~ ~~Transportation Service Provider's proprietary code (see n2)~~
~~Delivery Location/Delivery Location Proprietary Code~~	~~M~~	~~C~~	~~M~~	~~C~~	~~MQ~~	~~29~~ ~~ZY~~	~~GISB/PI Data Reference Number (see n2)~~ ~~Transportation Service Provider's proprietary code (see n2)~~
~~Upstream Identifier Code~~	~~M~~	~~C~~	~~nu~~	~~C~~	~~US~~	~~1~~	~~D-U-N-S Number, Dun & Bradstreet~~

~~Notes:~~

~~n1 These data elements are not needed when the Nominator's Tracking ID is used.~~

~~n2 When a Transportation Service Provider's proprietary code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing~~

~~such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.~~

DATA ELEMENT CROSS REFERENCE TO ASC X12

Usage Codes: M - Mandatory, C - Conditional, SO - Sender's Option, BC - Business Conditional, MA - Mutually Agreeable, nu - not used

Heading:

Segment	Usage without Confirmation Tracking Identifier	Usage with Confirmation Tracking Identifier	Segment Name/GISB Data Element Name
ST	M	M	Transaction Set Header
~~BC~~ABGN	M	M	Beginning Segment
DTM	M	M	Statement Date/Time
N1	M	M	Statement Recipient ID
N1	M	M	Preparer ID

Detail:

Segment	Usage without Confirmation Tracking Identifier	Usage with Confirmation Tracking Identifier	Segment Name/GISB Data Element Name
~~POC~~	~~C~~	~~C~~	~~Confirmation Service Contract~~
DTM	M	M	Beginning Date
	M	M	Beginning Time
	M	M	Ending Date
	M	M	Ending Time
~~N1~~LCD	M	M	Location/Location Proprietary Code
~~POC~~CS	C	C	Confirmation Service Contract
N1	C	C	Confirmation Service Identifier Code
Sub-detail:			
SLN	nu	M	Confirmation Tracking Identifier
	M	M	Quantity
~~SI~~	~~M~~	~~M~~	~~Contractual Flow Indicator~~
	~~C~~	~~nu~~	~~Downstream Contract Identifier~~
	~~C~~	~~nu~~	~~Upstream Contract Identifier~~
	~~C~~	~~C~~	~~Service Requester Contract~~
	~~C~~	~~nu~~	~~Upstream Package ID~~
	~~C~~	~~nu~~	~~Downstream Package ID~~
	~~C~~	~~nu~~	~~Package ID~~
	~~SO~~	~~SO~~	~~Reduction Reason~~
	~~MA~~	~~nu~~	~~Confirmation Subsequent Cycle Indicator~~
	~~MA~~	~~nu~~	~~Confirmation User Data 1~~
	~~MA~~	~~nu~~	~~Confirmation User Data 2~~
	~~MA~~	~~MA~~	~~Scheduling Status~~
LQ	M	M	Contractual Flow Indicator
LQ	SO	SO	Reduction Reason
LQ	MA	nu	Confirmation Subsequent Cycle Indicator
LQ	MA	MA	Scheduling Status

Segment	Usage without Confirmation Tracking Identifier	Usage with Confirmation Tracking Identifier	Segment Name/GISB Data Element Name
N9	C	nu	Package ID
N9	MA	nu	Confirmation User Data 1
N9	MA	nu	Confirmation User Data 2
~~N1~~	~~C~~	~~nu~~	~~Downstream Identifier Code~~
	~~C~~	~~nu~~	~~Upstream Identifier Code~~
	~~C~~	~~C~~	~~Service Requester~~
N1	C	nu	Upstream Identifier Code
N9	C	nu	Upstream Contract Identifier
N9	C	nu	Upstream Package ID
N1	C	nu	Downstream Identifier Code
N9	C	nu	Downstream Contract Identifier
N9	C	nu	Downstream Package ID
N1	C	C	Service Requester
N9	C	C	Service Requester Contract

Summary:

Segment	Usage without Confirmation Tracking Identifier	Usage with Confirmation Tracking Identifier	Segment Name/GISB Data Element Name
~~CTT~~	~~M~~	~~M~~	~~Transaction Totals~~
SE	M	M	Transaction Set Trailer

SAMPLE ASC X12 TRANSACTION

Without utilization of the Confirmation Tracking Identifier:

ST*865873*234567890
BCA*00**14029***970401******S2
BGN*00*1*19970401****Q2
DTM*102*****DT*199601311630
N1*40**1*144077008
N1*P141**1*246801357
POC*00001*OC******CR*C-1125
DTM*007*****RDT*199705230900-199707160900
N1LCD*1*MQLCN***29DR*R11111111
CS*C-1125
N1*B2CNS**1*012345678
SLN*000001N/A*1*I*100*BZ
SI*CF*R*CR*K1234*PG*12
LQ*CFI*R
N9*PKG*12
N1*US**1*123456789
N1*78**1*478935021
N9*KSR*K1234
SLN*000002N/A*2*I*50*BZ
SI*CF*R*CR*K1234*PG*47
LQ*CFI*R
N9*PKG*47
N1*US**1*123456780
N1*78**1*478935021
N9*KSR*K1234
POC*00002*OC******CR*C-1125
DTM*007*****RDT*199705230900-199707160900
N1LCD*1*MQLCN***29DR*D11111111
CS*C-1125
N1*B2CNS**1*012345678
SLN*000001N/A*3*I*95*BZ
SI*CF*D*CR*K1234*PG*12
LQ*CFI*D
N9*PKG*12
N1*DW**1*987654321
N1*78**1*478935021
N9*KSR*K1234
POC*00001*OC******CR*C-1125
DTM*007*****RDT*199705230900-199707160900
N1LCD*1*MQLCN***29DR*D22222222
CS*C-1125
N1*B2CNS**1*012345678
SLN*000001N/A*4*I*48*BZ
SI*CF*D*CR*K1234*PG*47
LQ*CFI*D
N9*PKG*47
N1*DW**1*987654320
N1*78**1*478935021
N9*KSR*K1234
CTT*1
SE*3542*234567890

SAMPLE ASC X12 TRANSACTION (cont.)

With utilization of the Confirmation Tracking Identifier:

ST*~~865~~873*234567890
~~BCA*00**14029***970401******S2~~
BGN*00*1*19970401****Q2
DTM*102*****DT*199601311630
N1*40**1*144077008
N1*~~P~~141**1*246801357
~~POC*00001*OC******CR*C-1125~~
DTM*007*****RDT*199705230900-199707160900
~~N1~~LCD*1*~~MQ~~LCN***~~29~~DR*R11111111
CS*C-1125
N1*~~B2~~CNS**1*012345678
SLN*~~000001*~~1**I*100*BZ
~~SI*CF*R*CR*K1234~~
LQ*CFI*R
N1*78**1*478935021
N9*KSR*K1234
SLN*~~000002*~~2**I*50*BZ
~~SI*CF*R*CR*K1234~~
LQ*CFI*R
N1*78**1*478935021
N9*KSR*K1234
~~POC*00002*OC******CR*C-1125~~
DTM*007*****RDT*199705230900-199707160900
~~N1~~LCD*1*~~MQ~~LCN***~~29~~DR*D11111111
CS*C-1125
N1*~~B2~~CNS**1*012345678
SLN*~~000001*~~3**I*95*BZ
~~SI*CF*D*CR*K1234~~
LQ*CFI*D
N1*78**1*478935021
N9*KSR*K1234
~~POC*00001*OC******CR*C-1125~~
DTM*007*****RDT*199705230900-199707160900
~~N1~~LCD*1*~~MQ~~LCN***~~29~~DR*D22222222
CS*C-1125
N1*~~B2~~CNS**1*012345678
SLN*~~000001*~~4**I*48*BZ
~~SI*CF*D*CR*K1234~~
LQ*CFI*D
N1*78**1*478935021
N9*KSR*K1234
~~CTT*1~~
SE*~~31~~34*234567890

TRANSACTION SET TABLES

N1 Segments (Detail)

Element Name (N104)	Usage	N101	N103	N103 Description
Location/Location Proprietary Code	M	MQ	29 ZY	GISB/PI Data Reference Number (see n1) Transportation Service Provider's proprietary code (see n1)
Confirmation Service Identifier Code	C	B2	1	D-U-N-S Number, Dun & Bradstreet

Notes:

n1 When a Transportation Service Provider's proprietary code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.

SI 1000/234 Pairs (Sub-detail)

see n1

Element Name	Usage	Elem 1000	Elem 234	Elem 234 Description
Contractual Flow Indicator	M	CF	R	Receipt
			D	Delivery
Downstream Contract Identifier	C	DK		Downstream Contract ID
Upstream Contract Identifier	C	UK		Upstream Contract ID
Service Requester Contract	C	CR		Service Requester Contract ID
Package ID	C	PG		Package ID
Upstream Package ID	C	UP		Upstream Package ID
Downstream Package ID	C	DP		Downstream Package ID
Confirmation Subsequent Cycle Indicator	MA	MC	Y	Yes
			N	No
Confirmation User Data 1	MA	C1		Confirmation User Data 1
Confirmation User Data 2	MA	C2		Confirmation User Data 2
Reduction Reason	SO	RR	AOK	All Necessary Confirmation Communication Occurred. No Additional Reduction Reason Code Required.
			AFF	Processing Affidavit Non-Compliance
			BMP	Quantity reduced due to bumping
			CAP	Confirming Partys Capacity Constraint
			CBL	Contract Balancing
			CCD	Pipeline Capacity Constraint at Delivery Location
			CCR	Pipeline Capacity Constraint at Receipt Location
			CPR	Confirming Party Reduction
			CRD	Confirmation Not Conducted by Downstream Confirming Party
			CRE	Capacity Recalled
			CRI	Credit Issues
			CRN	Confirmation Response Not Received
			CRR	Confirmation Not Conducted by Upstream Confirming Party
			CSP	Confirmation Not Conducted by Transportation Service Provider

Element Name	Usage	Elem 1000	Elem 234	Elem 234 Description
			ECM	Exceeded Contract MDQ
			EPM	Exceeded Point MDQ
			EPS	Elapsed-Prorated-Scheduled Quantity
			FMJ	Force Majeure
			GQS	Gas Quality Specifications Not Met
			MQS	Confirmation quantity could not be scheduled due to a minimum quantity specified by the service requester
			NGD	Downstream Service Requester Did Not Have the Market or Submit the Nomination
			NGU	Upstream Service Requester Did Not Have the Gas or Submit the Nomination
			PCC	Pipeline Capacity Constraint
			PCD	Confirming Partys Capacity Constraint at Delivery Location
			PCR	Confirming Partys Capacity Constraint at Receipt Location
			PLC	Pipeline Curtailment
			PLM	Pipeline Maintenance
			PMD	Pipeline Maintenance at Delivery Location
			PMR	Pipeline Maintenance at Receipt Location
			PRD	Confirming Party Reduction at Delivery Location
			PRR	Confirming Party Reduction at Receipt Location
			QER	Quantity Exceeds MDQ of Associated Contract
			SRP	Storage Ratchet Provision
			012	No Corresponding Nomination
			013	No Corresponding Nomination at Receipt Location
			014	No Corresponding Nomination at Delivery Location
Scheduling Status	MA	SS	CAL	Capacity Allocated
			CON	Confirmed
			NOM	Nominated
			SCH	Scheduled

Notes:

~~n1 These data elements, with the exception of Contractual Flow Indicator, Service Requester Contract and Reduction Reason, are not needed when the Confirmation Tracking Identifier is used. The usages of Contractual Flow Indicator, Service Requester Contract and Reduction Reason are not contingent on the presence of the Confirmation Tracking Identifier.~~

~~SI 1000/234 Pairs~~LQ Segments (Sub-detail)

see n1

Element Name (LQ02)	Usage	~~Elem 1000~~LQ01	~~Elem 234~~LQ02	~~Elem 234~~ LQ02 Description
Contractual Flow Indicator	M	~~CF~~CFI	R	Receipt
			D	Delivery
Reduction Reason	SO	~~RR~~RED	AOK	All Necessary Confirmation Communication Occurred. No Additional Reduction Reason Code Required.
			AFF	Processing Affidavit Non-Compliance
			BMP	Quantity reduced due to bumping
			CAP	Confirming Party-s Capacity Constraint
			CBL	Contract Balancing
			CCD	Pipeline Capacity Constraint at Delivery Location
			CCR	Pipeline Capacity Constraint at Receipt Location
			CPR	Confirming Party Reduction
			CRD	Confirmation Not Conducted by Downstream Confirming Party
			CRE	Capacity Recalled
			CRI	Credit Issues
			CRN	Confirmation Response Not Received
			CRR	Confirmation Not Conducted by Upstream Confirming Party
			CSP	Confirmation Not Conducted by Transportation Service Provider
			ECM	Exceeded Contract MDQ
			EPM	Exceeded Point MDQ
			EPS	Elapsed-Prorated-Scheduled Quantity
			FMJ	Force Majeure
			GQS	Gas Quality Specifications Not Met

Element Name (LQ02)	Usage	~~Elem 1000~~LQ01	~~Elem 234~~LQ02	~~Elem 234~~ LQ02 Description
			MQS	Confirmation quantity could not be scheduled due to a minimum quantity specified by the service requester
			NGD	Downstream Service Requester Did Not Have the Market or Submit the Nomination
			NGU	Upstream Service Requester Did Not Have the Gas or Submit the Nomination
			PCC	Pipeline Capacity Constraint
			PCD	Confirming Party's Capacity Constraint at Delivery Location
			PCR	Confirming Party's Capacity Constraint at Receipt Location
			PLC	Pipeline Curtailment
			PLM	Pipeline Maintenance
			PMD	Pipeline Maintenance at Delivery Location
			PMR	Pipeline Maintenance at Receipt Location
			PRD	Confirming Party Reduction at Delivery Location
			PRR	Confirming Party Reduction at Receipt Location
			QER	Quantity Exceeds MDQ of Associated Contract
			SRP	Storage Ratchet Provision
			012	No Corresponding Nomination
			013	No Corresponding Nomination at Receipt Location
			014	No Corresponding Nomination at Delivery Location
Confirmation Subsequent Cycle Indicator	MA	~~MC~~MCI	Y	Yes
			N	No
Scheduling Status	MA	~~SS~~LSS	CAL	Capacity Allocated
			CON	Confirmed
			NOM	Nominated
			SCH	Scheduled

Notes:

n1 These data elements, with the exception of Contractual Flow Indicator, ~~Service Requester Contract and~~ Reduction Reason, and Scheduling Status, are not needed when the Confirmation Tracking Identifier is used. The usages of Contractual Flow Indicator, ~~Service Requester Contract and~~ Reduction Reason, and Scheduling Status are not contingent on the presence of the Confirmation Tracking Identifier.

~~SI 1000/234 Pairs~~N9 Segments (Sub-detail)

see n1

Element Name (N902)	Usage	~~Elem 1000~~N901	~~Elem 234~~	~~Elem 234 Description~~
Package ID	C	~~PG~~PKG		~~Package ID~~
Confirmation User Data 1	MA	~~C1~~JD		~~Confirmation User Data 1~~
Confirmation User Data 2	MA	~~C2~~Y8		~~Confirmation User Data 2~~

Notes:

n1 These data elements~~, with the exception of Contractual Flow Indicator, Service Requester Contract and Reduction Reason,~~ are not needed when the Confirmation Tracking Identifier is used. ~~The usages of Contractual Flow Indicator, Service Requester Contract and Reduction Reason are not contingent on the presence of the Confirmation Tracking Identifier.~~

~~N1 Segments (Sub-detail)~~

~~see n1~~

~~Element Name (N104)~~	~~Usage~~	~~N101~~	~~N103~~
~~Downstream Identifier Code~~	~~C~~	~~DW~~	~~1~~
~~Upstream Identifier Code~~	~~C~~	~~US~~	~~1~~
~~Service Requester~~	~~C~~	~~78~~	~~1~~

~~Notes:~~

~~n1 These data elements, with the exception of Service Requester, are not needed when the Confirmation Tracking Identifier is used. The usage of Service Requester is not contingent on the presence of the Confirmation Tracking Identifier.~~

873 Commodity Movement Services

Functional Group ID=CU

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Commodity Movement Services Transaction Set (873) for use within the context of an Electronic Data Interchange (EDI) environment. This standard can be used to convey request and response information for commodity movement services. This transaction is not to be used for product sales or purchases.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BGN	Beginning Segment	M	1		
M	0400	DTM	Date/Time Reference	O	1		
			LOOP ID - N1			>1	
M	0500	N1	Name	M	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - DTM			>1	
M	0100	DTM	Date/Time Reference	M	1		
			LOOP ID - CS			1	
M	0500	CS	Contract Summary	O	1		
			LOOP ID - SLN			>1	
M	0700	SLN	Subline Item Detail	M	1		
M	0800	LQ	Industry Code	M	>1		
	0900	N9	Reference Identification	O	>1		
			LOOP ID - N1			>1	
M	1100	N1	Name	O	1		
M	1200	LCD	Place/Location Description	O	1		
	1300	N9	Reference Identification	O	>1		
	1400	LQ	Industry Code	O	>1		
M	1500	QTY	Quantity	O	>1		
M	1600	SE	Transaction Set Trailer	M	1		

Segment: **ST** **Transaction Set Header**
Position: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code**	**M ID 3/3**
			873 Commodity Movement Services	
M	**ST02**	**329**	**Transaction Set Control Number**	**M AN 4/9**

Segment: **BGN** **Beginning Segment**
Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**BGN01**	**353**	**Transaction Set Purpose Code**	**M ID 2/2**
			00 Original	
M	**BGN02**	**127**	**Reference Identification**	**M AN 1/50**
M	**BGN03**	**373**	**Date**	**M DT 8/8**
M	**BGN07**	**640**	**Transaction Type Code**	**O ID 2/2**
			G1 Nomination	

Segment: **DTM** **Date/Time Reference**
Position: 0400
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**DTM01**	**374**	**Date/Time Qualifier**		**M**	**ID 3/3**
			102	Issue		
M	**DTM05**	**1250**	**Date Time Period Format Qualifier**		**X**	**ID 2/3**
			DT	Date and Time Expressed in Format CCYYMMDDHHMM		
M	**DTM06**	**1251**	**Date Time Period**		**X**	**AN 1/35**
			Time Stamp			

Segment: **N1** **Name**
Position: 0500
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Notes: *For GISB, this segment should occur once for each value in the N101 element.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			78	Service Requester		
			SJ	Service Provider		
M	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet		
M	**N104**	**67**	**Identification Code**		**X**	**AN 2/17**
			Transportation Service Provider, Service Requester			

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

Segment: **DTM** **Date/Time Reference**
Position: 0100
Loop: DTM Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**DTM01**	**374**	**Date/Time Qualifier**		**M ID 3/3**
			007	Effective	
M	**DTM05**	**1250**	**Date Time Period Format Qualifier**		**X ID 2/3**
			DDT	Range of Dates and Time, Expressed in CCYYMMDD-CCYYMMDDHHMM *This code designates the "gas day" on which the transaction is to be initiated through the instance in time when the transaction is to finish. For example, the entire month of April 2001 would be stated as 20010401-200105010900.*	
			DTD	Range of Dates and Time, Expressed in CCYYMMDDHHMM-CCYYMMDD *This code designates the instance in time when the transaction is to be initiated through the "gas day" on which the transaction is to finish. For example, the entire month of April 2001 would be stated as 200104010900-20010430.*	
			RD8	Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD *This code designates the range of "gas days" in which the transaction will occur. For example, the entire month of April 2001 would be stated as 20010401-20010430.*	
			RDT	Range of Date and Time, Expressed in Format CCYYMMDDHHMM-CCYYMMDDHHMM *This code designates the instance in time when the transaction is to be initiated through the instance in time when the transaction is to finish. For example, the entire month of April 2001 would be stated as 200104010900-200105010900.*	
M	**DTM06**	**1251**	**Date Time Period**		**X AN 1/35**
			Beginning Date, Beginning Time, Ending Date, Ending Time		

Segment: CS **Contract Summary**
Position: 0500
Loop: CS Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**CS01**	**367**	**Contract Number** *Service Requester Contract*	**O AN 1/30**
M	**CS04**	**128**	**Reference Identification Qualifier** NMT Nomination Model Type	**X ID 2/3**
M	**CS05**	**127**	**Reference Identification** *Model Type* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.* N Non-Pathed Model P Pathed Model T Pathed Non-Threaded Model (Threaded Segment) *The usage of a Pathed Non-Threaded (Threaded Segment) transaction is only appropriate when sent with the corresponding Pathed Non-Threaded (Un-threaded Segment) transactions (CS05 = 'U').* U Pathed Non-Threaded Model (Un-threaded Segment) *The usage of a Pathed Non-Threaded (Un-threaded Segment) transaction is only appropriate when sent with the corresponding Pathed Non-Threaded (Threaded Segment) transactions (CS05 = 'T').*	**X AN 1/30**

Segment: **SLN** **Subline Item Detail**
Position: 0700
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**SLN01**	**350**	**Assigned Identification** *Nominator's Tracking ID* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**M**	**AN 1/11**
M	**SLN03**	**662**	**Relationship Code** I Included	**M**	**ID 1/1**
	SLN06	**212**	**Unit Price** *Bid Transportation Rate* *For GISB, this element is business conditional.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X**	**R 1/14**

Segment: **LQ** **Industry Code**
Position: 0800
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Quantity Type Indicator, Transaction Type, Capacity Type Indicator, Nomination Subsequent Cycle Indicator, Export Declaration, Bid Up Indicator, Processing Rights Indicator, Maximum Rate Indicator* *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**X AN 1/30**

Segment: **N9** **Reference Identification**
Position: 0900
Loop: SLN Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is sender's option.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier** *Refer to "N9 Segments (Sub-detail)" table for usage and values.*	**M ID 2/3**
M	**N902**	**127**	**Reference Identification** *Package ID, Associated Contract, Service Provider's Activity Code, Deal Type, Nomination User Data 1, Nomination User Data 2* *Refer to "N9 Segments (Sub-detail)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 1/30**

Segment: **N1** **Name**
Position: 1100
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory and should be sent for at least one of the values in the N101 element.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**N101**	**98**	**Entity Identifier Code**		**M ID 2/3**
			DW	Downstream Party	
			US	Upstream Party	
M	**N103**	**66**	**Identification Code Qualifier**		**X ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet	
			ZZ	Mutually Defined	
				For GISB, this code value is used when Model Type is Pathed Non-Threaded (Threaded Segment) (CS05 = 'T').	
M	**N104**	**67**	**Identification Code**		**X AN 2/17**
			Upstream Identifier Code, Downstream Identifier Code		
			For GISB, the Upstream Identifier Code and Downstream Identifier Code are not used when the Model Type is Pathed Non-Threaded (Threaded Segment) (CS05 = 'T'). In this case, send "N/A".		
			The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.		

Segment: **LCD** **Place/Location Description**
Position: 1200
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory and should be sent for at least one of the values in the LCD02 element.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LCD01**	**350**	**Assigned Identification**	**M AN 1/20**
M	**LCD02**	**98**	**Entity Identifier Code**	**O ID 2/3**
			M2 Receipt Location *For GISB, this code value may only be used in the upstream N1 loop (N101 = 'US').* MQ Delivery Location *For GISB, this code value may only be used in the downstream N1 loop (N101 = 'DW').*	
M	**LCD05**	**66**	**Identification Code Qualifier** *When a Transportation Service Provider's proprietary code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.* DR Gas Industry Standards Board (GISB) Data Reference Number (DRN) *For GISB, this code value may only be used when sending the Receipt Location or Delivery Location.* SV Service Provider Number *For GISB, this code value may only be used when sending the Receipt Location Proprietary Code or Delivery Location Proprietary Code.*	**X ID 1/2**
M	**LCD06**	**67**	**Identification Code** *Receipt Location/Receipt Location Proprietary Code, Delivery Location/Delivery Location Proprietary Code* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 2/17**

Segment: **N9** **Reference Identification**
Position: 1300
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is business conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier** *Refer to "N9 Segments (Sub-detail - N1 loop)" table for usage and values.*	**M ID 2/3**
M	**N902**	**127**	**Reference Identification** *Upstream Contract Identifier, Downstream Contract Identifier, Upstream Package ID, Downstream Package ID* *Refer to "N9 Segments (Sub-detail - N1 loop)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 1/30**

Segment: **LQ** **Industry Code**
Position: 1400
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is sender's option.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** *Refer to "LQ Segments (Sub-detail - N1 loop)" table for usage and values.*	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Receipt Rank (Priority), Delivery Rank (Priority), Upstream Rank (Priority), Downstream Rank (Priority)* *Refer to "LQ Segments (Sub-detail - N1 loop)" table for usage and values.*	**X AN 1/30**

Segment: **QTY** **Quantity**
Position: 1500
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: >1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**QTY01**	**673**	**Quantity Qualifier** *Refer to "QTY Segments (Sub-detail - N1 loop)" table for usage and values.*	**M ID 2/2**
M	**QTY02**	**380**	**Quantity** *Quantity, Delivered Quantity, Minimum Receipt Quantity, Minimum Delivery Quantity* *Refer to "QTY Segments (Sub-detail - N1 loop)" table for usage and values.*	**X R 1/15**
M	**QTY03**	**C001**	**Composite Unit of Measure**	**O**
M	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M ID 2/2**
			BZ Million BTU's	
			G8 Gigacalories	
			GV Gigajoules	

Segment: **SE** **Transaction Set Trailer**
Position: 1600
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**SE01**	**96**	**Number of Included Segments**	**M**	**N0 1/10**
M	**SE02**	**329**	**Transaction Set Control Number**	**M**	**AN 4/9**

873 Commodity Movement Services

Functional Group ID=CU

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Commodity Movement Services Transaction Set (873) for use within the context of an Electronic Data Interchange (EDI) environment. This standard can be used to convey request and response information for commodity movement services. This transaction is not to be used for product sales or purchases.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BGN	Beginning Segment	M	1		
			LOOP ID - N1			>1	
M	0500	N1	Name	M	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - DTM			>1	
M	0100	DTM	Date/Time Reference	M	1		
M	0400	LCD	Place/Location Description	O	1		
			LOOP ID - CS			1	
	0500	CS	Contract Summary	O	1		
	0600	N1	Name	O	>1		
			LOOP ID - SLN			>1	
M	0700	SLN	Subline Item Detail	M	1		
M	0800	LQ	Industry Code	M	>1		
	0900	N9	Reference Identification	O	>1		
			LOOP ID - N1			>1	
M	1100	N1	Name	O	1		
	1300	N9	Reference Identification	O	>1		
	1400	LQ	Industry Code	O	>1		
M	1600	SE	Transaction Set Trailer	M	1		

Segment: **ST** **Transaction Set Header**
Position: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code**	**M ID 3/3**
			873 Commodity Movement Services	
M	**ST02**	**329**	**Transaction Set Control Number**	**M AN 4/9**

Segment: **BGN** **Beginning Segment**
Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**BGN01**	**353**	**Transaction Set Purpose Code** 00 Original	**M ID 2/2**
M	**BGN02**	**127**	**Reference Identification** *Transaction Identifier* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**M AN 1/22**
M	**BGN03**	**373**	**Date**	**M DT 8/8**
M	**BGN07**	**640**	**Transaction Type Code** G2 Request for Confirmation	**O ID 2/2**

Segment: **N1** **Name**
Position: 0500
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Notes: *For GISB, this segment should occur once for each value in the N101 element.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			CNP	Confirming Party		
			CNR	Confirmation Requester		
M	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet		
M	**N104**	**67**	**Identification Code**		**X**	**AN 2/17**
			Confirming Party, Confirmation Requester			

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

Segment: **DTM** **Date/Time Reference**
Position: 0100
Loop: DTM Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**DTM01**	**374**	**Date/Time Qualifier**		**M ID 3/3**
			007	Effective	
M	**DTM05**	**1250**	**Date Time Period Format Qualifier**		**X ID 2/3**
			RD8	Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD *This code designates the range of "gas days" in which the transaction will occur. For example, the entire month of April 2001 would be stated as 20010401-20010430.*	
			RDT	Range of Date and Time, Expressed in Format CCYYMMDDHHMM-CCYYMMDDHHMM *This code designates the instance in time when the transaction is to be initiated through the instance in time when the transaction is to finish. For example, the entire month of April 2001 would be stated as 200104010900-200105010900.*	
M	**DTM06**	**1251**	**Date Time Period**		**X AN 1/35**
			Beginning Date, Beginning Time, Ending Date, Ending Time		

Segment: **LCD** **Place/Location Description**
Position: 0400
Loop: DTM Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**LCD01**	**350**	**Assigned Identification**		**M**	**AN 1/20**
M	**LCD02**	**98**	**Entity Identifier Code**		**O**	**ID 2/3**
			LCN	Gas Nomination Location		
M	**LCD05**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			When a Transportation Service Provider's proprietary code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.			
			DR	Gas Industry Standards Board (GISB) Data Reference Number (DRN) *For GISB, this code value may only be used when sending the Location.*		
			SV	Service Provider Number *For GISB, this code value may only be used when sending the Location Proprietary Code.*		
M	**LCD06**	**67**	**Identification Code** *Location/Location Proprietary Code* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*		**X**	**AN 2/17**

Segment: CS **Contract Summary**
Position: 0500
Loop: CS Optional
Level: Detail
Usage: Optional
Max Use: 1
Notes: *For GISB, this segment is business conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**CS01**	**367**	**Contract Number** *Confirmation Service Contract*	**O AN 1/30**

Segment: **N1** **Name**
Position: 0600
Loop: CS Optional
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			CNS Confirmation Service Identifier Code		
M	**N103**	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			1 D-U-N-S Number, Dun & Bradstreet		
M	**N104**	**67**	**Identification Code**	**X**	**AN 2/17**
			Confirmation Service Identifier Code		

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

Segment: **SLN** **Subline Item Detail**
Position: 0700
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**SLN01**	**350**	**Assigned Identification** *Confirmation Tracking Identifier* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*		**M**	**AN 1/11**
M	**SLN03**	**662**	**Relationship Code**		**M**	**ID 1/1**
			I	Included		
M	**SLN04**	**380**	**Quantity** *Quantity*		**X**	**R 1/15**
M	**SLN05**	**C001**	**Composite Unit of Measure**		**X**	
M	**C00101**	**355**	**Unit or Basis for Measurement Code**		**M**	**ID 2/2**
			BZ	Million BTU's		
			G8	Gigacalories		
			GV	Gigajoules		

Segment: **LQ** **Industry Code**
Position: 0800
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Contractual Flow Indicator, Confirmation Subsequent Cycle Indicator* *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**X AN 1/30**

Segment: **N9** **Reference Identification**
Position: 0900
Loop: SLN Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier** *Refer to "N9 Segments (Sub-detail)" table for usage and values.*	**M ID 2/3**
M	**N902**	**127**	**Reference Identification** *Package ID, Associated Contract, Confirmation User Data 1, Confirmation User Data 2* *Refer to "N9 Segments (Sub-detail)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 1/30**

Segment: **N1** **Name**
Position: 1100
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N101**	**98**	**Entity Identifier Code** *Refer to "N1 Segments (Sub-detail)" table for usage and values.*	**M ID 2/3**
M	**N103**	**66**	**Identification Code Qualifier** *Refer to "N1 Segments (Sub-detail)" table for usage and values.*	**X ID 1/2**
M	**N104**	**67**	**Identification Code** *Service Requester, Upstream Identifier Code, Downstream Identifier Code* *Refer to "N1 Segments (Sub-detail)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 2/17**

Segment: **N9** **Reference Identification**
Position: 1300
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is business conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier** *Refer to "N9 Segments (Sub-detail - N1 loop)" table for usage and values.*	**M ID 2/3**
M	**N902**	**127**	**Reference Identification** *Service Requester Contract, Upstream Contract Identifier, Downstream Contract Identifier, Upstream Package ID, Downstream Package ID* *Refer to "N9 Segments (Sub-detail - N1 loop)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 1/30**

Segment: **LQ** **Industry Code**
Position: 1400
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is mutually agreed.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** *Refer to "LQ Segments (Sub-detail - N1 loop)" table for usage and values.*	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Receipt Rank (Priority), Delivery Rank (Priority)* *Refer to "LQ Segments (Sub-detail - N1 loop)" table for usage and values.*	**X AN 1/30**

Segment: **SE** **Transaction Set Trailer**
Position: 1600
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**SE01**	**96**	**Number of Included Segments**	**M**	**N0 1/10**
M	**SE02**	**329**	**Transaction Set Control Number**	**M**	**AN 4/9**

873 Commodity Movement Services

Functional Group ID=CU

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Commodity Movement Services Transaction Set (873) for use within the context of an Electronic Data Interchange (EDI) environment. This standard can be used to convey request and response information for commodity movement services. This transaction is not to be used for product sales or purchases.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BGN	Beginning Segment	M	1		
			LOOP ID - N1			>1	
M	0500	N1	Name	M	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - DTM			>1	
M	0100	DTM	Date/Time Reference	M	1		
	0300	LQ	Industry Code	O	>1		
M	0400	LCD	Place/Location Description	O	1		
			LOOP ID - CS			1	
	0500	CS	Contract Summary	O	1		
	0600	N1	Name	O	>1		
			LOOP ID - SLN			>1	
M	0700	SLN	Subline Item Detail	M	1		
M	0800	LQ	Industry Code	M	>1		
	0900	N9	Reference Identification	O	>1		
			LOOP ID - N1			>1	
M	1100	N1	Name	O	1		
	1300	N9	Reference Identification	O	>1		
	1400	LQ	Industry Code	O	>1		
M	1600	SE	Transaction Set Trailer	M	1		

Segment: **ST** **Transaction Set Header**
Position: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code**	**M ID 3/3**
			873 Commodity Movement Services	
M	**ST02**	**329**	**Transaction Set Control Number**	**M AN 4/9**

Segment: **BGN** **Beginning Segment**
Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**BGN01**	**353**	**Transaction Set Purpose Code** 00 Original	**M ID 2/2**
M	**BGN02**	**127**	**Reference Identification** *Transaction Identifier* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**M AN 1/22**
M	**BGN03**	**373**	**Date**	**M DT 8/8**
M	**BGN07**	**640**	**Transaction Type Code** G3 Confirmation Response	**O ID 2/2**

Segment: **N1** **Name**
Position: 0500
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Notes: *For GISB, this segment should occur once for each value in the N101 element.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			CNP	Confirming Party		
			CNR	Confirmation Requester		
M	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet		
M	**N104**	**67**	**Identification Code**		**X**	**AN 2/17**
			Confirming Party, Confirmation Requester			

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

Segment: **DTM** **Date/Time Reference**
Position: 0100
Loop: DTM Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**DTM01**	**374**	**Date/Time Qualifier**		**M ID 3/3**
			007	Effective	
M	**DTM05**	**1250**	**Date Time Period Format Qualifier**		**X ID 2/3**
			RD8	Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD *This code designates the range of "gas days" in which the transaction will occur. For example, the entire month of April 2001 would be stated as 20010401-20010430.*	
			RDT	Range of Date and Time, Expressed in Format CCYYMMDDHHMM-CCYYMMDDHHMM *This code designates the instance in time when the transaction is to be initiated through the instance in time when the transaction is to finish. For example, the entire month of April 2001 would be stated as 200104010900-200105010900.*	
M	**DTM06**	**1251**	**Date Time Period**		**X AN 1/35**
			Beginning Date, Beginning Time, Ending Date, Ending Time		

Segment: **LQ** **Industry Code**
Position: 0300
Loop: DTM Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is sender's option.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** RED Reduction Reason Code	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Reduction Reason* *Refer to "LQ Segments (Detail)" table for usage and values.*	**X AN 1/30**

Segment: **LCD** **Place/Location Description**
Position: 0400
Loop: DTM Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**LCD01**	**350**	**Assigned Identification**		**M**	**AN 1/20**
M	**LCD02**	**98**	**Entity Identifier Code**		**O**	**ID 2/3**
			LCN	Gas Nomination Location		
M	**LCD05**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			When a Transportation Service Provider's proprietary code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.			
			DR	Gas Industry Standards Board (GISB) Data Reference Number (DRN) *For GISB, this code value may only be used when sending the Location.*		
			SV	Service Provider Number *For GISB, this code value may only be used when sending the Location Proprietary Code.*		
M	**LCD06**	**67**	**Identification Code** *Location/Location Proprietary Code* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*		**X**	**AN 2/17**

Segment: CS **Contract Summary**
Position: 0500
Loop: CS Optional
Level: Detail
Usage: Optional
Max Use: 1
Notes: *For GISB, this segment is business conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**CS01**	**367**	**Contract Number** *Confirmation Service Contract*	**O AN 1/30**

Segment: **N1** **Name**
Position: 0600
Loop: CS Optional
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			CNS Confirmation Service Identifier Code		
M	**N103**	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			1 D-U-N-S Number, Dun & Bradstreet		
M	**N104**	**67**	**Identification Code**	**X**	**AN 2/17**
			Confirmation Service Identifier Code		

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

Segment: **SLN** **Subline Item Detail**
Position: 0700
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**SLN01**	**350**	**Assigned Identification** *Confirmation Tracking Identifier* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*		**M**	**AN 1/11**
M	**SLN03**	**662**	**Relationship Code**		**M**	**ID 1/1**
			I	Included		
M	**SLN04**	**380**	**Quantity** *Quantity*		**X**	**R 1/15**
M	**SLN05**	**C001**	**Composite Unit of Measure**		**X**	
M	**C00101**	**355**	**Unit or Basis for Measurement Code**		**M**	**ID 2/2**
			BZ	Million BTU's		
			G8	Gigacalories		
			GV	Gigajoules		

Segment: **LQ** **Industry Code**
Position: 0800
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Contractual Flow Indicator, Confirmation Subsequent Cycle Indicator, Reduction Reason, Solicited/Unsolicited Indicator* *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**X AN 1/30**

Segment: **N9** **Reference Identification**
Position: 0900
Loop: SLN Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier** *Refer to "N9 Segments (Sub-detail)" table for usage and values.*	**M ID 2/3**
M	**N902**	**127**	**Reference Identification** *Package ID, Associated Contract, Confirmation User Data 1, Confirmation User Data 2* *Refer to "N9 Segments (Sub-detail)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 1/30**

Segment: **N1** **Name**
Position: 1100
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N101**	**98**	**Entity Identifier Code** *Refer to "N1 Segments (Sub-detail)" table for usage and values.*	**M ID 2/3**
M	**N103**	**66**	**Identification Code Qualifier** *Refer to "N1 Segments (Sub-detail)" table for usage and values.*	**X ID 1/2**
M	**N104**	**67**	**Identification Code** *Service Requester, Upstream Identifier Code, Downstream Identifier Code* *Refer to "N1 Segments (Sub-detail)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 2/17**

Segment: **N9** **Reference Identification**
Position: 1300
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is business conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier** *Refer to "N9 Segments (Sub-detail - N1 loop)" table for usage and values.*	**M ID 2/3**
M	**N902**	**127**	**Reference Identification** *Service Requester Contract, Upstream Contract Identifier, Downstream Contract Identifier, Upstream Package ID, Downstream Package ID* *Refer to "N9 Segments (Sub-detail - N1 loop)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 1/30**

Segment: **LQ** **Industry Code**
Position: 1400
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is mutually agreed.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** *Refer to "LQ Segments (Sub-detail - N1 loop)" table for usage and values.*	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Receipt Rank (Priority), Delivery Rank (Priority)* *Refer to "LQ Segments (Sub-detail - N1 loop)" table for usage and values.*	**X AN 1/30**

Segment: **SE** **Transaction Set Trailer**
Position: 1600
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**SE01**	**96**	**Number of Included Segments**	**M**	**N0 1/10**
M	**SE02**	**329**	**Transaction Set Control Number**	**M**	**AN 4/9**

873 Commodity Movement Services

Functional Group ID=CU

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Commodity Movement Services Transaction Set (873) for use within the context of an Electronic Data Interchange (EDI) environment. This standard can be used to convey request and response information for commodity movement services. This transaction is not to be used for product sales or purchases.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BGN	Beginning Segment	M	1		
M	0400	DTM	Date/Time Reference	O	1		
			LOOP ID - N1			>1	
M	0500	N1	Name	M	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - DTM			>1	
M	0100	DTM	Date/Time Reference	M	1		
			LOOP ID - CS			1	
M	0500	CS	Contract Summary	O	1		
			LOOP ID - SLN			>1	
M	0700	SLN	Subline Item Detail	M	1		
M	0800	LQ	Industry Code	M	>1		
	0900	N9	Reference Identification	O	>1		
			LOOP ID - N1			>1	
M	1100	N1	Name	O	1		
	1200	LCD	Place/Location Description	O	1		
	1300	N9	Reference Identification	O	>1		
	1400	LQ	Industry Code	O	>1		
	1500	QTY	Quantity	O	>1		
M	1600	SE	Transaction Set Trailer	M	1		

Segment: **ST** **Transaction Set Header**
Position: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code**	**M ID 3/3**
			873 Commodity Movement Services	
M	**ST02**	**329**	**Transaction Set Control Number**	**M AN 4/9**

Segment: **BGN** **Beginning Segment**
Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**BGN01**	**353**	**Transaction Set Purpose Code**		**M**	**ID 2/2**
			00	Original		
M	**BGN02**	**127**	**Reference Identification**		**M**	**AN 1/50**
M	**BGN03**	**373**	**Date**		**M**	**DT 8/8**
M	**BGN07**	**640**	**Transaction Type Code**		**O**	**ID 2/2**
			Q1	Scheduled Quantity		

Segment: **DTM** **Date/Time Reference**
Position: 0400
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**DTM01**	**374**	**Date/Time Qualifier**		**M**	**ID 3/3**
			102	Issue		
M	**DTM05**	**1250**	**Date Time Period Format Qualifier**		**X**	**ID 2/3**
			DT	Date and Time Expressed in Format CCYYMMDDHHMM		
M	**DTM06**	**1251**	**Date Time Period**		**X**	**AN 1/35**
			Statement Date/Time			

Segment: **N1** **Name**
Position: 0500
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Notes: *For GISB, this segment should occur once for each value in the N101 element.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			78	Service Requester		
			SJ	Service Provider		
M	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet		
M	**N104**	**67**	**Identification Code**		**X**	**AN 2/17**
			Transportation Service Provider, Service Requester			

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

Segment: **DTM** **Date/Time Reference**
Position: 0100
Loop: DTM Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**DTM01**	**374**	**Date/Time Qualifier**		**M ID 3/3**
			007	Effective	
M	**DTM05**	**1250**	**Date Time Period Format Qualifier**		**X ID 2/3**
			RD8	Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD *This code designates the range of "gas days" in which the transaction will occur. For example, the entire month of April 2001 would be stated as 20010401-20010430.*	
			RDT	Range of Date and Time, Expressed in Format CCYYMMDDHHMM-CCYYMMDDHHMM *This code designates the instance in time when the transaction is to be initiated through the instance in time when the transaction is to finish. For example, the entire month of April 2001 would be stated as 200104010900-200105010900.*	
M	**DTM06**	**1251**	**Date Time Period**		**X AN 1/35**
			Beginning Date, Beginning Time, Ending Date, Ending Time		

Segment: **CS** **Contract Summary**
Position: 0500
Loop: CS Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**CS01**	**367**	**Contract Number** *Service Requester Contract*	**O AN 1/30**
M	**CS04**	**128**	**Reference Identification Qualifier** NMT Nomination Model Type	**X ID 2/3**
M	**CS05**	**127**	**Reference Identification** *Model Type* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.* N Non-Pathed Model P Pathed Model T Pathed Non-Threaded Model (Threaded Segment) *The usage of a Pathed Non-Threaded (Threaded Segment) transaction is only appropriate when sent with the corresponding Pathed Non-Threaded (Un-threaded Segment) transactions (CS05 = 'U').* U Pathed Non-Threaded Model (Un-threaded Segment) *The usage of a Pathed Non-Threaded (Un-threaded Segment) transaction is only appropriate when sent with the corresponding Pathed Non-Threaded (Threaded Segment) transactions (CS05 = 'T').*	**X AN 1/30**

Segment: **SLN** **Subline Item Detail**
Position: 0700
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**SLN01**	**350**	**Assigned Identification** *Nominator's Tracking ID* *For GISB, when Nominator's Tracking ID is not used, send "N/A".* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*		**M**	**AN 1/11**
M	**SLN03**	**662**	**Relationship Code**		**M**	**ID 1/1**
			I	Included		
	SLN04	**380**	**Quantity** *Fuel Quantity* *For GISB, this element is mutually agreed.*		**X**	**R 1/15**
	SLN05	**C001**	**Composite Unit of Measure**		**X**	
M	**C00101**	**355**	**Unit or Basis for Measurement Code**		**M**	**ID 2/2**
			BZ	Million BTU's		
			G8	Gigacalories		
			GV	Gigajoules		
	SLN06	**212**	**Unit Price** *Bid Transportation Rate* *For GISB, this element is conditional.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*		**X**	**R 1/14**

Segment: **LQ** **Industry Code**
Position: 0800
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
Notes: *For GISB, these data elements, with the exception of Reduction Reason, are not needed when the Nominator's Tracking ID is used. Reduction Reason is mandatory in all cases.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Reduction Reason, Transaction Type, Capacity Type Indicator, Nomination Subsequent Cycle Indicator, Export Declaration, Processing Rights Indicator* *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**X AN 1/30**

Segment: **N9** **Reference Identification**
Position: 0900
Loop: SLN Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is conditional. However, these data elements are not needed when the Nominator's Tracking ID is used.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier** *Refer to "N9 Segments (Sub-detail)" table for usage and values.*	**M ID 2/3**
M	**N902**	**127**	**Reference Identification** *Package ID, Associated Contract, Service Provider's Activity Code, Deal Type, Nomination User Data 1, Nomination User Data 2* *Refer to "N9 Segments (Sub-detail)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 1/30**

Segment: **N1** **Name**
Position: 1100
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory and should be sent for at least one of the values in the N101 element.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			DW	Downstream Party		
			US	Upstream Party		
M	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet		
			ZZ	Mutually Defined		
				For GISB, this code value is used when the Nominator's Tracking ID is sent, or when the Model Type is Pathed Non-Threaded (Threaded Segment) (CS05 = 'T').		
M	**N104**	**67**	**Identification Code**		**X**	**AN 2/17**
			Upstream Identifier Code, Downstream Identifier Code			
			For GISB, the Upstream Identifier Code and Downstream Identifier Code are not needed when the Nominator's Tracking ID is used, or when the Model Type is Pathed Non-Threaded (Threaded Segment) (CS05 = 'T'). In these cases, send "N/A".			
			The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.			

Segment: **LCD** **Place/Location Description**
Position: 1200
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 1
Notes: *For GISB, this segment is mandatory and should be sent for at least one of the values in the LCD02 element. However, these data elements are not needed when the Nominator's Tracking ID is used.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LCD01**	**350**	**Assigned Identification**	**M AN 1/20**
M	**LCD02**	**98**	**Entity Identifier Code**	**O ID 2/3**
			M2 Receipt Location *For GISB, this code value may only be used in the upstream N1 loop (N101 = 'US').* MQ Delivery Location *For GISB, this code value may only be used in the downstream N1 loop when (N101 = 'DW').*	
M	**LCD05**	**66**	**Identification Code Qualifier** *When a Transportation Service Provider's proprietary code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.* DR Gas Industry Standards Board (GISB) Data Reference Number (DRN) *For GISB, this code value may only be used when sending the Receipt Location or Delivery Location.* SV Service Provider Number *For GISB, this code value may only be used when sending the Receipt Location Proprietary Code or Delivery Location Proprietary Code.*	**X ID 1/2**
M	**LCD06**	**67**	**Identification Code** *Receipt Location/Receipt Location Proprietary Code, Delivery Location/Delivery Location Proprietary Code* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 2/17**

Segment: **N9** **Reference Identification**
Position: 1300
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is conditional. However, these data elements are not needed when the Nominator's Tracking ID is used.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**N901**	**128**	**Reference Identification Qualifier**		**M ID 2/3**
			DT	Downstream Shipper Contract Number	
				For GISB, this code value may only be used in the downstream N1 loop (N101 = 'DW').	
			PGD	Downstream Package Identifier	
				For GISB, this code value may only be used in the downstream N1 loop (N101 = 'DW').	
			PKU	Upstream Package Identifier	
				For GISB, this code value may only be used in the upstream N1 loop (N101 = 'US').	
			UP	Upstream Shipper Contract Number	
				For GISB, this code value may only be used in the upstream N1 loop (N101 = 'US').	
M	**N902**	**127**	**Reference Identification**		**X AN 1/30**
			Upstream Contract Identifier, Downstream Contract Identifier, Upstream Package ID, Downstream Package ID		
			The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.		

Segment: **LQ** **Industry Code**
Position: 1400
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is mutually agreed. However, these data elements, with the exception of Receipt Scheduling Status and Delivery Scheduling Status, are not needed when the Nominator's Tracking ID is used. The usages of Receipt Scheduling Status and Delivery Scheduling Status are not contingent on the presence of the Nominator's Tracking ID.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** *Refer to "LQ Segments (Sub-detail - N1 loop)" table for usage and values.*	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Receipt Rank (Priority), Delivery Rank (Priority), Receipt Scheduling Status, Delivery Scheduling Status* *Refer to "LQ Segments (Sub-detail - N1 loop)" table for usage and values.*	**X AN 1/30**

Segment: **QTY** **Quantity**
Position: 1500
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**QTY01**	**673**	**Quantity Qualifier**	**M ID 2/2**
			Refer to "QTY Segments (Sub-detail - N1 loop)" table for usage and values.	
M	**QTY02**	**380**	**Quantity**	**X R 1/15**
			Receipt Point Quantity, Delivery Point Quantity, Distributed Confirmed Receipt Quantity, Distributed Confirmed Delivery Quantity *Refer to "QTY Segments (Sub-detail - N1 loop)" table for usage and values.*	
M	**QTY03**	**C001**	**Composite Unit of Measure**	**O**
M	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M ID 2/2**
			BZ Million BTU's	
			G8 Gigacalories	
			GV Gigajoules	

Segment: **SE** **Transaction Set Trailer**
Position: 1600
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**SE01**	**96**	**Number of Included Segments**	**M**	**N0 1/10**
M	**SE02**	**329**	**Transaction Set Control Number**	**M**	**AN 4/9**

873 Commodity Movement Services

Functional Group ID=CU

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Commodity Movement Services Transaction Set (873) for use within the context of an Electronic Data Interchange (EDI) environment. This standard can be used to convey request and response information for commodity movement services. This transaction is not to be used for product sales or purchases.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BGN	Beginning Segment	M	1		
M	0400	DTM	Date/Time Reference	O	1		
			LOOP ID - N1			>1	
M	0500	N1	Name	M	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - DTM			>1	
M	0100	DTM	Date/Time Reference	M	1		
M	0400	LCD	Place/Location Description	O	1		
			LOOP ID - CS			1	
	0500	CS	Contract Summary	O	1		
	0600	N1	Name	O	>1		
			LOOP ID - SLN			>1	
M	0700	SLN	Subline Item Detail	M	1		
M	0800	LQ	Industry Code	M	>1		
	0900	N9	Reference Identification	O	>1		
			LOOP ID - N1			>1	
	1100	N1	Name	O	1		
	1300	N9	Reference Identification	O	>1		
M	1600	SE	Transaction Set Trailer	M	1		

Segment: **ST** **Transaction Set Header**
Position: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code**	**M ID 3/3**
			873 Commodity Movement Services	
M	**ST02**	**329**	**Transaction Set Control Number**	**M AN 4/9**

Segment: **BGN** **Beginning Segment**
Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**BGN01**	**353**	**Transaction Set Purpose Code**	**M ID 2/2**
			00 Original	
M	**BGN02**	**127**	**Reference Identification**	**M AN 1/50**
M	**BGN03**	**373**	**Date**	**M DT 8/8**
M	**BGN07**	**640**	**Transaction Type Code**	**O ID 2/2**
			Q2 Scheduled Quantity for Operator	

Segment: **DTM** **Date/Time Reference**
Position: 0400
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**DTM01**	**374**	**Date/Time Qualifier**		**M**	**ID 3/3**
			102	Issue		
M	**DTM05**	**1250**	**Date Time Period Format Qualifier**		**X**	**ID 2/3**
			DT	Date and Time Expressed in Format CCYYMMDDHHMM		
M	**DTM06**	**1251**	**Date Time Period**		**X**	**AN 1/35**
			Statement Date/Time			

Segment: **N1** **Name**
Position: 0500
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Notes: *For GISB, this segment should occur once for each value in the N101 element.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			40	Receiver		
			41	Submitter		
M	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet		
M	**N104**	**67**	**Identification Code**		**X**	**AN 2/17**
			Statement Recipient ID, Preparer ID			

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

Segment: **DTM** **Date/Time Reference**
Position: 0100
Loop: DTM Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**DTM01**	**374**	**Date/Time Qualifier**		**M ID 3/3**
			007	Effective	
M	**DTM05**	**1250**	**Date Time Period Format Qualifier**		**X ID 2/3**
			RD8	Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD *This code designates the range of "gas days" in which the transaction will occur. For example, the entire month of April 2001 would be stated as 20010401-20010430.*	
			RDT	Range of Date and Time, Expressed in Format CCYYMMDDHHMM-CCYYMMDDHHMM *This code designates the instance in time when the transaction is to be initiated through the instance in time when the transaction is to finish. For example, the entire month of April 2001 would be stated as 200104010900-200105010900.*	
M	**DTM06**	**1251**	**Date Time Period**		**X AN 1/35**
			Beginning Date, Beginning Time, Ending Date, Ending Time		

Segment: **LCD** **Place/Location Description**
Position: 0400
Loop: DTM Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Notes: *For GISB, this segment is mandatory.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**LCD01**	**350**	**Assigned Identification**		**M**	**AN 1/20**
M	**LCD02**	**98**	**Entity Identifier Code**		**O**	**ID 2/3**
			LCN	Gas Nomination Location		
M	**LCD05**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			When a Transportation Service Provider's proprietary code is employed pursuant to this standard, the parties agree that nominations, confirmations, scheduled quantities, and capacity release documents employing such code should be for one gas day at a time, and used only until there is a verified common code for the point associated with the proprietary location code. This would include daily nominations over a weekend. Within two months following the availability of the location the parties should employ the common code and no longer employ the proprietary code for identifying such location in the datasets related to the identified standards.			
			DR	Gas Industry Standards Board (GISB) Data Reference Number (DRN) *For GISB, this code value may only be used when sending the Location.*		
			SV	Service Provider Number *For GISB, this code value may only be used when sending the Location Proprietary Code.*		
M	**LCD06**	**67**	**Identification Code** *Location/Location Proprietary Code* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*		**X**	**AN 2/17**

Segment: **CS** **Contract Summary**
Position: 0500
Loop: CS Optional
Level: Detail
Usage: Optional
Max Use: 1
Notes: *For GISB, this segment is conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**CS01**	**367**	**Contract Number** *Confirmation Service Contract*	**O AN 1/30**

Segment: **N1** **Name**
Position: 0600
Loop: CS Optional
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is conditional.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			CNS Confirmation Service Identifier Code		
M	**N103**	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			1 D-U-N-S Number, Dun & Bradstreet		
M	**N104**	**67**	**Identification Code**	**X**	**AN 2/17**
			Confirmation Service Identifier Code		

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

Segment: **SLN** **Subline Item Detail**
Position: 0700
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**SLN01**	**350**	**Assigned Identification** *Confirmation Tracking Identifier* *For GISB, when Confirmation Tracking Identifier is not used, send "N/A".* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*		**M**	**AN 1/11**
M	**SLN03**	**662**	**Relationship Code**		**M**	**ID 1/1**
			I	Included		
M	**SLN04**	**380**	**Quantity** *Quantity*		**X**	**R 1/15**
M	**SLN05**	**C001**	**Composite Unit of Measure**		**X**	
M	**C00101**	**355**	**Unit or Basis for Measurement Code**		**M**	**ID 2/2**
			BZ	Million BTU's		
			G8	Gigacalories		
			GV	Gigajoules		

Segment: **LQ** **Industry Code**
Position: 0800
Loop: SLN Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
Notes: *These data elements, with the exception of Contractual Flow Indicator, Reduction Reason, and Scheduling Status, are not needed when the Confirmation Tracking Identifier is used. The usages of Contractual Flow Indicator, Reduction Reason, and Scheduling Status are not contingent on the presence of the Confirmation Tracking Identifier.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LQ01**	**1270**	**Code List Qualifier Code** *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**O ID 1/3**
M	**LQ02**	**1271**	**Industry Code** *Contractual Flow Indicator, Confirmation Subsequent Cycle Indicator, Reduction Reason, Scheduling Status* *Refer to "LQ Segments (Sub-detail)" table for usage and values.*	**X AN 1/30**

Segment: **N9** **Reference Identification**
Position: 0900
Loop: SLN Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is conditional. However, these data elements are not needed when the Confirmation Tracking Identifier is used.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier** *Refer to "N9 Segments (Sub-detail)" table for usage and values.*	**M ID 2/3**
M	**N902**	**127**	**Reference Identification** *Package ID, Confirmation User Data 1, Confirmation User Data 2* *Refer to "N9 Segments (Sub-detail)" table for usage and values.* *The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.*	**X AN 1/30**

Segment: **N1** **Name**
Position: 1100
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Notes: *For GISB, this segment is conditional. However, these data elements, with the exception of Service Requester, are not needed when the Confirmation Tracking Identifier is used. The usage of Service Requester is not contingent on the presence of the Confirmation Tracking Identifier.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			78	Service Requester		
			DW	Downstream Party		
			US	Upstream Party		
M	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet		
M	**N104**	**67**	**Identification Code**		**X**	**AN 2/17**
			Service Requester, Upstream Identifier Code, Downstream Identifier Code			

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

Segment: **N9** **Reference Identification**
Position: 1300
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Notes: *For GISB, this segment is conditional. However, these data elements, with the exception of Service Requester Contract, are not needed when the Confirmation Tracking Identifier is used. The usage of Service Requester Contract is not contingent on the presence of the Confirmation Tracking Identifier.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**N901**	**128**	**Reference Identification Qualifier**		**M ID 2/3**
			DT	Downstream Shipper Contract Number	
				For GISB, this code value may only be used in the downstream N1 loop (N101 = 'DW').	
			KSR	Service Requester Contract Identifier	
				For GISB, this code value may only be used in the service requester N1 loop (N101 = '78').	
			PGD	Downstream Package Identifier	
				For GISB, this code value may only be used in the downstream N1 loop (N101 = 'DW').	
			PKU	Upstream Package Identifier	
				For GISB, this code value may only be used in the upstream N1 loop (N101 = 'US').	
			UP	Upstream Shipper Contract Number	
				For GISB, this code value may only be used in the upstream N1 loop (N101 = 'US').	
M	**N902**	**127**	**Reference Identification**		**X AN 1/30**
			Service Requester Contract, Upstream Contract Identifier, Downstream Contract Identifier, Upstream Package ID, Downstream Package ID		
			The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.		

Segment: **SE** **Transaction Set Trailer**
Position: 1600
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**SE01**	**96**	**Number of Included Segments**	**M**	**N0 1/10**
M	**SE02**	**329**	**Transaction Set Control Number**	**M**	**AN 4/9**

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Tennessee Gas Pipeline **Request No.: R98031**
ANR Pipeline **R98035B**

1. Recommended Action:

___Accept as requested
___Accept as modified below
_X_ Decline

Effect of EC Vote to Accept Recommended Action:

___Change to Existing Practice
_X_ Status Quo

2. TYPE OF MAINTENANCE

Per Request:

_X_ Initiation
___Modification
___Interpretation
___Withdrawal

___Principle (x.1.z)
___Definition (x.2.z)
___Business Practice Standard (x.3.z)
_X_ Document (x.4.z)
___Data Element (x.4.z)
___Code Value (x.4.z)
___X12 Implementation Guide
___Business Process Documentation

Per Recommendation:

___Initiation
___Modification
___Interpretation
___Withdrawal

___Principle (x.1.z)
___Definition (x.2.z)
___Business Practice Standard (x.3.z)
___Document (x.4.z)
___Data Element (x.4.z)
___Code Value (x.4.z)
___X12 Implementation Guide
___Business Process Documentation

3. RECOMMENDATION

SUMMARY: * EII Task Force (11/2-4/98) –IR6. (R98031)
* EII Task Force (11/20/98) –IR14. (R98035B)
* No changes recommended. This request was declined by BPS on February 24, 2000.

TECHNICAL CHANGE LOG (all instructions to accomplish the recommendation)

Description of Change:
No Technical Changes required

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Tennessee Gas Pipeline **Request No.: R98031**
ANR Pipeline **R98035B**

4. SUPPORTING DOCUMENTATION

a. Description of Request:

R98031: Develop an EDI dataset to allow Confirming Parties to elect to "Confirm by Exception" as provided for in 1.2.11 and 1.3.22. This would be classified as a "new transaction."

R98035B: ANR requests new transaction identifiers in the Request for Confirmation (G850RQCF) and the Confirmation Response (G855RRFC) datasets. This transaction identifier would be used to indicate when the above datasets are being used for pre-limit quantities.

Request for Confirmation (G850RQCF)
BEG02 segment Purchase Order Type Code
Add: Transaction Identifier Pre-Limit Quantities

Confirmation Response (G855RRFC)
BAK01 segment Transaction Set Purpose Code
Add: Transaction Identifier Pre-Limit Quantities

The above Transaction Identifiers would be Mutually Agreed. No additional data elements are required for the above datasets to accommodate pre-limit quantities.

b. Description of Recommendation:

EBB-Internet Implementation Task Force (November 2 - 4, 1998)
R98031: Ms. Langston described the request, and asked that the confirmation by exception function ("CBE") be supported both through EBB/EDM and EDI/EDM. Pipelines may implement this function differently.

The request described the development of an EDI dataset to allow Confirming Parties to elect to "Confirm by Exception" as provided for in GISB Standard No. 1.2.11 and 1.3.22. This would be classified as a "new transaction." The purpose of this data set is to provide the Confirming Parties using EDI the ability to agree to Confirmation by Exception. As stated in 1.2.11, "Confirmation by Exception (CBE) means that the Confirming Parties agree that one party deems that all requests at a location are confirmed by the other party (the CBE party) without response communication from that party. The CBE party can take exception to the request by so informing the other party within a mutually agreed upon time frame." When the Confirming Parties submit the Confirmation by Exception dataset, they are advising the Confirmation Requester of their desire to be confirmed for all quantities requested. Some of the data elements for request from confirming party:

Confirming Party (M)
Begin Date (M)
End Date (MA)
Location (MA)
All locations (MA)
Chart-time (MA)
Cycle 1 Intraday (MA)
Cycle 2 Intraday (MA)
Evening Cycle (MA)

Hourlies (MA)
All Times (MA)
Service Requester (MA)

The above data elements allow the confirming party to specify the date the CBE is to start and they can submit an ending date if desired. If none is submitted, the CBE will remain in effect until they change it. The other data elements allow the Confirming Party to submit a CBE for a specific meter(s) for a specific time (chart-time, intraday, hourly) or combination of times as well as for a specific service requester. Should they want to submit a CBE for all locations and all times, that possibility is also included. The CBE's will be submitted for the next gas day; they cannot be submitted for an intraday for that gas day. Overlapping CBE's are allowed. Choosing CBE does not prevent the Confirming Party from submitting a Confirmation Response. The quick response back to the Confirming Party would be validation error messages: retroactive CBE's not allowed and Invalid location.

Action: 105 The data elements should accommodate confirmation by exception. If a Transportation Service Provider chooses to support confirmation by exception, the GISB standard data sets should accommodate it. The motion carried unanimously.

IR6 The request was transferred to Information Requirements Subcommittee for implementation.

EBB-Internet Implementation Task Force (November 20, 1998)--(IR14)
R98035: ANR requests new transaction identifiers in the Request for Confirmation (G850RQCF) and the Confirmation Response (G855RRFC) datasets. This transaction identifier would be used to indicate when the above datasets are being used for pre-limit quantities.

IR14 Instruct Information Requirements Subcommittee to accommodate the pre-limit quantities in the to be developed Confirmation By Exception dataset.
Vote: Passes unanimously.

Information Requirements Subcommittee (October 12 - 3, 1999)
R98035: IR split the request into 'A' (add pre-limit quantity code value to the Request for Confirmation and Confirmation Response) and 'B' (add pre-limit quantity to the yet to be developed Confirmation by Exception data set per R98031). IR will address 'A' now and put 'B' on hold until we do R98031.

In the confirmation process, the requester receives the Request For Confirmation (RFC) and sends the Confirmation Response (CR) back. The pre-limit quantity is sent to the requester in the RFC and they use it in the confirmation process. The pre-limit quantity can be set for as long as a year. The requester uses the pre-limit quantity where they do passive confirmations (i.e., confirmation by exception). Per the requester, when the RFC is used to transmit pre-limit quantities, all of the required fields in the RFC are populated. The quantity field is used for the pre-limit quantity. The requester wants an indicator in the header to show that the entire document is not being used for confirmation purposes; it is being used for setting pre-limit quantities. IR is also questioning whether this is appropriate for EDI because the information may only be transmitted once a year. The requester currently provides the ability to submit on-line.

MOTION:

Send the following issues to BPS:

1. How does the pre-limit quantity differ from a confirmation quantity that is sent for a date range, where the date range is longer than a confirmation cycle? (See Interpretation 7.3.26)
2. In light of its infrequent use, should the pre-limit quantity be included in an EDI transaction set?
3. If the pre-limit quantity is included in an EDI transaction set, should we add a GISB data element in the Request For Confirmation for the ANSI data element 'purchase order type code' (BEG02)? If so, the code value descriptions could be 'Request for Confirmation' and 'Pre-limit Quantity'.
4. If the pre-limit quantity is included in an EDI transaction set, should we add a GISB data element in the Confirmation Response for the ANSI data element 'transaction set purpose code' (BAK01)? If so, the code value descriptions could be 'Confirmation Response' and 'Pre-limit Quantity Response'.

Sense of the Room: October 12 - 13, 1999 6 In Favor 0 Opposed

Information Requirements Subcommittee (January 10 - 12, 2000)
Discussion: A draft data dictionary for the Confirmation by Exception Election transaction set was presented by Jim Keisler. This draft data dictionary was reviewed and changes were made.

The question arose as to the usage of the Confirmation by Exception Election transaction set. If IR creates a new transaction set for Confirmation by Exception Election, then if pipelines perform confirmations by exception, are they required to utilize this new transaction set?

Potential Questions to Business Practices Subcommittee:
1) Is the business practice of turning the confirmation by exception on/off election via an EBB used widely and frequently enough to justify an EDI implementation?
2) If an EDI implementation is necessary, then is the sending of the confirmation by exception on/off election a mutually agreed business practice?

Questions to Business Practices Subcommittee regarding R98031:
Standard # 105 states: "The data elements should accommodate confirmation by exception. If a Transportation Service Provider chooses to support confirmation by exception, the GISB standard data sets should accommodate it."

In regards to **Standard #105**, an analysis by Information Requirements of the current Confirmation transaction sets indicates that those transaction sets do accommodate the business practice of confirmation by exception. However, IR has the following question:

Is the business practice of sending the election to initiate or terminate confirmation by exception suitable for EDI?

Motion: Send this question to the Business Practices Subcommittee.

Sense of the Room: 9 In favor 1 Opposed

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Tennessee Gas Pipeline **Request No.: R98031**
ANR Pipeline **R98035B**

Questions to Business Practices Subcommittee regarding R98035B:
The Business Practices Subcommittee (BPS) at their November 18, 1999 meeting declined **R98035A**. BPS decided that the business practice of sending pre-limit quantities should not be standardized. IR noted in its November 2, 1999 memo that pre-limit quantities are sent infrequently. EII, however, indicated that a pre-limit quantity should be accommodated in the to be developed Confirmation by Exception Election data set.

Since BPS indicated in its response to **R98035A** that pre-limit quantities should not be standardized, should IR address pre-limit quantities pursuant to **R98035B**?

Note: Pursuant to instructions from EII, IR is processing **R98035B** in conjunction with **R98031**.

Motion: Send this question to the Business Practices Subcommittee.

Sense of the Room: 6 In favor 0 Opposed

Business Practices Subcommittee (February 17, 2000)
The IR questions were presented. Mr. Keisler further explained the issues and responded to questions from the group. Mr. Lander asked if anyone remembered the discussion and/or additional details regarding the discussion of this request at the EBB Internet Implementation Task Force (EIITF). Mr. Keisler noted that he did not remember any detailed discussion, that it was passed to IR with little discussion. Others who had attended the EIITF meetings agreed with this assessment. Mr. Griffith noted that he did not believe that this practice required a dataset, and that it was both infrequent and could be handled between the parties in the trading partner agreement. Mr. Lander voiced his agreement for this approach and while this item was only up for discussion (and not vote), noted that he would propose that BPS decline the request. This would therefore not require development of a standardized EDI dataset. He noted there seemed to be no need to standardize the process of election of confirmation by exception (CBE), therefore there was no need for a standardized dataset. No one on the phone cried out for the need for such a dataset and had no stated objection to the proposals.
Mr. Aschbrenner noted that in EIITF many pipelines submitted requests since they were currently providing services on their EBBs, thus they wanted to make sure they submitted requests for datasets, whether they really believed there was a compelling need for the datasets or not.
Ms. LeCureaux, representing one of the requesters, had no objection to the proposed declining of this request.
Mr. Lander noted that no one objected to the declination of the request but noted that it should not be dispositive of a similar request in the future.
Mr. Keisler asked whether the proposed disposition would also apply to IR's second question, that is, would it also decline R98035B?
Mr. Lander noted that it was his assumption that both would be declined and whatever language adopted by the BPS should be precise in accomplishing this. There was no disagreement voiced.
It will be put on the next agenda for discussion and possible vote.

Business Practices Subcommittee (February 24, 2000)
Motion BPS recommends that request numbers R98031 and R98035B be declined.
Discussion Mr. Scheel asked some questions regarding whether a pre-limit quantity could be accommodated on a mutually agreeable basis. Others believed that Mr. Scheel's point was moot given that

R98035A, which dealt specifically with pre-limit quantities had already been dealt with. These instant requests dealt with its use in Confirmation by Exception dataset and/or standardizing its use in EDI. Discussion ended, a vote was taken.

Action The motion passed unanimously. See voting record for specifics.

Sense of the Room: (February 24, 2000) 11 In Favor 0 Opposed
Segment Check (if applicable):
In Favor: ___End-Users ___LDCs 7 Pipelines 1 Producers 3 Services
Opposed : ___End-Users ___LDCs ___Pipelines ___Producers
Services

Technical Subcommittee
No technical changes required

Sense of the Room: April 20, 2000 3 In Favor 0 Opposed

c. Business Purpose:

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

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Tennessee Gas Pipeline **Request No.: R98085**

1. Recommended Action:

___Accept as requested
_X_ Accept as modified below
___Decline

Effect of EC Vote to Accept Recommended Action:

_X_ Change to Existing Practice
___Status Quo

2. TYPE OF MAINTENANCE

Per Request:

__Initiation
_X_ Modification
___Interpretation
___Withdrawal

___Principle (x.1.z)
___Definition (x.2.z)
___Business Practice Standard (x.3.z)
___Document (x.4.z)
_X_ Data Element (x.4.z)
____Code Value (x.4.z)
____X12 Implementation Guide
____Business Process Documentation

Per Recommendation:

___Initiation
_X_ Modification
___Interpretation
___Withdrawal

___Principle (x.1.z)
___Definition (x.2.z)
_X_ Business Practice Standard (x.3.z)
___Document (x.4.z)
___Data Element (x.4.z)
___Code Value (x.4.z)
___X12 Implementation Guide
___Business Process Documentation

3. RECOMMENDATION

SUMMARY: * EII Task Force (12/2/98) –IR30.
* Delete GISB Standard No. 4.3.77.

STANDARDS LANGUAGE:

GISB Standard No. 4.3.77: ~~Where a Transportation Service Provider populates the Upstream/Downstream Identifier via its EBB/EDM implementation based upon provision of an upstream or downstream contract identifier at pooling and logical points, an EDI nomination should be provided the same capability~~.

TECHNICAL CHANGE LOG (all instructions to accomplish the recommendation)

Description of Change:
No Technical Changes required.

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Tennessee Gas Pipeline **Request No.: R98085**

4. SUPPORTING DOCUMENTATION

a. Description of Request:

Revise the Nomination to accommodate the sending of the Upstream/Downstream Coontract Identifier without sending the Upstream/Downstream Identifier Code at pooling and logical points.

b. Description of Recommendation:

EBB-Internet Implementation Task Force

After discussion on the request from Enron Capital and Trade, a proposed standard and an instruction were crafted:

s76 Where a Transportation Service Provider populates the Upstream/Downstream Identifier via its EBB/EDM implementation based upon provision of an upstream or downstream contract identifier at pooling and logical points, an EDI nomination should be provided the same capability.

IR30 Instruct IR to change the usage codes of the Upstream Identifier Code* and Downstream Identifier Code* from Conditional (C) to Business Conditional (BC). IR should craft a revised Condition based upon s76.

Sense of the Room: December 2, 1998 16 In Favor 3 Opposed
Segment Check (if applicable):
In Favor : ___End-Users 1 LDCs 7 Pipelines 2 Producers 6 Services
Opposed : ____End-Users _____LDCs 3 Pipelines _____Producers
Services

Information Requirements Subcommittee (November 9 - 10, 1999)

Discussion: Per Kim Van Pelt (co-chair of ANSI subcommittee), the new Nomination data set that was approved by ANSI is set up so that a contract number cannot be sent unless a party is present. The new transaction set was submitted to ANSI approximately one year ago and will be published in December 1999. The data is in a looping structure. The upstream/downstream party initiates a loop, with all of the related data under that party (e.g., Package ID, ranks, upstream/downstream contract). The upstream/downstream party is the only information that is mandatory at that level. None of the other data is required, and therefore it is anchored by the party information.

It was noted that the request only applies to pooling and logical points, where the point is located on a single TSP's system. This does not apply at an interconnect between two TSPs.

MOTION:

Send the following issue to BPS:

Was the intention to change the existing Usage and Condition of the Downstream Identifier Code and Upstream Identifier Code if the circumstance in s76 (GISB Standard No. 4.3.77) is not applicable (i.e., the point is not a logical or pooling point). That is, do the existing Usage and Condition no longer apply to physical points?

The current Condition is based upon both Model Type and whether the location is a receipt or a delivery. Therefore, the underlying usage is 'Mandatory'. Was the intent to change this underlying 'Mandatory' usage to 'Business Conditional'?

Sense of the Room: November 9 - 10, 1999 7 In Favor; 0 Opposed

Business Practices Subcommittee (January 20, 2000)
The IR questions were presented. Ms. Van Pelt expressed some dismay with EIITF's instructions, noting that she considered it a minor comparability issue, not in wide usage, and that it had significant implications to the structure and usage of many data elements in the Nomination dataset.
Mr. Griffith added that the change to the conditionality and "reverse comparability" issues these instructions presented were not warranted based on the limited benefits gained by the request.
Mr. Lander added his general agreement with the opinions expressed and asked whether the proposed standard in the instructions, S76, had been adopted and published.
Note: The standard has been ratified and published as 4.3.77.
Mr. Lander noted his belief that 4.3.77 should be deleted as it was difficult if not impossible to implement via EDI. Various scenarios for the usage of the data elements were discussed. A primary issue complicating the usage discussion was the fact that this standard would only apply to those pipelines who support filling in the Upstream/Downstream Identifier based upon the sender filling in the Upstream/Downstream Contract Identifier data element.
Mr. Lander noted that the intent of the standard could potentially be accomplished by addition of an MA data element (supported by those TSPs who do the automatic fill-in on their EBBs) which then indicates that the Upstream/Downstream ID is to be filled-in by the TSP.
There was apparent general agreement that this standard perhaps went a little too far and Mr. Lander proposed (for next time) that consideration be given to deleting standard no. 4.3.77.

Business Practices Subcommittee (February 24, 2000)
This request was discussed at the January 20, 2000 meeting. It has been postponed until this meeting for vote. Reference BPS minutes of January 20, 2000 for additional detail.
Mr. Lander made the following motion which was seconded by Mr. Buccigross:

Motion BPS recommends that Standard No. 4.3.77 be deleted.

Mr. Lander explained his rationale. He believes that implementation of this standard would result in significant changes to the nomination dataset including major changes in the "current looping" structure related to upstream and downstream party and contract information.
He also noted that the requirement for providing upstream and downstream party information in the nomination has been a recognized business practice since the initial adoption of the GISB standards. The request to change this business practice for the limited case does not warrant the required changes to the dataset or the revamping of the business process.
There was additional discussion on any potential changes to the usage of the data elements in the nomination dataset. Mr. Keisler and others explained that removal of this standard (approving the recommendation to remove the standard) would result in the datasets remaining as they are. Implementing 4.3.77 (declining the motion to remove the standard) would result in significant changes to the nominations dataset and related business practices.

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Tennessee Gas Pipeline **Request No.: R98085**

Action The motion passed unanimously. See voting record for specifics.

Sense of the Room: (February 24, 2000) 11 In Favor 0 Opposed
Segment Check (if applicable):
In Favor : ___End-Users ___LDCs 7 Pipelines 1 Producers 3 Services
Opposed : ___End-Users ___LDCs ___Pipelines ___Producers
Services

Information Requirements Subcommittee (March 28 - 29, 2000)
Discussion: On February 24, 2000, the Business Practices Subcommittee recommended that Standard 4.3.77 be deleted. As a result, IR requires no further action.

Technical Subcommittee
No technical changes required.

Sense of the Room: April 20, 2000 3 In Favor 0 Opposed

c. Business Purpose:

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

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Group 8760 **Request No.: R99035**

1. Recommended Action:

___Accept as requested
_X_Accept as modified below
___Decline

Effect of EC Vote to Accept Recommended Action:

_X_Change to Existing Practice
___Status Quo

2. TYPE OF MAINTENANCE

Per Request:	**Per Recommendation:**
___Initiation	___Initiation
_X_Modification	_X_Modification
___Interpretation	___Interpretation
___Withdrawal	___Withdrawal
___Principle (x.1.z)	___Principle (x.1.z)
___Definition (x.2.z)	___Definition (x.2.z)
___Business Practice Standard (x.3.z)	___Business Practice Standard (x.3.z)
___Document (x.4.z)	___Document (x.4.z)
___Data Element (x.4.z)	___Data Element (x.4.z)
___Code Value (x.4.z)	___Code Value (x.4.z)
___X12 Implementation Guide	___X12 Implementation Guide
_X_Business Process Documentation	_X_Business Process Documentation

3. RECOMMENDATION

SUMMARY: * Modify the Electronic Delivery Mechanism Implementation guide to support standards convergence with the Internet Engineering Taskforce "HTTP Transport for Secure EDI" (a.k.a.EDIINT standard AS2)

* Instruct the Contracts Subcommittee to review changes which may be needed in the GISB standard Trading partner Agreement which permit the trading partners to specify their mutual agreement to the use of signed receipts and the specific implementation of such use:

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Group 8760 **Request No.: R99035**

DATA DICTIONARY (for new documents and addition, modification or deletion of data elements)

Document Name and No.:

Business Name (Abbreviation)	**Definition**	**Format**	**Usage**	**Condition**
version	*The GISB EDM version being used by the sender*	*numeric, decimal notation (e.g. 1.4)*	*in Request ; M*	*used in file transmittal and in posting error notifications*
receipt-disposition-to	*The party to receive receipts, the value should be the same as the "from"*	*Common Code Identifier format*	*in Request ; M*	*used in file transmittal and in posting error notifications*
receipt-report-type	*Type of receipt type being requested by sender*	*gisb-acknowledgement-receipt*	*in Request ; M*	*used in file transmittal and in posting error notifications*
receipt-security-selection	*Used to request signed receipts*	*signed-receipt-protocol=required, pgp-signature;signed-receipt-micalg=required, md5*	*In Request, MA*	*used in file transmittal and in posting error notifications*

* Indicates Common Code

BUSINESS PROCESS DOCUMENTATION (for addition, modification or deletion of business process documentation language)

Standards Book:

Language: Recommended changes to the EDM Implementation guide and Instruction to the Contracts Subcommittee (Start on next page)
Fully annoted pages of the EDM Implementation guide can be found on the GISB home page under the March 23, 2000 EDM meeting at www.gisb.org/edm.htm

Annotations from EdmAS2.pdf

Page 1

Annotation 1; Label: Carl P Caldwell; Date: 4/6/2000 1:21:09 PM
Proposed changes to section Executive Summary , subsection Open Standards Page 1, after the Security item

HTTP Transport for Secure EDI (a.k.a. IETF EDIINT AS2).

(after the sentence "The open standard technologies.....)
There are business benefits gained from adherence to "HTTP Transport for Secure EDI" such as :

· Allows potential to more readily, electronically trade with others (e.g., electric utilities, banks, suppliers, retail customers)

· Makes it more likely that packages can be purchased to replace custom written apps currently in place to support GISB EDM

· Strengthens the surety of receipt and error notification

HTTP Transport for Secure EDI (AS2) is an emerging standard, largely based on the original GISB EDM, that is being developed by the Internet Engineering Task Force, the Internet standards body. Adherence with a formal, international Internet standard, such as AS2 ensures that the specification will not change without due process and any changes that do occur will be the result of a broad consensus. Individual companies and entire industries are free to use as much or as little of AS2 as they see fit, providing the maximum flexibility to meet business needs.

Page 3

Annotation 1; Label: Carl P Caldwell; Date: 3/1/2000 7:18:56 PM
Proposed changes to section Business Process and Practices, subsection Overview: Where Internet EDM Fits..... Page 1, at the end of second paragraph

In Version 1.5 of the GISB Standards, the technical specifications of the EDI/EDM method of communication have been modified to comply with a the broader "HTTP Transport for Secure EDI" standard being developed by the Internet Engineering Task force (IETF). These technical changes do not impact the underlying required business practices established by GISB. In addition, the security features of the EDI/EDM and batch FF/EDM communication method now includes mutually agreeable business practices to protect the sender of a document from non-repudiation and to digitally sign Error Notifications.

Page 8

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 7:54:20 PM
Proposed changes to section Business Process and Practices, subsection Receipt of Transactions (Server) . Page 6, before the last sentence on the page insert

If the transacting parties mutually agree to use signed receipts, then the application would additionally attach a digital signature to the response .

Page 34

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 7:55:55 PM
Page 2, Data Dictionary for Internet EDM – include the following:

Business Name: version

Definition: The GISB EDM version being used by the sender
Format: numeric, decimal notation (e.g. 1.4)
Usage: in Request; M
Condition: used in file transmittal and in posting error notifications

Business Name: receipt-disposition-to
Definition: the party to receive receipts, the value should be the same as the “from”
Format: Common Code Identifier format
Usage: in Request; M
Condition: used in file transmittal and in posting error notifications

Business Name: receipt-report-type
Definition: type of receipt type being requested by sender
Format: gisb-acknowledgement-receipt
Usage: in Request; M
Condition: used in file transmittal and in posting error notifications

Business Name: receipt-security-selection
Definition: Used to request signed receipts
Format:signed-receipt-protocol=required,pgp-signature;signed-receipt-micalg=required, md5
Usage: In Request, MA
Condition: Used in file transmittal and in posting error notifications

Page 37

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 7:58:17 PM
Proposed changes to section SENDING TRANSACTIONS, subsection GENERAL FLOW, Page 2, immediately following item 11:

If trading partners agree to implement signed receipts then the sending party must include the “receipt-security-selection” data element in the posted data. The receiving party must digitally sign the gisb-acknowledgement-receipt and encapsulate the gisb-acknowledgement-receipt and digital signature body parts within a MIME envelope with a Content-type of application/pgp-signature.

Page 39

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 7:59:29 PM
Proposed changes to section SENDING TRANSACTIONS, subsection Sample of HTML document with a form to perform a multipart post using an interactive browser:

Page 4, within the text of the example, following the To: <input …> line insert the following:

GISB EDM Version: <input TYPE=”text” NAME=”version” SIZE=5 VALUE=”1.4”>
Deliver Receipt To: <input TYPE=”text” NAME=”report-disposition-to” SIZE=20 VALUE=””>
Receipt Type: <input TYPE=”text” NAME=”receipt-report-type” SIZE=30 VALUE=”gisb-acknowledgement-receipt”>

IF requesting signed receipts also include:

Receipt Type: <input TYPE=”text” NAME=”receipt-security-selection” SIZE=30 VALUE=” signed-receipt-protocol=required, pgp-signature; signed-receipt-micalg=required, md5”>

Page 40

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:00:53 PM
Proposed changes to section SENDING TRANSACTIONS, subsection Server Response

Page 5, replace the first sentence with the following:

“The receiving server will send a gisb-acknowledgement-receipt as an HTTP response to the client before dropping the client’s connection. If the transacting parties agree to use signed receipts, then the receiving server applies a digital signature to the gisb-acknowledgement-receipt and encapsulates the entire package in a MIME envelope of Content-type: application/pgp-signature.”

Page 41

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:02:17 PM
Proposed changes to section SENDING TRANSACTIONS, subsection HTTP Request Data Elements

Page 6, insert the following rows into the Required Data Elements table, between the to and input-format rows:

version
The GISB EDM version being used by the sender, in decimal notation (e.g. 1.4) The sending of the “version” data element is intended to assist in the early identification of EDM configuration errors and will not in itself dictate the version which a receiving party will support.

receipt-disposition-to
Common Code Identifier of the party to receive the acknowledgement receipt

receipt-report-type Type of receipt requested “gisb-acknowledgement-receipt”

Annotation 2; Label: Carl P Caldwell; Date: 2/29/2000 8:44:13 AM
Page 6, insert into the last row of the Mutually Agreed to Data Elements table, the following:

receipt-security-selection
Used to request signed receipts from the party receiving a file upload.

Annotation 3; Label: Carl P Caldwell; Date: 3/7/2000 8:18:28 PM
Page 6 Under section SENDING TRANSACTIONS, sub-section Writing a Batch Brower
replace the line in the example containing
"POST C:\execute HTTP/1.0"
with
"POST /cgi-bin/AS2dispatcher HTTP/1.0"

Page 43

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:22:46 PM
Proposed changes to section SENDING TRANSACTIONS, subsection Writing a Batch Browser , (example includes request for signed receipt)

Page 8, replace the example with the following:

----------87453838942833
Content-Disposition: form-data; name="from"

123456789
----------87453838942833
Content-Disposition: form-data; name="to"

234567890
----------87453838942833
Content-Disposition: form-data; name="version"

1.4
----------87453838942833
Content-Disposition: form-data; name="receipt-disposition-to"

123456789
----------87453838942833
Content-Disposition: form-data; name="receipt-report-type"

gisb-acknowledgement-receipt
----------87453838942833
Content-Disposition: form-data; name="input-format"

x12
----------87453838942833
Content-Disposition: form-data; name="input-data"; filename=”c:\temp\smallnom.bin”
Content-Type: multipart/encrypted; boundary=8760; protocol="application/pgp-encrypted"

--8760
Content-Type: application/pgp-encrypted

Version: 1

--8760
Content-Type: application/octet-stream

-----BEGIN PGP MESSAGE-----
Version: PGP 6.5

hQCMAzRG1pEOIOvdAQP+JMr0m/9+8yOL60Z9Vr6fFV81FCExB/o0xmwiMkiwYsHs
z0e8sb7ErC340MrNA/dw3taGMjmI+CXYRF/PLEdg1NZE1ZCtNeL4YdIHAMLWwODG
lQxhSucz8rMSgQ5mZzcOJwBdWLW70efgsu/9UljuJjYc1uZ6C03eFQv/43fkB+al
ATtgydxX4g8QK664ad+Jo/XUICSmWBL66fqJR1KLeLf4wTaqGy174Aq48Wpwvg1E
h785zC03UAw0qg0ugMt86dPeyd91e2JigqwDYEf/DYEKD0J9BGiGpS/uAupNKj8O
cp2IWClxKOGUbxpVNOnNTqWHS/GntegvDE/7/ewCxDxsnmQS95pOl141QZ1RQbeN
aqx2Dq/ra9g65HNchOCzjul5Vi8HHf6Yhg2WnROe+npByyCue6rihqgNVOJwj0cV
zpb4JE+gMDf3q4ISUb1Fv7/+SSFHDdnhdC5YTpqf1Bc3B07hiLmtTXqNit31EbX9
UVElObzSa9ZhxbC6/eSl7Nuf5ZTDsh9nrk+QQJ6FeC9W4cqXLj7IZySaRO8Vtff+
4ktqeuhYusT4kSpnk027aw4O/5jomUkfb22CAe4=
=Oiuo
-----END PGP MESSAGE-----
--8760--
----------87453838942833--

Annotation 2; Label: Carl P Caldwell; Date: 3/7/2000 10:19:00 PM
Proposed changes to section SENDING TRANSACTIONS, subsection Writing a Batch Browser

Page 8, replace the last bulleted paragraph on the page with the following:

The data field containing the GISB standard file has two extra identifiers: first the name of the file sent from the source computer, filename=”c:\temp\smallnom.bin”, and second a content type identifier on a

separate line. This line should always be constructed to reflect the content-type of the data being transmitted, in accordance with accepted Internet standards. If the data file contains clear text, X12 data, as shown in the above example, the content-type identifier follows the recommendations of RFC 1767, “MIME Encapsulation of EDI Data”, and the “Content-Type:application/EDI-X12” is used. However, for security purposes it is recommended that all data be encrypted and digitally signed prior to transmission over the Internet. There are IETF standards for describing and packaging encrypted data files, most notably, “MIME Security with Pretty Good Privacy (PGP)”, RFC 2015 and “MIME-based Secure EDI”, RFC TBD.

When the sender of a file intends to use encryption and digital signature functions to secure the contents of a data file the file must be prepared in accordance with the above mentioned IETF standards. ASC X12 data must first be prepared in canonical form as specified in RFC 1767. The ASC X12 data file would be concatenated with the MIME Content-type of application/EDI-X12 as the first line of the file.

For example below is a file before encryption:

Content-type: application/EDI-X12
ISA~00~ ~01~AAA6300300~14~1234567890000 ~14~2345678900000
... more data from the X12 file…
IEA~1~000003616

This file is encrypted, signed and packaged, which follows EDIINT AS1 and RFC 2015, which produces a file containing MIME headers and encrypted content as follows.

Below is the file after encryption:

Content-Type: multipart/encrypted; boundary=8760; protocol="application/pgp-encrypted"

--8760
Content-Type: application/pgp-encrypted

Version: 1

--8760
Content-Type: application/octet-stream

-----BEGIN PGP MESSAGE-----
Version: PGP 6.5

hQCMAzRG1pEOIOvdAQP+JMr0m/9+8yOL60Z9Vr6fFV81FCExB/o0xmwiMkiwYsHs
z0e8sb7ErC340MrNA/dw3taGMjmI+CXYRF/PLEdg1NZE1ZCtNeL4YdIHAMLWwODG
lQxhSucz8rMSgQ5mZzcOJwBdWLW70efgsu/9UljuJjYc1uZ6C03eFQv/43fkB+al
ATtgydxX4g8QK664ad+Jo/XUICSmWBL66fqJR1KLeLf4wTaqGy174Aq48Wpwvg1E
h785zC03UAw0qg0ugMt86dPeyd91e2JigqwDYEf/DYEKD0J9BGiGpS/uAupNKj8O
cp2IWClxKOGUbxpVNOnNTqWHS/GntegvDE/7/ewCxDxsnmQS95pOl141QZ1RQbeN
aqx2Dq/ra9g65HNchOCzjul5Vi8HHf6Yhg2WnROe+npByyCue6rihqgNVOJwj0cV
zpb4JE+gMDf3q4ISUb1Fv7/+SSFHDdnhdC5YTpqf1Bc3B07hiLmtTXqNit31EbX9

UVElObzSa9ZhxbC6/eSl7Nuf5ZTDsh9nrk+QQJ6FeC9W4cqXLj7IZySaRO8Vtff+
4ktqeuhYusT4kSpnk027aw4O/5jomUkfb22CAe4=
=Oiuo
-----END PGP MESSAGE-----
--8760--

This file is associated with the “input-data” data element of the multipart-form-data and is sent to the recipient using the HTTP POST method.

The HTTP POST data stream used to send this file would appear as follows:

----------87453838942833
Content-Disposition: form-data; name="from"

123456789
----------87453838942833
Content-Disposition: form-data; name="to"

234567890
----------87453838942833
Content-Disposition: form-data; name="version"

1.4
----------87453838942833
Content-Disposition: form-data; name="receipt-disposition-to"

123456789
----------87453838942833
Content-Disposition: form-data; name="receipt-report-type"

gisb-acknowledgement-receipt
----------87453838942833
Content-Disposition: form-data; name="receipt-security-selection"

signed-receipt-protocol=required, pgp-signature; signed-receipt-micalg=required, md5
----------87453838942833
Content-Disposition: form-data; name="input-format"

X12
----------87453838942833
Content-Disposition: form-data; name="input-data"; filename=”c:\temp\smallnom.bin”
Content-Type: multipart/encrypted; boundary=8760; protocol="application/pgp-encrypted"

--8760
Content-Type: application/pgp-encrypted

Version: 1

--8760

Content-Type: application/octet-stream

-----BEGIN PGP MESSAGE-----
Version: PGP 6.5

hQCMAzRG1pEOIOvdAQP+JMr0m/9+8yOL60Z9Vr6fFV81FCExB/o0xmwiMkiwYsHs
z0e8sb7ErC340MrNA/dw3taGMjmI+CXYRF/PLEdg1NZE1ZCtNeL4YdIHAMLWwODG
lQxhSucz8rMSgQ5mZzcOJwBdWLW70efgsu/9UljuJjYc1uZ6C03eFQv/43fkB+al
ATtgydxX4g8QK664ad+Jo/XUICSmWBL66fqJR1KLeLf4wTaqGy174Aq48Wpwvg1E
h785zC03UAw0qg0ugMt86dPeyd91e2JigqwDYEf/DYEKD0J9BGiGpS/uAupNKj8O
cp2IWClxKOGUbxpVNOnNTqWHS/GntegvDE/7/ewCxDxsnmQS95pOl141QZ1RQbeN
aqx2Dq/ra9g65HNchOCzjul5Vi8HHf6Yhg2WnROe+npByyCue6rihqgNVOJwj0cV
zpb4JE+gMDf3q4ISUb1Fv7/+SSFHDdnhdC5YTpqf1Bc3B07hiLmtTXqNit31EbX9
UVElObzSa9ZhxbC6/eSl7Nuf5ZTDsh9nrk+QQJ6FeC9W4cqXLj7IZySaRO8Vtff+
4ktqeuhYusT4kSpnk027aw4O/5jomUkfb22CAe4=
=Oiuo
-----END PGP MESSAGE-----

--8760--

----------87453838942833--

Page 44

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:33:45 PM
Proposed changes to section SENDING TRANSACTIONS, subsection Writing a Batch Browser

Page 9, replace the example with the following:

POST /cgi-bin/AS2dispatcher HTTP/1.0
Referer: http://www.get.a.life/upl.htm
Connection: Keep-Alive
User-Agent: brow v0.1 XYZ Corp.
Host: localhost
Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, */*
Content-type: multipart/form-data; boundary=----------87453838942833
Content-Length: 5379

----------87453838942833
Content-Disposition: form-data; name="from"

123456789
----------87453838942833
Content-Disposition: form-data; name="to"

234567890
----------87453838942833
Content-Disposition: form-data; name="version"

1.4
----------87453838942833
Content-Disposition: form-data; name="receipt-disposition-to"

123456789

----------87453838942833
Content-Disposition: form-data; name="receipt-report-type"

gisb-acknowledgement-receipt
----------87453838942833
Content-Disposition: form-data; name="input-format"

X12
----------87453838942833
Content-Disposition: form-data; name="input-data"; filename=”c:\temp\smallnom.bin”
Content-Type: multipart/encrypted; boundary=8760; protocol="application/pgp-encrypted"

--8760
Content-Type: application/pgp-encrypted

Version: 1

--8760
Content-Type: application/octet-stream

-----BEGIN PGP MESSAGE-----
Version: PGP 6.5

hQCMAzRG1pEOIOvdAQP+JMr0m/9+8yOL60Z9Vr6fFV81FCExB/o0xmwiMkiwYsHs
z0e8sb7ErC340MrNA/dw3taGMjmI+CXYRF/PLEdg1NZE1ZCtNeL4YdIHAMLWwODG
lQxhSucz8rMSgQ5mZzcOJwBdWLW70efgsu/9UljuJjYc1uZ6C03eFQv/43fkB+al
ATtgydxX4g8QK664ad+Jo/XUICSmWBL66fqJR1KLeLf4wTaqGy174Aq48Wpwvg1E
h785zC03UAw0qg0ugMt86dPeyd91e2JigqwDYEf/DYEKD0J9BGiGpS/uAupNKj8O
cp2IWClxKOGUbxpVNOnNTqWHS/GntegvDE/7/ewCxDxsnmQS95pOl141QZ1RQbeN
aqx2Dq/ra9g65HNchOCzjul5Vi8HHf6Yhg2WnROe+npByyCue6rihqgNVOJwj0cV
zpb4JE+gMDf3q4ISUb1Fv7/+SSFHDdnhdC5YTpqf1Bc3B07hiLmtTXqNit31EbX9
UVElObzSa9ZhxbC6/eSl7Nuf5ZTDsh9nrk+QQJ6FeC9W4cqXLj7IZySaRO8Vtff+
4ktqeuhYusT4kSpnk027aw4O/5jomUkfb22CAe4=
=Oiuo
-----END PGP MESSAGE-----
--8760--
----------87453838942833—

Page 45

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 10:21:21 PM
Proposed changes to section RECEIVING TRANSACTIONS, subsection General Flow

Page 10, replace list items 5 and 6 with the following:

5. Create gisb acknowledgement receipt
5.1 If using signed receipts: 5.1.1 Produce a digital signature over the gisb acknowledgement receipt created in step 5 5.1.2 Encapsulate the gisb acknowledgement receipt and Digital Signature body parts in a content-type of application/multipart/signed envelope
6. Return HTTP response, the gisb acknowledgement receipt object, back to server

Page 46

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:19:47 PM
Page 11, Under section RECEIVING TRANSACTIONS, sub-section Writing the CGI Process replace

the line containing "POST C:\execute HTTP/1.0" with "POST /cgi-bin/AS2dispatcher HTTP/1.0"

Page 47

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:37:10 PM
Proposed changes to section RECEIVING TRANSACTIONS, subsection Writing the CGI Process

Page 12, replace the example with the following:

----------87453838942833
Content-Disposition: form-data; name="from"

123456789
----------87453838942833
Content-Disposition: form-data; name="to"

234567890
----------87453838942833
Content-Disposition: form-data; name="version"

1.4
----------87453838942833
Content-Disposition: form-data; name="receipt-disposition-to"

123456789
----------87453838942833
Content-Disposition: form-data; name="receipt-report-type"

gisb-acknowledgement-receipt
----------87453838942833
Content-Disposition: form-data; name="input-format"

X12
----------87453838942833
Content-Disposition: form-data; name="input-data"; filename="c:\temp\smallnom.bin"
Content-Type: multipart/encrypted; boundary=8760; protocol="application/pgp-encrypted"

--8760
Content-Type: application/pgp-encrypted

Version: 1

--8760
Content-Type: application/octet-stream

-----BEGIN PGP MESSAGE-----
Version: PGP 6.5

hQCMAzRG1pEOIOvdAQP+JMr0m/9+8yOL60Z9Vr6fFV81FCExB/o0xmwiMkiwYsHs
z0e8sb7ErC340MrNA/dw3taGMjmI+CXYRF/PLEdg1NZE1ZCtNeL4YdIHAMLWwODG
lQxhSucz8rMSgQ5mZzcOJwBdWLW70efgsu/9UljuJjYc1uZ6C03eFQv/43fkB+al
ATtgydxX4g8QK664ad+Jo/XUICSmWBL66fqJR1KLeLf4wTaqGy174Aq48Wpwvg1E
h785zC03UAw0qg0ugMt86dPeyd91e2JigqwDYEf/DYEKD0J9BGiGpS/uAupNKj8O
cp2IWClxKOGUbxpVNOnNTqWHS/GntegvDE/7/ewCxDxsnmQS95pOl141QZ1RQbeN

aqx2Dq/ra9g65HNchOCzjul5Vi8HHf6Yhg2WnROe+npByyCue6rihqgNVOJwj0cV
zpb4JE+gMDf3q4ISUb1Fv7/+SSFHDdnhdC5YTpqf1Bc3B07hiLmtTXqNit31EbX9
UVElObzSa9ZhxbC6/eSl7Nuf5ZTDsh9nrk+QQJ6FeC9W4cqXLj7IZySaRO8Vtff+
4ktqeuhYusT4kSpnk027aw4O/5jomUkfb22CAe4=
=Oiuo
-----END PGP MESSAGE-----
--8760--
----------87453838942833—

Page 48

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:42:50 PM
Proposed changes to section RECEIVING TRANSACTIONS, subsection Writing the CGI Process

Page 13, replace the last paragraph on the page with the following:

Immediately after the CGI validates (as above), parses, and saves the data, the CGI should record the time and construct a gisb acknowledgement receipt described in the following section. This gisb acknowledgement receipt is usually sent from the CGI by writing to the standard output (stdout) of the CGI process. If using signed receipts, the receiving party must produce a digital signature of the gisb acknowledgement receipt and send both the gisb acknowledgement receipt and digital signature body parts within a multipart/signed MIME envelope.

Page 49

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:43:35 PM
Proposed changes to section URL/CGI Implementation Guidelines

Page 14, replace the first sentence in the paragraph starting with “Error Notifications” with the following:

Error notifications include errors that occur some time after the gisb acknowledgement receipt is sent (such as a file decryption error) as well as errors on the transactions.

Page 50

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:44:49 PM
Proposed changes to section URL/CGI Implementation Guidelines, subsection Server Specifications

Page 15, replace the sentence starting with “The HTTP response must be enveloped” with the following:

The gisb acknowledgement receipt must be enveloped in a multipart/report, as specified in EDIINT AS2 following the rules for Generalized Receipts. If signed receipts are used, the gisb acknowledgement receipt (including the multipart/report envelope) is digitally signed, producing a application/pgp-encrypted body part. Both the multipart/report (gisb acknowledgement receipt) and the application/pgp-signature body parts are placed in a multipart/signed envelope and the entire package is returned to the sender.

Annotation 2; Label: Carl P Caldwell; Date: 2/29/2000 8:50:53 AM
Proposed changes to section URL/CGI Implementation Guidelines, subsection Server Specifications

Page 15, remove the sentence “The HTTP response must be no more than 2048 characters

Annotation 3; Label: Carl P Caldwell; Date: 3/7/2000 8:45:24 PM
The HTTP response must be no more than 2048 characters.

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 8:46:00 PM
Proposed changes to section URL/CGI Implementation Guidelines, subsection HTTP Response Data Elements

Page 16, replace the example given under “successful, plain text format:” with the following:

Content-Type: multipart/report; report-type="gisb-acknowledgement-receipt"; boundary="GISB7867"

--GISB7867
Content-type: text/html

<HTML><HEAD><TITLE>Acknowledgement Receipt Success</TITLE></HEAD> <BODY><P>
time-c=19960619082855*
request-status=ok*
server-id=coolhost*
trans-id=234423897*
</P> </BODY></HTML>
--GISB7867
Content-type: text/plain

time-c=19960619082855*
request-status=ok*
server-id=coolhost*
trans-id=234423897*
--GISB7867--

Annotation 2; Label: Carl P Caldwell; Date: 3/7/2000 8:46:21 PM
Proposed changes to section URL/CGI Implementation Guidelines, subsection HTTP Response Data Elements

Page 16, replace the example given under “error, plain text format:” with the following:

Content-Type: multipart/report; report-type="gisb-acknowledgement-receipt"; boundary="GISB7866"

--GISB7866
Content-type: text/html

<HTML><HEAD><TITLE>Acknowledgement Receipt Error</TITLE></HEAD> <BODY><P>
time-c=19960619082855*
request-status=EEDM106: Invalid To Common Code Identifier*
server-id=coolhost*
trans-id=234423897*
</P> </BODY></HTML>
--GISB7866
Content-type: text/plain

time-c=19960619082855*
request-status=EEDM106: Invalid To Common Code Identifier*
server-id=coolhost*
trans-id=234423897*
--GISB7866--

Annotation 3; Label: Carl P Caldwell; Date: 3/7/2000 8:46:45 PM
Proposed changes to section URL/CGI Implementation Guidelines, subsection HTTP Response Data Elements

Page 16, replace the example given under “warning, plain text format:” with the following:

Content-Type: multipart/report; report-type="gisb-acknowledgement-receipt"; boundary="GISB7866"

--GISB7866
Content-type: text/html

<HTML><HEAD><TITLE>Acknowledgement Receipt Warning</TITLE></HEAD> <BODY><P>
time-c=19960619082855*
request-status=WEDM100: Transaction Set Sent, Not Mutually Agreed*
server-id=coolhost*
trans-id=234423897*
</P> </BODY></HTML>
--GISB7866
Content-type: text/plain

time-c=19960619082855*
request-status= WEDM100: Transaction Set Sent, Not Mutually Agreed *
server-id=coolhost*
trans-id=234423897*
--GISB7866--

Annotation 4; Label: Carl P Caldwell; Date: 3/7/2000 9:03:28 PM
or, as a more elaborate response to a successful transmittal,

Annotation 5; Label: Carl P Caldwell; Date: 3/7/2000 10:24:20 PM
Signed Receipt
Content-Type:multipart/signed; micalg=pgp-md5; protocol="application/pgp-signature";
boundary=8760

--8760

Content-Type: multipart/report; report-type="gisb-acknowledgement-receipt"; boundary="GISB7867"

--GISB7867
Content-type: text/html

<HTML><HEAD><TITLE>Acknowledgement Receipt Success</TITLE></HEAD> <BODY><P>

time-c=19960619082855*
request-status=ok*
server-id=coolhost*
trans-id=234423897*

</P> </BODY></HTML>

--GISB7867
Content-type: text/plain

time-c=19960619082855*
request-status=ok*
server-id=coolhost*
trans-id=234423897*
--GISB7867--
--8760
Content-Type: application/pgp-signature

-----BEGIN PGP MESSAGE-----

Version: 2.6.2

iQCVAwUBMJrRF2N9oWBghPDJAQE9UQQAtl7LuRVndBjrk4EqYBIb3h5QXIX/LC//
JV5bNvkZIGPIcEmI5iFd9boEgvpirHtIREEqLQRkYNoBActFBZmh9GC3C041WGq
uMbrbxc+nIs1TIKlA08rVi9ig/2Yh7LFrK5Ein57U/W72vgSxLhe/zhdfolT9Brn
HOxEa44b+EI=
=ndaj

-----END PGP MESSAGE-----

--8760—

Page 52

Annotation 1; Label: Carl P Caldwell; Date: 2/29/2000 8:53:42 AM
Proposed changes to section URL/CGI Implementation Guidelines, subsection HTTP Response Data Elements

Page 17, remove the example given under “HTML format”.

Annotation 2; Label: Carl P Caldwell; Date: 3/7/2000 8:48:24 PM
HTML format (this example is for a successful transmittal): <html> <head> <title> Upload OK</ title> </ head> <!-- time- c= 19960123203618*-->_ <!-- request- status= ok* --> <!-- server- id= coolhost* --> <!-- trans- id= 232323897*--> <h1> Upload OK </ h1>< br> <body> <B> File Saved at (time- c): </ B> 19960123203618< br> <B> Status (request- status): </ B> ok< br> <B> Server (server- id): </ B> coolhost< br> <B> Transaction ID (trans- id): </ B> 232323897< br> </ body> </ html>

Page 54

Annotation 1; Label: Carl P Caldwell; Date: 3/1/2000 7:33:53 PM
Proposed changes to section Security , subsection Encryption / Digital Signature . Page 19, new paragraph after the second paragraph

Digital signatures may also be applied, on a mutually agreeable basis, to the HTTP response by the receiver of the transacation.

Annotation 2; Label: Carl P Caldwell; Date: 3/1/2000 7:37:00 PM
Proposed changes to section Security , subsection Decryption / Signature Verification . Page 19, new paragraph after the second paragraph

When digital signatures are applied the HTTP response, on a mutually agreeable basis, the HTTP response received by the sender the transacation may be verified to ensure non-repudiation of receipt of the transaction.

Page 56

Annotation 1; Label: Carl P Caldwell; Date: 2/29/2000 8:55:05 AM
Proposed changes to section Sending Error Notification Transactions, subsection Error Notification

Page 21, insert the following as the last paragraph of the subsection:

“Additionally, trading partners are permitted to utilize digitally signed error notifications, if both parties mutually agree to do so.”

Page 57

Annotation 1; Label: Carl P Caldwell; Date: 2/29/2000 8:55:37 AM
Proposed changes to section Sending Error Notification Transactions, subsection Error Notification Data Elements

Page 22, remove the sentence containing “The entire error notification must be no more than 2048 characters.”

Annotation 2; Label: Carl P Caldwell; Date: 2/29/2000 8:56:13 AM
Proposed changes to section Sending Error Notification Transactions, subsection Error Notification Data Elements

Page 22, replace the paragraph starting with “If an HTML response is given” with the following:

If an error notification is given, a GISB Error Notification contains two body parts nested within a multipart/report outer envelope. The first body part contains human readable content in HTML. The second body part contains machine readable content in HTML. Additionally, consenting trading partners can mutually agree to digitally sign error notifications. If digital signatures are used, the multipart/report containing the GISB Error Notification is used to create a digital signature body part, identified by a content-type of application/pgp-signature. Both the multipart/report GISB Error Notification and application/pgp-encrypted digital signature body parts are combined in a multipart/signed envelope.

Annotation 3; Label: Carl P Caldwell; Date: 3/7/2000 8:49:40 PM
The entire error notification must be no more than 2048 characters.

Page 58

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 10:27:48 PM
Proposed changes to section Sending Error Notification Transactions, subsection Error Notification Data Elements

Page 23, replace the example given under Error Notification Example with the following:

POST /cgi-bin/AS2dispatcher HTTP/1.0
Referer: http://www.get.a.life/upl.htm
Connection: Keep-Alive
User-Agent: brow v0.1 XYZ Corp.
Host: localhost
Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, */*
Content-type: multipart/form-data; boundary=---------------------------87453838942833
Content-Length: 1958
-----------------------------87453838942833
Content-Disposition: form-data; name="from"

234567890
----------87453838942833
Content-Disposition: form-data; name="to"

123456789
----------87453838942833
Content-Disposition: form-data; name="version"

1.4
----------87453838942833
Content-Disposition: form-data; name="receipt-disposition-to"

123456789
----------87453838942833
Content-Disposition: form-data; name="receipt-report-type"

gisb-acknowledgement-receipt
----------87453838942833
Content-Disposition: form-data; name="input-format"

error
----------87453838942833
Content-Disposition: form-data; name="input-data"; filename="c:\temp\error.not"
Content-Type: multipart/report; report-type="gisb-error-notification"; boundary="GISB7868"

--GISB7868
Content-type: text/html

<HTML><HEAD><TITLE>Error Notification</TITLE></HEAD> <BODY><P>
orig-from=123456789*
orig-to=234567890*
orig-input-format=X12*
resp-time-c=19960619102855*
resp-server-id=coolhost*
resp-trans-id=234423897*
request-status=EEDM601: Public Key Invalid*
comments=Please contact 1-800-555-1212 for correct public key*
</P> </BODY></HTML>

--GISB7868
Content-Type: text/plain

orig-from=123456789*
orig-to=234567890*
orig-input-format=X12*
resp-time-c=19960619102855*
resp-server-id=coolhost*
resp-trans-id=234423897*
request-status=EEDM601: Public Key Invalid*
comments=Please contact 1-800-555-1212 for correct public key*
--GISB7868--
----------87453838942833--

Annotation 2; Label: Carl P Caldwell; Date: 3/7/2000 10:26:51 PM

Signed Error Notification

Content-Type:multipart/signed; micalg=pgp-md5; protocol="application/pgp-signature";
boundary=8760

--8760

Content-Type: multipart/report; report-type="gisb-error-notification"; boundary="GISB7868"

--GISB7868
Content-type: text/html

<HTML><HEAD><TITLE>Error Notification</TITLE></HEAD> <BODY><P>
orig-from=123456789*
orig-to=234567890*
orig-input-format=X12*
resp-time-c=19960619102855*
resp-server-id=coolhost*
resp-trans-id=234423897*
request-status=EEDM601: Public Key Invalid*
comments=Please contact 1-800-555-1212 for correct public key*

</P> </BODY></HTML>

--GISB7868
Content-Type: text/plain

orig-from=123456789*
orig-to=234567890*
orig-input-format=X12*
resp-time-c=19960619102855*
resp-server-id=coolhost*
resp-trans-id=234423897*
request-status=EEDM601: Public Key Invalid*
comments=Please contact 1-800-555-1212 for correct public key*

--GISB7868--
--8760

Content-Type: application/pgp-signature
-----BEGIN PGP MESSAGE-----

Version: 2.6.2

iQCVAwUBMJrRF2N9oWBghPDJAQE9UQQAtl7LuRVndBjrk4EqYBIb3h5QXIX/LC//
JV5bNvkZIGPIcEmI5iFd9boEgvpirHtIREEqLQRkYNoBActFBZmh9GC3C041WGq
uMbrbxc+nIs1TIKlA08rVi9ig/2Yh7LFrK5Ein57U/W72vgSxLhe/zhdfolT9Brn
HOxEa44b+EI=
=ndaj

-----END PGP MESSAGE-----

--8760--

Page 63

Annotation 1; Label: Carl P Caldwell; Date: 3/7/2000 9:43:52 PM
Proposed changes to Table A - Internet EDM Standard Error Codes and Messages, subsection Internet EDM Standard Error Codes and Messages

Pages 27-28, add the following error codes and messages to the Internet EDM Standard Error Codes and Messages table:

Validation Code: EEDM110
Description: Invalid “version”
Data Element: version
Required vs. Mutually Agreed: required

Validation Code: EEDM111
Description: Missing "version"
Data Element: version
Required vs. Mutually Agreed: required

EEDM112 "receipt-security-selection" not mutually agreed
receipt-security-selection
mutually agreed
WEDM102 "receipt-security-selection" not mutually agreed
receipt-security-selection
mutually agreed
EEDM113
Invalid "receipt-security-selection"
receipt-security-selection
mutually agreed

EEDM114
Missing "receipt-disposition-to"
receipt-disposition-to
required

EEDM115
Invalid "receipt-disposition-to"
receipt-disposition-to
required

EEDM116
Missing "receipt-report-type"
receipt-report-type
required
EEDM117
Invalid "receipt-report-type"
receipt-report-type
required

EEDM118
Missing "receipt-security-selection"

receipt-security-selection
mutually agreed
WEDM103
Missing "receipt-security-selection"
receipt-security-selection
mutually agreed

TO: GISB Contracts Subcommittee

FROM: GISB EDM Subcommittee

Date: March 23, 2000

Re: AS2 affect on the TPA

As a result of processing Request No. R99035 from Group 8760 the EDM subcommittee is recommending the adoption of certain changes in order to address the business needs for privacy, authentication, integrity and non-repudiation of Origin and Receipt as specified in "HTTP Transport for Secure EDI" (a.k.a. EDIINT AS2). The EDIINT AS2 modifications to the GISB EDM protocol allow trading partners to mutually agree to implement signed receipts. To implement signed receipts the receiving party must digitally sign the gisb-acknowledgement-receipt and encapsulate the gisb-acknowledgement-receipt and digital signature body parts within a MIME envelope with a content-type of application/pgp-signature. Additionally the GISB EDM recommended changes permit trading partners to utilize digitally signed error notifications, if both parties mutually agree to do so. If digital signatures are used, the multipart/report containing the gisb error notification is used to create a digital signature body part, identified by a content-type of application/pgp-signature. Both the multipart/report gisb error notification and application/pgp-encrypted digital signature body parts are combined in a multipart/signed envelope.

When reviewing these proposed changes the EDM subcommittee raised the issue of whether the adoption of EDIINT AS2 requires modification to the Trading Partner Agreement, GISB Standard No. 6.3.3 (TPA). The following areas of the TPA may need to be revised to permit the trading partners to specify their mutual agreement to the use of signed receipts and the specific implementation of such use:

1. Review of terminology throughout the TPA (for example HTTP response, time-c, etc.)
2. Section 2.2 Digital Signature Verification and Decryption
3. Section 2.3 Functional Acknowledgement and Response Document
4. Exhibit (Transaction Set Exhibit), Section 4.

The above list is not intended to be an inclusive list.

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Group 8760 **Request No.: R99035**

4. SUPPORTING DOCUMENTATION

a. Description of Request:

Review and recommend changes to the existing body of EDM standards to support standards convergence across other standards setting groups, such as AIAG, UIG, and EDI-INT.

b. Description of Recommendation:

Electronic Delivery Mechanism Subcommittee

Motion: The AS2 convergence work paper will be sent to the FTTF for their meeting on February 16th. The FTTF will review the work paper to verify the technical specification and examples. In addition, FTTF should review the work paper to verify that the changes do not require any mandatory changes to business practices between trading partners.

Sense of the Room: **1/21/2000** 16 In Favor 0 Opposed

Future Technology Taskforce

Motion: Based of FTTF's review, version 2.1 (will become version 2.2 with changes), the AS2 document is technically acceptable.

Sense of the Room: **2/16/2000** 15 In Favor 0 Opposed

Electronic Delivery Mechanism Subcommittee

Motion: Adopt the AS2 work paper, as posted and with above changes, as a the EDM Subcommittee recommendation to the Executive Committee as to support standards convergence with the Internet Engineering Taskforce EDIINT standard AS2.

Sense of the Room: **3/23/2000** 10 In Favor 0 Opposed

Motion: Adopt the instruction, as modified, to the Contracts Subcommittee regarding the changes which may be needed in the GISB standard Trading partner Agreement.

Sense of the Room: **3/23/2000** 11 In Favor 0 Opposed

c. Business Purpose:

There are business benefits gained from adherence to "HTTP Transport for Secure EDI" (a.k.a. IETF EDIINT AS2) such as allowing potential to more readily, electronically trade with others (e.g., electric utilities, banks, suppliers, retail customers), making it more likely that packages can be purchased to replace custom written apps currently in place to support GISB EDM and strengthening the surety of receipt and error notification

HTTP Transport for Secure EDI (AS2) is an emerging standard, largely based on the original GISB EDM, that is being developed by the Internet Engineering Task Force, the Internet standards body. Adherence with a formal, international Internet standard, such as AS2 ensures that the specification will not change without due process and any changes that do occur will be the result of a broad consensus. Individual companies and entire industries are free to use as much or as little of AS2 as they see fit, providing the maximum flexibility to meet business needs.

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

The technical specifications of the EDI/EDM method of communication have been modified to comply with a the broader "HTTP Transport for Secure EDI" standard being developed by the Internet Engineering Task force (IETF). These technical changes do not impact the underlying required business practices established by GISB. In addition, the security features of the EDI/EDM and batch FF/EDM communication method now includes mutually agreeable business practices to protect the sender of a document from non-repudiation and to digitally sign Error Notifications.

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Williams Gas Pipeline **Request No.: R99050**

1. Recommended Action:

___Accept as requested
_X_ Accept as modified below
___Decline

Effect of EC Vote to Accept Recommended Action:

_X_ Change to Existing Practice
___Status Quo

2. TYPE OF MAINTENANCE

Per Request:

___Initiation
_X_ Modification
___Interpretation
___Withdrawal

___Principle (x.1.z)
___Definition (x.2.z)
___Business Practice Standard (x.3.z)
___Document (x.4.z)
_X_ Data Element (x.4.z)
___Code Value (x.4.z)
_X_ X12 Implementation Guide
___Business Process Documentation

Per Recommendation:

___Initiation
_X_ Modification
___Interpretation
___Withdrawal

___Principle (x.1.z)
___Definition (x.2.z)
___Business Practice Standard (x.3.z)
___Document (x.4.z)
_X_ Data Element (x.4.z)
___Code Value (x.4.z)
_X_ X12 Implementation Guide
___Business Process Documentation

3. RECOMMENDATION

SUMMARY: * Modify the definition of the data element Tax Identification Code.

DATA DICTIONARY (for new documents and addition, modification or deletion of data elements)

Document Name and No.: Transportation/Sales Invoice (3.4.1)
Service Requester Level Charge/Allowance Invoice (3.4.4)

Business Name (Abbreviation)	Definition	Model Data Group	EDI / FF Usage	Condition
Tax Identification Code (Tax ID Cd)	*Code assigned by a government to the Payee.* ~~Code assigned by a government recognizing a business entity.~~	BEDG	SO *	For Invoice - determined by government reporting requirements.

* Note that the usage of the Tax Identification Code was changed from BC to SO as a result of request R99051, which was approved by the GISB EC on April 13, 2000.

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Williams Gas Pipeline **Request No.: R99050**

TECHNICAL CHANGE LOG (all instructions to accomplish the recommendation)

Document Name and No.: Transportation/Sales Invoice (3.4.1)
Service Requester Level Charge/Allowance Invoice (3.4.4)

Description of Change:
G811TSIN - Transportation/Sales Invoice (3.4.1)
Data Element Xref to X12
Header REF segment: delete line for data element Tax Identification Code
Header N1 segments: break the four N1 segments (currently all in one invisible row in the table) into separate invisible rows in the table
below the N1 segment for data element Payee (in the same invisible row in the table), add a REF segment, usage SO, for data element Tax Identification Code
move the segments for N3 Remittance Address, N4 Remittance Address, and REF Electronic Funds Transfer Address into the same invisible row in the table as N1 Remit to Party and delete the resulting empty rows
X12 Mapping
Header REF segment (position 050): REF01: delete element level note; add code value 11; REF02: delete element level note about referring to the table; delete element name "Tax Identification Code"; resulting REF02 element note should read "Account Number"
Header REF segment within N1 loop (position 140): REF01: add code value "TJ"; add the following code value note to code value "TJ": "For GISB, this code value may only be used in the Payee N1 loop (N101 = 'PE')"; REF01: add the following code value note to code value "EM": "For GISB, this code value may only be used in the Remit to Party N1 loop (N101 = 'RI')"; REF02: add data element name ", Tax Identification Code"
Transaction Set Tables
"REF Segments (Heading)" table: delete entire table
G811SRCA - Service Requester Level Charge/Allowance Invoice (3.4.4)
Data Element Xref to X12
Header REF segment: delete line for data element Tax Identification Code
Header N1 segments: break the four N1 segments (currently all in one invisible row in the table) into separate invisible rows in the table
below the N1 segment for data element Payee (in the same invisible row in the table), add a REF segment, usage SO, for data element Tax Identification Code
move the segments for N3 Remittance Address, N4 Remittance Address, and REF Electronic Funds Transfer Address into the same invisible row in the table as N1 Remit to Party and delete the resulting empty rows
X12 Mapping
Header REF segment (position 050): REF01: delete element level note; add code value 11; REF02: delete element level note about referring to the table; delete element name "Tax Identification Code"; resulting REF02 element note should read "Account Number"
Header REF segment within N1 loop (position 140): REF01: add code value "TJ"; add the following code value note to code value "TJ": "For GISB, this code value may only be used in the Payee N1 loop (N101 = 'PE')"; REF01: add the following code value note to code value "EM": "For GISB, this code value may only be used in the Remit to Party N1 loop (N101 = 'RI')"; REF02: add data element name ", Tax Identification Code"
Transaction Set Tables
"REF Segments (Heading)" table: delete entire table

Cleanup items submitted with this recommendation
G811TSIN - Transportation/Sales Invoice (3.4.1)
X12 Mapping
Header N3 segment (position 120): add the following sentence to the end of the existing segment note: "It may only be sent in the Remit to Party N1 loop (N101 = 'RI')."
Header N4 segment (position 130): add the following sentence to the end of the existing segment note: "It may only be sent in the Remit to Party N1 loop (N101 = 'RI')."
G811SRCA - Service Requester Level Charge/Allowance Invoice (3.4.4)
X12 Mapping
Header N3 segment (position 120): add the following sentence to the end of the existing segment note: "It may only be sent in the Remit to Party N1 loop (N101 = 'RI')."
Header N4 segment (position 130): add the following sentence to the end of the existing segment note: "It may only be sent in the Remit to Party N1 loop (N101 = 'RI')."

4. SUPPORTING DOCUMENTATION

a. Description of Request:

Williams Gas Pipeline (WGP) on behalf of the ANSI Compliance Team requests that the definition of the data element Tax Identification Code in the Transportation/Sales Invoice (3.4.1) be changed to reflect that the code is assigned to the Remit to Party. The current definition is:

"Code assigned by government recognizing a business entity."

The proposed revised definition is:

"The tax identification code assigned by a government to the Remit to Party."

b. Description of Recommendation:

Information Requirements Subcommittee
Discussion: During the processing of this request at February's IR meeting, some confusion developed as to whether the Tax Identification Code should be a "code assigned by a government to the Remit to Party" or a "code assigned by a government to the Payee". The data element Tax Identification Code is utilized in the Transportation /
Sales Invoice and the Service Requester Level Charge/Allowance Invoice.

IR Implementation

The definition for the data element Tax Identification Code should be a "Code assigned by a government to the Payee".

RECOMMENDATION TO GISB EXECUTIVE COMMITTEE

Requester: Williams Gas Pipeline **Request No.: R99050**

MOTION: Modify the definition of the data element Tax Identification Code as documented above. The data element Tax Identification Code is utilized in the Transportation / Sales Invoice and the Service Requester Level Charge/Allowance Invoice.

Sense of the Room: March 28-29, 2000 6 In Favor 0 Opposed

Technical Subcommittee
Changes were made to the mapping to implement the new definition of the Tax Identification Code data element. Changes were also made to the Data Element Cross Reference to X12 and notes were added to the X12 Mapping to better represent the looping structure of the data elements as related to the parties in the transaction.

Sense of the Room: April 20, 2000 3 In Favor 0 Opposed

c. Business Purpose:

Per the request: When this request is satisfied, there will be a clearer definition of the subject data element in the Transportation/Sales Invoice.

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

FTTF
Redlined Changes to Minimums and Versions from 1.4 to 1.5

- **Page 20 - GISB EDM Manual 1.4 (Specified TCP Ports)**

TCP Communications

GISB Principle 4.1.37 and GISB Standard 4.3.70 restrict the TCP ports used as a standard for EDM communications. The usage of GISB standard ports may require modifications in the client-side firewall to allow for communications with the various service providers' EDM* implementations. Upon request, the TSP should indicate to their trading partners which specific TCP ports they will require to be opened to conduct electronic communication.

Allowable TCP Ports (not UDP ports)
HTTP 80, 5713, 6112, 6304, 6874, 7403
SSL 443
ICA® 1494
RMI(Java®) 1099-1100
Java® Telnet 31415
TCP Optional 8001-8020**
Allowable UDP Ports (not TCP ports)
Secure ICA 1604

There are other technologies available that would require additional ports to be opened, such as FTP, Telnet, and SMTP. If and when GISB approves such technologies, FTTF will modify this list of allowable ports accordingly. The client-side firewall implementation and client browser settings should permit the downloading and installation of GISB approved plug-ins and modules. Please refer to the GISB defined Minimum Technical Characteristics for Accessing Customer Activities Web Sites for the listing of GISB approved plug-ins and modules.

These guidelines will be reviewed and updated by the Future Technology Task Force, at a minimum, by the spring of each year and presented to the GISB Executive Committee for adoption by the June meeting of that group.

*All GISB standard Internet communications
**The reservation of 20 optional ports was to provide room for implementations such as DCE, IIOP, and load balancing implementations. TSPs should endeavor to minimize the usage of these ports.

4.3.59 Providers of Customer Activities Web sites should ensure that the site operates within the guidelines of the "Technical Characteristics of the Client Workstation" described in the Appendix of the Electronic Delivery Mechanism Related Standards Manual. This appendix, listing examples of hardware and software configurations that providers should meet, should be reviewed and updated by the Future Technology Task Force, at a minimum, by the spring of each year and presented to the GISB Executive Committee for adoption by the June meeting of that committee.

- **Page 63 - GISB EDM Manual 1.4 (Specified HTTP Ports)**

FTTF
Redlined Changes to Minimums and Versions from 1.4 to 1.5

Server Specifications

The HTTP Server should be configured as port 80. If port 80 is not available, use one of the five recommended alternate ports: 5713, 6112, 6304, 6874, 7403.

- **Page 22, 68 - GISB EDM Manual 1.4 (PGP Version)**

Security

Though many decisions as to overall security measures are left to each trading partner and their environment, several security measures were established as standards to ensure a minimum level of confidence in conducting business over the Internet and to provide some uniformity in the implementation of security. Four primary security aspects were considered as vital in providing the level of protection of transactions needed for gas industry commerce: data privacy, data integrity, authentication, and non-repudiation. The FTTF found that these concerns are addressed by the use of encryption and digital signature capability of the Pretty Good Privacy (PGP) security application. Any process used for encryption and decryption compatible with PGP 2.6 (using keys generated with the RSA algorithm) meets the minimum standard to be applied to files transmitted over the Internet. To prevent unwanted intruders from connecting to the Web sites, basic authentication is the required standard. Additional issues such as firewall security are discussed in the standards, but are considered implementation issues to be addressed by each organization.

4.3.15 Trading partners should implement all security features (secure authentication, integrity, privacy, and non-repudiation) using a file-based approach via a commercially available implementation of PGP 2.6 or greater (or compatible with PGP 2.6). Trading partners should also implement basic authentication. This should be regarded as an interim solution since this technology is not an open standard. This technology supports all of the above security features while providing independence of choice of Web servers and browsers. Encryption keys should be self-certified and the means of exchange should be specified in the trading partner agreement.

- **Page 22, 68 - GISB EDM Manual 1.4 (HTTP & HTML Version)**

HTTP

The GISB EDM architecture is based on HTTP 1.0, and all implementations should be compatible with this version.

W3C WorldWide Web Consortium. All aspects of HTTP, HTML, and other Web-related topics are documented at:
http://www.w3.org/pub/WWW/

General information regarding HTTP with basic terminology included are documented at:
http://www.w3.org/pub/WWW/Protocols/HTTP/1.0/spec.html

Syntax information for multipart can be found in IETF RFC1341 section 7.2. (www.ietf.org)

HTML

Before April 24, 1998, the recommended standard from the WorldWide Web Consortium was HTML 3.2. The specification for this standard can be found at: http://www.w3.org/pub/WWW/TR/REC-html32.html

Effective April 24, 1998, the WorldWide Web Consortium has made a recommendation for HTML 4.0. Information on HTML 4.0 may be found at http://www.w3.org/TR/REC-html40/.

http://www.ncsa.uiuc.edu/General/Internet/WWW/HTMLPrimer.html

http://www.interlink-2000.com/guide-to-publishing-html.html

Special Edition Using HTML, Second Edition, Mark Brown, John Jung, and Tom Savola, Que Corporation, 1996.

- **Page 104 - GISB EDM Manual 1.4 (Appendix C Minimum (11/15/1999) Technical Characteristics and Guidelines for the Customer Activities Web Site)**

Browser Characteristics (includes defined GISB current versions):

Features as supported by the latest generally available (GA) versions of both Netscape® [2] ~~v4.06~~ and Internet Explorer® ~~v4.0 Service Pack 1~~. [3] within 6 months of such GA version becoming available, including –

- Frames & Nested Frames
- Tables & Nested Tables
- HTML
- Cookies
- JavaScript
- SSL 40-bit RSA Encryption
- Style Sheets

Plug-ins (Generally Available (GA) versions within 12 months of such GA versions becoming available)

- JAVA® ~~1.1.6 Sun® JDK~~ [4]
- ActiveX® (Plug-in for Netscape®) [5]
- Independent Computer Architecture ~~v4~~ (ICA®) - Protocol used for remote control access to an application

Operating Systems:

Operating systems on a client workstation should be multithreaded and preemptive.

FTTF
Redlined Changes to Minimums and Versions from 1.4 to 1.5

Hardware:

CPU >=~~166~~ 300 MHz
Memory >=~~64~~ 96 MB Physical
Display Resolution >=~~800 x 600~~1024 x 768
Connection > =56 KB (v.90)

Example Configuration [1]

Hardware:	CPU: ~~P166~~ P300 MHz or higher
	Memory: ~~64MB~~ 96MB Physical
	Display Resolution: ~~800x600~~1024 x 768
	Pointing Device with left and right click capability
Operating Systems:	~~Windows® 95~~ [2]
	Windows® 98 [2]
	Windows® NT 4.0 ~~service pack 3~~
	Windows® 2000
Connection:	56KB (v.90) modem
	ISDN
	Direct Connect (T1, Fractional T1, etc.)
	DSL
	Cable-Modem
Browser:	Netscape® Communicator/Navigator ~~v4.06~~
	Microsoft® Internet Explorer ~~v4.0 service pack 1~~
Plug-ins:	JAVA® ~~1.1.6 Sun® JDK (Activator)~~
	ActiveX® (Plug-in for Netscape®)
	ICA® ~~v4~~

Memory - Users who want to have multiple applications or EBBs open simultaneously should consider more memory.

CPU Speed - Users should be aware that higher CPU speeds may result in better performance.

- **Page 106 - GISB EDM Manual 1.4 (Minimal and Suggested (7/31/98) Technical Characteristics and Guidelines for the Developer and User of the Informational Postings Web Site)**

User technical characteristics provide specifications to the developer on the user environment for which the application will be designed and tested. Likewise, they will serve as guidelines to the user when purchasing the appropriate hardware and software to enable him/her to use the application.

Informational Postings Web Site User Technical Characteristics

	Minimal	Suggested (7/31/98)
Connection Device:	28.8 KB	Direct Connect

Operating System:	Multi-threaded & Preemptive	
RAM:	32 MB	>32 MB
Browser Capabilities:	Cookies & JavaScript Frames & Nested Frames Tables & Nested Tables HTML 3.2	
Display Resolution:	800x600, 256 colors	16k colors

Definitions:

Minimal user technical characteristics –

The environment and components for which the Web site application is designed and tested. This should include:

- a client environment comprised only of characteristics listed above, and,
- support for all mandated functions in accessing Informational Postings

Suggested user technical characteristics –

Environment or components not required to perform all mandated functions in accessing Informational Postings, but could provide an enhanced user experience.

Examples of User Workstations Meeting Criteria of Informational Postings Web Site User Characteristics[1]

	Minimal	Suggested (7/31/98)
Hardware:	Pentium® 90MHz or equivalent	Pentium® 200MHz or greater [2]
RAM:	32 MB	> 32 MB
Communication Device:	28.8	Direct Connect ISDN Satellite 56 KB modem DSL Cable-Modem
Monitor:	12" Laptop 15" Desktop	> 12" Laptop > 15" Desktop
Display Capabilities:	800 x 600 256 colors	> 800 x 600 > 256 colors
Operating System:	Windows® 95 System 7®	Windows® 985 Windows® NT 4.0 ~~or greater~~ [3]

	Solaris® 2.5	Solaris® 2.6 4 System 8® Windows 2000®
Browser:	Microsoft Internet Explorer® ~~3.02~~ Netscape® ~~Navigator 3.0~~ Communicator	Microsoft Internet Explorer® ~~4.0~~ Netscape® Communicator ~~4.0 or~~ ~~Netscape®~~ ~~Navigator 4.0~~

Informational Postings Web Site Developer Technical Characteristics
User's environment supporting the above minimum characteristics should be able to access all GISB standardized features of Informational Postings Web Sites.

Any other Web technologies may be considered for use by the developer as long as they can be used by the client without requiring special actions including firewall rule changes, use of a specific browser, logons and downloads of special helper applications such as plug-ins, viewers or readers.

4. Board Report

- Mr. Buccigross and Ms. McQuade will cover the Board Report. The recommendation considered by the Board is attached.

Gas Industry Standards Board
1100 Louisiana, Suite 4925, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: gisb@aol.com
Home Page: www.gisb.org

GISB SCOPE QUESTION STATUS REPORT

AND

RECOMMENDATION TO THE BOARD OF DIRECTORS

MAY 26, 2000

RECOMMENDATION

The Board task force recommends that the Board not act at this time to modify GISB's governance documents. Rather, the Board task force recommends that that Board endorse the activities undertaken at its behest to determine the level of interest in, and whether and how GISB should participate in the creation of a new organization to address the development of standards for the wholesale and retail gas and electric markets.

The Board task force asks that this endorsement be given by the Board so that discussions can be continued with trade associations whose members would be stakeholders in a new standards organization, electric utilities and government agencies. Discussions are currently underway with several key associations, utilities and government agencies, which may result in further understanding of the support for a new organization to develop wholesale and retail gas and electric standards to promote a healthy and streamlined energy marketplace.

ACTIONS TAKEN SINCE THE MARCH BOARD MEETING

The Board task force has taken several steps to ascertain level of financial support and resource availability from industry stakeholders, the level of industry support and support from government agencies.

DISCUSSIONS REGARDING RESOURCES AND FINANCIAL SUPPORT

Representatives of the Board Task Force have met with several stakeholders in the electric wholesale and retail markets. In these meetings, the stakeholders have noted their commitment to support a new organization that would encompass GISB and develop standards for the wholesale and retail

gas and electricity markets. The support would be both financial and with resources necessary to carry out the development of standards. This support is subject to the organizational structure of the governance bodies, identification of segments, and definition of voting requirements to bring equity and fairness among the varying interests.

MEETINGS WITH TRADE ASSOCIATIONS, GOVERNMENT AGENCIES AND UTILITIES

Representatives from the task force have held meetings with American Gas Association, American Public Power Association, Edison Electric Institute, Interstate Natural Gas Association of America, Electricity Consumers Resource Council, Electric Power Supply Association, National Energy Marketers Association, and the Natural Gas Supply Association. Task force representatives have also met with the Department of Energy, the Federal Energy Regulatory Commission, the North American Electric Reliability Council, and several state commissioners and their staff. They have met with Southern Company and plan to meet with AEP, Duke Energy and Unicom as well as other trade associations and the ISO Council.

GISB FACILITATED APRIL 17 INDUSTRY MEETING

An industry meeting regarding scope was facilitated by GISB and hosted by the Department of Energy on April 17. There were more than 100 attendees and Assistant Secretary Gee made opening remarks. Comments were forwarded to GISB prior to each meeting and after the meetings[1]. The comments were posted on the GISB home page and were discussed at the meeting. Three scope statements were made:

1. GISB should continue with its existing scope and consider no changes to its governance documents,
2. GISB should support the creation of a new organization to develop standards for the wholesale and retail gas markets and the retail electricity markets – the new organization, which would encompass activities currently undertaken by GISB, would not develop standards for the electric wholesale market, and
3. GISB should support the creation of a new organization to develop standards for the wholesale and retail gas and electricity markets – and this new organization would encompass activities currently undertaken by GISB.

[1] For the meeting held on April 17, Alliant Energy, CMS Energy, Public Service Gas and Electric, Reliant Energy and Semco Energy Gas Company submitted written comments to GISB – which are posted on the GISB web site.

In addition, the group discussed several principles for the development of a new standards organization:

- Take no advocacy role.
- Implement policy, not create or embed policy through the development of standards.
- Address common technology standardization issues.
- Maintain close communications with NERC regarding reliability as reliability practices and business practices are closely linked.
- Do not develop standards regarding commercial terms.
- Existing work products should be leveraged by the new organization assuming membership support.
- Scope and all organizational activities are membership driven.
- The organization should be open, transparent, inclusive and voluntary. It should be representative of the industry and its decisions should be consensus based with protection for the industry segments. Through these organizational principles, the organization will gain industry credibility.

GISB FACILITATED APRIL 26 INDUSTRY MEETING

An industry meeting regarding governance was facilitated by GISB and hosted by the Federal Energy Regulatory Commission on April 26. There were more than 100 attendees and former Commissioner Jerry Langdon made opening remarks. Comments were forwarded to GISB prior to each meeting and after the meetings[2]. The comments were posted on the GISB home page and were discussed at the meeting.

The task force described the GISB model of governance to the audience with the following points stressed, for which there was general support by the audience:

- The openness of participation in the process for both members and nonmembers alike, and the openness of all voting – including posting voting records,
- The balance of interests including voting,

[2] For the meeting held on April 26, Reliant Energy and Wisconsin Public Service Company submitted written comments to the GISB office – which are posted on the GISB web site.

- The voluntary nature of the organization – including the membership driven nature of all activities,
- The determination of standards to implement – not set – policy,
- The prohibition of the organization to take advocacy positions,
- The need for two governing bodies – a Board of Directors and an Executive Committee, and
- The comprehensive documentation procedures followed in the standards development process, including the maintenance and public accessibility to all work products in the process and the ability to track a given request through all of the work products[3],

The following concerns were raised during the discussion:

- EEI raised a timing issue -- it expects the uniform business rules work product to be finalized in June.
- Georgia Power raised a "chicken and egg" problem, described as: "Does GISB decide what to do and then invite the utilities and other electric market interests in to the new organization? Or does the industry determine how to go forward?" Task Force members responded that the GISB Board would act on whether it should proceed to support the creation of a new organization that would encompass GISB, as it exists today. If the Board determined to go further, then the industry would determine how it would be organized and which organizational principles should guide its creation. These industry meetings, however, are not presumptive of specific GISB action. The meetings are necessary to gather information for the GISB Board.
- A GISB Board member explained the necessity of these meeting by noting that before GISB determines how to respond to the CUBR request, it should know first if the industry supports such an activity – including resources and funding. If the support is not apparent, then GISB should decline the request. These industry meetings support the gathering of information to determine if industry support exists.

[3] The work products include: agendas, minutes, work papers, attendance sheets, industry comments, voting records at the subcommittee level, transcripts, discussion at the Executive Committee, discussion at the Board if necessary, voting records from the Executive Committee, ratification by membership, publication as final actions prior to the release of a given version of the standards manuals, and the publication of the standards manual itself. The standards manuals all follow the same format, which was based from formats followed in ISO 9000 manuals.

- On the organization into segments, there was wide disparity on the number of segments needed to address the electric industry. Several models, including ones recently adopted NERC and others adopted by state agencies were highlighted. Several participants supported a marketer's segment separate from the services segment – or both gas and electricity segments.

One other governance alternative was highlighted:

- A separate organization should be created to address the development of retail gas and electric standards. The may be an informal liaison role between GISB and this new organization where there may be shared expectations.

Another industry comment period to address governance issues was requested by the audience, as they were now more familiar with the GISB procedures. Comments were requested to be forwarded to the GISB office by May 22.[4]

BACKGROUND ON CUBR REQUEST AND GISB ACTIVITIES

Below is a brief outline of the GISB activities related to the request that GISB broaden its scope to include the development of standards for the electric industry.

CUBR REQUEST & SEPTEMBER 29 BOARD MEETING:

On September 29, 1999, the Coalition for Uniform Business Rules requested that GISB expand its scope in order to develop standards for the retail gas and electricity markets. During the open Board of Directors meeting in San Antonio, the group was thanked by the Board for its request, and after some general discussion, the Board asked that a report regarding the request be prepared and given at the December 2 meeting. Mr. Boswell and Ms. McQuade agreed to prepare a report for the next Board meeting.

[4] For the comments submitted on May 22 regarding the meeting held on April 26, Columbia Distribution Companies, Williams Gas Pipeline, Semco Energy Gas Company, Skipping Stone, and CMS Energy responded with written comments in addition to comments submitted previously by Reliant Energy and Wisconsin Public Service Company – all of which are posted on the GISB web site.

DECEMBER 2 BOARD MEETING:

On December 2, 1999, the Board was informed by its general counsel that his opinion was that development of retail standards for natural gas is within the current scope of GISB, but development of standards for the electric market is not. A report was given to the Board outlining discussions held with several associations and government agencies. Most of the discussions were supportive of industry activity to develop standards for the retail market, and there were comments made on need to develop electricity standards for the wholesale market. After general discussion, the Board adopted two resolutions:

- GISB should propose and facilitate a broad based meeting, involving gas and electric industry representation, regarding the need and support for an organization whose role would be to develop wholesale and retail electric and gas standards, and
- GISB should establish a committee to recommend to the Board at the March meeting a course of action and revised governance documents which would accommodate the development of electric and gas wholesale and retail standards.

The board task force was convened, chaired by Jim Templeton, and composed of members representing all segments currently identified in GISB's charter. Working with the Department of Energy, GISB facilitated an industry wide meeting, hosted by the Department of Energy on February 14, 2000.

FEBRUARY 14 DOE MEETING:

Through the speakers' comments and comments made from the floor at the meeting, and written comments submitted to the GISB office, there was a clear consensus, although not unanimous, that retail market standards for gas and electricity be developed on a national basis. Although representatives of a number of segments of the industry offered comments, there were only limited comments from gas local distribution companies and electric utilities. Also, there was only limited discussion of development of wholesale electric standards on a national basis. The attendees at the meeting were asked to forward any comments or reactions to the meeting to the GISB office by February 25, 2000.

Through the comments received and discussions, several state commissioners noted their support for retail standards to be developed or

maintained through an organization such as GISB, and others supported that these standards be developed or coordinated on a national basis. Illinois, Pennsylvania, New York, Texas, Ohio and Massachusetts have all made comments on the need for retail standards.

The focus of the meeting was whether standards should be developed, not who should develop them. Nevertheless, given the context of the discussion and the clear consensus that developing national standards is a worthy pursuit for both the gas and electric utilities, the discussion at times touched, at least peripherally, on who should develop the standards and what characteristics the standard-setting body should have. In this vein, some of the points that were made were:

- No segment of the industry should be disenfranchised from the process of developing the standards – balanced voting is needed to prevent one segment from "stacking the deck" by sending many more participants to a meeting then other segments can afford to match.
- What is deemed as "consensus" today for work products produced by other groups may not hold up when re-opened in a setting where all segments have balanced voting rights. The prospect that this could occur was characterized by some as "slowing down the process" or "re-trading the deal." Others characterized it as a necessary rite of passage in order to gain broader consensus by having balanced groups review and determine levels of support for the work products.
- GISB was recognized by several groups – state regulators, federal agencies, service segment participants and end users – for its fairness in process and its track record and experience in developing, maintaining and publishing standards. Several groups also noted that GISB does not have direct experience in development of standards for the retail market or for the electricity market. It was also noted that GISB standards are not available for free unless you are a member.
- There were several questions regarding what is a "standard" and whether it would be more feasible to develop "models" or "guidelines" since the retail markets operate under the jurisdiction of the states rather than in the federal arena. Other comments pointed out something stronger than "guidelines" is necessary in order to realize the goals of lower transactional costs, increased market access and greater stability.

BOARD MEETING MARCH 2:

The Board of Directors met on March 2 and reviewed the findings of the comments submitted prior to the meeting, the meeting at the DOE and the comments submitted subsequent to the meeting. After discussion, the following resolutions were adopted by the Board to describe its intent:

- RESOLVED, that the Board of Directors endorses the efforts undertaken at its behest since the December 1999 meeting to determine the level of interest in, and whether and how GISB should expand its focus to address electric and gas wholesale and retail standards, and
- Further RESOLVED, that the Board directs its officers and the task force established in December 1999 to continue open meetings with interested parties from among the energy industry to gather their input and financial and other support, and to prepare drafts of the documents necessary to effectuate any required structural changes, should the Board determine to put them into effect, and
- Further RESOLVED, that the officers and task force shall report back to the Board at its June 2000 meeting regarding their activities and progress.

In addition, the Board noted that:

- Representatives of the Board Task Force should meet with other groups and companies to determine the level of support for GISB to undertake such an effort – both in resource commitments and funding. If the task force is able to obtain commitments of $500,000 in funding from electric industry participants for year 2000, it will recommend that the Board take the actions at the June meeting regarding changes to governance documents and organizational structure to expand GISB's scope and broaden its governance.
- Open meetings should be convened to discuss the governance issues and scope of the standards development to address electric and gas wholesale and retail markets.
- The governance documents should be redlined with necessary changes, particularly with respect to voting procedures, segment representation and name of the organization for both the certificate and the bylaws. As a point of activity, once these changes are approved, consistent changes should be made to the GISB Operating Practices.

- A recommendation to the Board ultimately addressing the CUBR request should be drafted and circulated with ample time for Board consideration prior to a "19/2" vote at the June 8 or subsequent Board meeting.

5. Special Reports

- Mr. Caldwell will provide an update on the EDM Subcommittee efforts towards AS2.
- Mr. Hunsicker will provide an update on the XML Subcommittee efforts.
- Ms. Hess and Ms. Munson will provide an update on the EDD Subcommittee efforts.
- Ms. Corman and Ms. Corcoran will provide an update on the Order 637 Task Force efforts and a timeline. The work papers are attached.

Gas Industry Standards Board
1100 Louisiana, Suite 4925, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: gisb@aol.com
Home Page: www.gisb.org

TO:	GISB Order No. 637 Participants
FROM:	Shelley Corman, co-chair Cynthia Corcoran, co-chair Rae McQuade, Executive Director
RE:	Draft Minutes for the Ad Hoc Group for FERC Order No. 637 – May 24, 2000
DATE:	May 24, 2000

GAS INDUSTRY STANDARDS BOARD
ORDER No. 637 GISB ACTION SUBCOMMITTEE
Teleconference Call
Wednesday, May 24, 2000 – 9:00 a.m. to 11:00 a.m.

DRAFT MINUTES

The committee met on Wednesday and completed work on the work plan, subject to proofing the documents. The 4-25 minutes were approved, with a few modifications to the red-line work plan document that should be attached to the final minutes.

Roll was taken, and the antitrust guidelines were read. The agenda was unanimously approved. We reviewed and drafted modifications to the 4-25 minutes and then they were unanimously approved.

Next we worked on finalizing the workplan document. We added one new item regarding the posting of imbalances. Next we reviewed the impact of Order No. 637-A. We addressed each of the items that was listed as awaiting rehearing. Otherwise there were no additional items added as a result of Order No. 637-A. We also reviewed the cover letter and added a sentence to note the the workplan is a comprehensive list of items to be considered. Not all subcommittee participants agree that action should be taken on particular items, but all agree that the listed items should be discussed by the assigned committees.

No further meetings are scheduled for the subcommittee. The tentative meeting for June 16 is cancelled. It is anticipated that the final workplan document will be circulated (in red-line accepted form) in the next few days. The GISB office will determine whether to hold a special conference call for the EC to review or whether the workplan will be presented at the June EC meeting.

Attendees:

Greg Lander, capacitycenter.com

Joyce Phillips, Pan Alberta

Joe Bianchi, ANR

Bill Griffith, ANR

Dona Gussow, FPL
Jim Keisler, Williams Gas Pipeline
Dale Davis, Williams Gas Pipeline
Randy Young, Koch Midstream
Dean Fowler, Great Lakes
Mark Scheel, Dynegy
Fred Cumminger, Texas Eastern
Karen Gossett, Koch Gateway
Jim Buck, ANR
Gary Payne, Enron Administrative Corp.
Mike Schisler, Kinder Morgan
Theresa Hess, Enron - Transwestern
Cynthia Corcoran, Corcoran Law Offices
Shelley Corman, Enron Gas Pipeline Group

Gas Industry Standards Board
1100 Louisiana, Suite 4925, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: gisb@aol.com
Home Page: www.gisb.org

TO: GISB Executive Committee

FROM: Shelley Corman, co-chair, Order No. 637 Subcommittee
Cynthia Corcoran, co-chair, Order No. 637 Subcommittee

RE: Recommended Actions to Address FERC Order Nos. 637 & 637-A ("Order 637")

DATE:

Dear Executive Committee Members,

Attached please find the list of GISB action items identified in FERC Order No. 637, with recommendations regarding the subcommittee to which they should be assigned and with a priority relative to other Order No. 637 assignments. In addition, we recommend that subcommittees with Order No. 637 action item assignments be given priority in scheduling meetings compared to subcommittees not assigned Order No. 637 action items. Also, Order No. 637 items are to be addressed before all other work of the given subcommittees. It is not the intent of this subcommittee to prescribe an outcome for any of the action items.

The report includes a list of all participants in this subcommittee. Thanks are given to them for assisting in preparing this report.

The GISB office has scheduled a conference call on [date] and [time]. An announcement will be made shortly. At the conference call, the EC will be able to discuss the plan and approve it. To approve this plan and provide the assignments to the specified subcommittees requires a simple majority vote. Thank you for your consideration of this report.

Best Regards,

Cynthia Corcoran, co-chair

Shelley Corman, co-chair

Gas Industry Standards Board
1100 Louisiana, Suite 4925, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: gisb@aol.com
Home Page: www.gisb.org

FERC Order No. 637 GISB Action Items Report to the Executive Committee

May 24, 2000

Category/Action Item		Assigned To	Relative Subcommittee Priority
Capacity Release:			
I.	Review timelines for modifications including accommodation of intraday or partial day capacity releases (Affects GISB Standard No. 5.3.2 and related interpretations).	BPS	7
II.	Review elimination of the restrictions on partial day recalls (Affects GISB Standard Nos. 5.3.6, 5.3.7).	BPS	8
III.	Change data sets to accommodate rates in excess of TSP's max rate. (Affects GISB Standard Nos. 5.4.1, 5.4.2, 5.4.7, 5.4.8, 5.4.9).	BPS	1
Imbalance Netting & Trading			
IV.	Develop imbalance netting and trading data sets and web site display.	EDD	Already underway
Timely Imbalance Information			
V.	Review the EC adopted standards (1999AP7, R97117 & R97118) resulting from the imbalance netting and trading standards to identify any potential inconsistencies with Order No. 637, including any additional provisions needed to accommodate Order No. 637 requirements. Also review possible web site display.	Imbalance Subcommittee	1
Balancing Services			
VI.	Prepare a list of imbalance related code values.	IR	1
VII.	Accommodate 3rd party balancing services interaction with TSPs.	BPS	9

	Category/Action Item	Assigned To	Relative Subcommittee Priority
Transactional Reporting			
VIII.	Review award data set codes and structure for firm and interruptible transportation (FT and IT) reporting (Affects GISB Standard No. 5.4.3).	BPS	3
IX.	Accommodate visual display web pages for FT and IT reporting.	BPS	4
X.	Review and establish a timeline for posting.	BPS	10
Data and Visual Display			
XI.a	Accommodate D-U-N-S® Number and name in Internet postings and their corresponding downloadable files. Add the field for the name in the Internet postings and downloadable files.	IR	3
XI.b	Accommodate D-U-N-S® Number and name in Internet postings and their corresponding downloadable files. Determine what information goes into the data element – either D&B name or TSP name.	Common Codes	1
XII.	Inventory usage or accommodation of agents in existing data sets.	IR	2
XIII.	Review the method for collecting information on the releasing shipper's relationship to the acquiring shipper.	BPS	5
Organizational Postings			
XIV.	Determine placement/navigation for the organizational postings within the Informational Postings section of web sites	EDM	1
Operationally Available Capacity			
XV.	Review the EC adopted standards resulting from request no. R99033 to identify inconsistencies	BPS	2

Category/Action Item		Assigned To	Relative Subcommittee Priority
	with FERC Order No. 637.		
XVI.	Document the extent to which existing informational postings requirements address planned and actual service outages.	EDM	2
XVII.	Accommodate increased frequency of posting for operationally available capacity. (*To be addressed together with item XV*).	BPS	2
Index of Customers			
XVIII	Correctly reflect the FERC order reference and section number (GISB Standard No. 4.3.16) and data element ordering (GISB Standard No. 4.3.35).	BPS	Begin once the FERC issues the revised report format.
Operational Flow Orders			
XIX.	Accommodate reporting of the reasons for and the severity of outages. To accommodate the reporting, there are two issues: (1) where the OFO reporting is placed on the web site and (2) whether the report is standardized for reasons of outage and severity or whether the report is textual (i.e. through the existing informational postings).	BPS	6

Gas Industry Standards Board
1100 Louisiana, Suite 4925, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: gisb@aol.com
Home Page: www.gisb.org

FERC Order No. 637 GISB Action Items Report to the Executive Committee

By Committee and Relative Priority

May 24, 2000

Assigned to/Action Item		Relative Priority
BPS		
III.	Change data sets to accommodate rates in excess of TSP's max rate. (Affects GISB Standard Nos. 5.4.1, 5.4.2, 5.4.7, 5.4.8, 5.4.9).	1
XVII.	Accommodate increased frequency of posting for operationally available capacity. (*To be addressed together with item XV*).	2
XV.	Review the EC adopted standards resulting from request no. R99033 to identify inconsistencies with FERC Order No. 637.	2
VIII.	Review award data set codes and structure for firm and interruptible transportation (FT and IT) reporting (Affects GISB Standard No. 5.4.3).	3
IX.	Accommodate visual display web pages for FT and IT reporting.	4
XIII.	Review the method for collecting information on the releasing shipper's relationship to the acquiring shipper.	5
XIX.	Accommodate reporting of the reasons for and the severity of outages. To accommodate the reporting, there are two issues: (1) where the OFO reporting is placed on the web site and (2) whether the report is standardized for reasons of outage and severity or whether the report is textual (i.e. through the existing informational postings).	6
I.	Review timelines for modifications including accommodation of intraday or partial day capacity releases (Affects GISB Standard No. 5.3.2 and related interpretations).	7

Assigned to/Action Item		Relative Priority
II.	Review elimination of the restrictions on partial day recalls (Affects GISB Standard Nos. 5.3.6, 5.3.7).	8
VII.	Accommodate 3rd party balancing services interaction with TSPs.	9
X.	Review and establish a timeline for posting.	10
XVIII	Correctly reflect the FERC order reference and section number (GISB Standard No. 4.3.16) and data element ordering (GISB Standard No. 4.3.35).	Begin once the FERC issues the revised report format.
Common Codes		
XI.b	Accommodate D-U-N-S® Number and name in Internet postings and their corresponding downloadable files. Determine what information goes into the data element – either D&B name or TSP name.	1
EDD		
IV.	Develop imbalance netting and trading data sets and web site display.	Already underway
EDM		
XIV.	Determine placement/navigation for the organizational postings within the Informational Postings section of web sites	1
XVI.	Document the extent to which existing informational postings requirements address planned and actual service outages.	2
Imbalance Subcommittee		
V.	Review the EC adopted standards (1999AP7, R97117 & R97118) resulting from the imbalance	1

Assigned to/Action Item		Relative Priority
	netting and trading standards to identify any potential inconsistencies with Order No. 637, including any additional provisions needed to accommodate Order No. 637 requirements. Also review possible web site display.	
IR		
VI.	Prepare a list of imbalance related code values.	1
XII.	Inventory usage or accommodation of agents in existing data sets.	2
XI.a	Accommodate D-U-N-S® Number and name in Internet postings and their corresponding downloadable files. Add the field for the name in the Internet postings and downloadable files.	3

6. 2000 Annual Plan

- The subcommittee chairs will review the progress towards the 2000 Annual Plan. The plan is attached.
- Updates will be provided from:
    - Business Practices Subcommittee – Greg Lander, Diane McVicker, Robert McAnally, Kim Van Pelt, Joyce Phillips
    - Information Requirements Subcommittee – Jim Keisler, Dennis LaTour
    - Technical Subcommittee and ANSI Subcommittee – Denise Breeden, Kim Van Pelt
    - Future Technology Task Force – Mike Shahan (Interoperability Survey attached)
    - Contracts Subcommittee – Diane McVicker, Cary Metz

Gas Industry Standards Board
1100 Louisiana, Suite 4925, Houston, Texas 77002
Phone: (713) 356-0060, Fax: (713) 356-0067, E-mail: gisb@aol.com
Home Page: www.gisb.org

GAS INDUSTRY STANDARDS BOARD

2000 ANNUAL PLAN

	ITEM DESCRIPTION	SCHEDULED COMPLETION[1]
	Contracts	
1	Build an electronic contract from the short-term base contract for purchase and sales of natural gas	3rd Qtr
2	Modify the short-term base contract for purchase and sales of natural gas based on several years' use	2nd Qtr
3	Contracts Request No. R98019 – Development of a Standard/Model Long Term Base Contract for Purchase and Sales of Natural Gas	4th Qtr
	Interoperability	
4	Interoperability Survey	1st Qtr
5	Development of standards and modifications of existing standards based on Sandia report	2nd Qtr
6	Review and modify GISB web standards based on interoperability issues	2nd Qtr
7	Review suitability and/or modifications to GISB EDM security standards	4th Qtr
8	AS2 Convergence Project	1st Qtr
	Order 637	
9	Address standardization issues raised in Order 637	TBD

Program of Standards Maintenance & Fully Staffed Standards Work [2]

Business Practice Requests beginning with Capacity Release Requests

Information Requirements and Technical Mapping of Business Practices

Ongoing Interpretations for Clarifying Language Ambiguities

Ongoing Work on Code Values and Other Technical Matters

[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] This work is considered routine maintenance and thus the items are not separately numbered.

GISB Interoperability Survey

ALL responses should refer to PCs that are used to access Customer Activities Websites and/or Informational Posting Websites hereafter referred to as Websites

Please tell us about the PC hardware

1. Approximately how many PCs are used in your company to access Customer Activities Websites? _____

2. Approximately how many PCs are used in your company to access Informational Posting Websites? _____

3. What percentage of all PCs (within your company) is used to access Customer Activities Websites? _____%

4. How old are your PCs?
   ____ % less than 1 year old
   ____ % 1 to 2 years old
   ____ % more than 2 years old

5. How often are PCs replaced with new PCs?
   - ❑ About every ____ years
   - ❑ No set schedule

6. What is the max monitor resolution?

	% Today	in 6 Months
640 x 480		
800 x 600		
1024 x 768		
1280 x 1024		
Higher		

7. What is the resolution actually used?

	%
640 x 480	
800 x 600	
1024 x 768	
1280 x 1024	
Higher	

8. What is the processor speed?

	% Today	in 6 Months
< 166 Mhz		
166-350		
400-600		
> 600		

9. How much Random Access Memory (RAM) is on your PCs?

	% Today	in 6 Months
< 64M		
97 - 128M		
400 - 600		
> 128		

10. How do you connect to the Internet?

	% Today	in 6 Months
Direct connect (T1,ISDN, DSL,etc)		
Dialup		

What is your typical dialup connect speed>

Today	In 6 Months	
		Baud rate

11. Do you have a redundant (failover) Internet connection?
    Yes No

12. Are you using any non-PC devices to access Websites? (PDAs, cell phone browsing, web TV, etc.)

	Today	in 6 Months
Yes		
No		

If yes, what? _____

Please tell us about the PC software (programs)

12. What operating systems are running on your PCs?

	%Today	In 6 Months
Windows		
Linux		
System N (MAC)		
Other		

13. What OS version are you running?

	Today	In 6 Months
Windows		
Linux		
System N (MAC)		
Other		

13. Which Internet browsers are installed on your PCs? (may total more than 100%)

	%Today	In 6 Months
Netscape		
Internet Explorer		
Other		

14. If you entered a percentage for other, please specify: _____

15. What browser version?

	Today	In 6 Months
Netscape		
Internet Explorer		
Other		

16. Have you encountered any conflicts with browser versions and/or plug-ins?
   - ❑ Yes
     - Please explain
       _____
       _____
       _____
       _____
   - ❑ No
   - ❑ Don't know

Please tell us about how you use your PC and the Internet

15. How many different Customer Activity Websites does your average user access?
   - ❑ 1
   - ❑ 2
   - ❑ 3
   - ❑ 4 - 6
   - ❑ 7 - 10
   - ❑ > 10

16. Do your users access multiple Customer Activity Websites and/or Informational Posting Websites at the same time?
   - ❑ No
   - ❑ Yes
     - How many? _____
     - From the same workstation (PC)?
       - ❑ Yes
       - ❑ No

17. Do you have other interoperability issues or concerns about Customer Activities Websites or Informational Posting Websites?
    _____
    _____
    _____
    _____

18. Are you planning to upgrade your PCs in the future? If so, when and what will be the new configuration?
    _____
    _____
    _____
    _____
    _____

Please tell us about yourself. NOTE: This information will only be used to validate this survey and WILL NOT be shared with any other entity. Data will only be reported at a summary level and individual responses will not be identified.

Name: _____

Company: _____

Phone: _____

Email: _____

Your Role: _____

Your Segment
- ❑ End user
- ❑ Producer
- ❑ Pipeline
- ❑ LDC
- ❑ Services
  - Marketer
  - Software Vendor
  - Gas Processor