

Assignments per July 8, 2003 Seams Task Force Meeting

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Seams Issues Matrix

#	Description of Seam Issue	Seam		Seam		Currently Being Addressed ?	Submitter	Reference Papers	Comments
		Interface Type	Region 1	Region 2	Impediment Type				
1	Non Standard Time Zone	All	All	All	Market Rule / Business Practice	No	Phil Cox - AEP	No	The lack of a standard Time Zone causes Market Inefficiencies
2	MaxGen/MaxLoad 345Kv	Other	ECAR	ECAR	Physical	No	Phil Cox - AEP	No	Undersized Transmission Line
3	Definition & treatment of Firm/nonfirm Power	All	All	All	Market Rule / Business Practice	No	Lou Oberski - Dominion Energy	No	Annual Plan Item 4ci moved from MOS
4	Definition & treatment of Firm/nonfirm Transmission	All	All	All	Market Rule / Business Practice	No	Lou Oberski - Dominion Energy	No	Annual Plan Item 4cii moved from MOS
5	Provision of reserves across multiple control areas	All	All	All	Market Rule / Business Practice	No	Lou Oberski - Dominion Energy	No	Annual Plan Item 4cii moved from MOS
6	Transmission Access	All	Non-RTO Market	Non-RTO Market/ISO Market	Market Rule/Business Practice	Yes - Various Transmission Providers	Steven Cobb - SRP	No	No transmission market one stop shopping available for the Western Interconnection - entities can't find needed information to efficiently conduct business on a preschedule or real-time basis. Solution: Common OASIS Site needed.
7	Market Price Information	Non-RTO Mkt to Non-RTO Mkt	Non-RTO Market	Non-RTO Market	Market Rule/Business Practice	No	Steven Cobb - SRP	No	Market pricing methodology not comprehensive, consistent or dependable. Solution: Standardized Indices, Independently Managed.
8	Scheduling	RTO Market to Non-RTO Market	Non-RTO Market	ISO Market	Market Rule/Business Practice	Yes - SSG - WI	Steven Cobb - SRP	No	Inconsistent procedures among entities. Solution: Western Interconnection Standardized Interchange Scheduling Protocols.
9	Transmission Calculations	All	Non-RTO Market	Non-RTO Market/ISO Market	Market Rule/Business Practice	Yes - SSG - WI	Steven Cobb - SRP	No	Transmission calculations are not consistent. Solution: Standardized TTC & ATC Calculations.
10	Energy Products	All	Non-RTO Market	Non-RTO Market/ISO Market	Market Rule/Business Practice	Yes - WECC	Steven Cobb - SRP	No	Entities have disagreements concerning the definitions of various energy products. Solution: Standardized Energy Products.
11	Market Oversight	All	Non-RTO Market/ISO Market	Non-RTO Market/ISO Market	Market Rule/Business Practice	Yes - SSG - WI	Steven Cobb - SRP	No	New and mature markets need oversight to ensure that existing rules are complied with and new rules are adequate in meeting the scenarios they were designed to govern. Solution: Independent Market Auditor or Monitor.
12	Interchange/Intrachange Scheduling Data Exchange	All	Non-RTO Market/ISO Market	Non-RTO Market/ISO Market	Market Rule/Business Practice	Yes - WECC	Steven Cobb - SRP	No	Current E-Tagging process is inadequate for exchanging reliability and market data within the Western Interconnection. Solution: Electronic Scheduling
13	Compensation for Unscheduled Flows of Electricity	All	All	All	Market Rule / Business Practice and Physical	Yes/IIPTF	Mark Lively - Lively Utility	A - C	Lack of compensation lessens incentives for operators to solve problems and for accountants to spend money on metering.
14	Compensation for Inadvertent Interchange	All	All	All	Market Rule / Business Practice and Physical	Yes/IIPTF	Mark Lively - Lively Utility	A - C	Lack of compensation lessens incentives for operators to solve problems and for accountants to spend money on metering.
15	Compensation for Loop Flow	All	All	All	Market Rule / Business Practice and Physical	Yes/IIPTF	Mark Lively - Lively Utility	A - C	Lack of compensation lessens incentives for operators to solve problems and for accountants to spend money on metering.
16	Compensation for Reactive Power	All	All	All	Market Rule / Business Practice and Physical	Yes/IIPTF	Mark Lively - Lively Utility	A - C	Lack of compensation lessens incentives for operators to solve problems and for accountants to spend money on metering.
17	TTC-ATC calculation/posting	Other	HQ TransÉnergie	IMO	Market Rule / Business Practice	No	Victor Bissonnette - HQ TransÉnergie	No	Interface between a financial market (no physical transmission arrangements) and physical transmission regions (selling transmission capacity through OASIS reservations): Problems of TTC-ATC calculations coordination

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18	TTC-ATC calculation/posting	Other	HQ TransÉnergie	NYiso	Market Rule / Business Practice	No	Victor Bissonnette - HQ TransÉnergie	No	Interface between a financial market (no physical transmission arrangements) and physical transmission regions (selling transmission capacity through OASIS reservations): Problems of TTC-ATC calculations coordination
19	TTC-ATC calculation/posting	Other	HQ TransÉnergie	ISO-NE	Market Rule / Business Practice	No	Victor Bissonnette - HQ TransÉnergie	No	Interface between a financial market (no physical transmission arrangements) and physical transmission regions (selling transmission capacity through OASIS reservations): Problems of TTC-ATC calculations coordination
20	TTC coordination	Other	HQ TransÉnergie	NYiso	Market Rule / Business Practice	Yes	Victor Bissonnette - HQ TransÉnergie	No	Disagreement between two operators on the physical capability of an interconnection (line 7040)
21	TTC coordination	Other	HQ TransÉnergie	ISO-NE	Market Rule / Business Practice	Yes	Victor Bissonnette - HQ TransÉnergie	No	Disagreement between two operators on the physical capability of an interconnection (Phase II)
22	Rate pancaking elimination	All	All	All	Market Rule / Business Practice	Yes	Linda Horn - WE Energies	No	Being reviewed by PJM/MISO.
23	How different congestion management methodologies will interact to ensure parallel flows and impacts are recognized and controlled to ensure system reliability.	All	All	All	Physical	Yes	Linda Horn - WE Energies	No	Being reviewed by PJM/MISO.
24	Improve Real Time use of transmission interfaces - regional dispatch coordination	All	All	All	Market Rule / Business Practice	Yes	Linda Horn - WE Energies	No	Being reviewed by PJM/MISO.
25	Need for common market and products and definitions	All	All	All	Market Rule / Business Practice	No	Linda Horn - WE Energies	No	
26	Transmission expansion planning - coordination between systems and determine who is obligated to build and pay for improvements	All	All	All	Market Rule / Business Practice	Yes	Linda Horn - WE Energies	No	Being reviewed by PJM/MISO.
27	See PJM presentation "Status Report to FERC on July 31, 2002 Alliance Order" dated Jan 2003, page 6 as posted under NAESB WEQ Seams subcommittee July 8 date.	All	All	All	Market Rule / Business Practice	Yes	Linda Horn - WE Energies	D	Being reviewed by PJM/MISO.
28	Multiple transmission service charge invoicing	All	All	All	Market Rule / Business Practice	Yes	Linda Horn - WE Energies	No	Being reviewed by PJM/MISO.
29	Allocation of transmission capacity on reciprocal flow gates amounts to transmission service without compensation. Legitimizes "parallel loop flow".	RTO Market to RTO Market	MISO	PJM	Market Rule / Business Practice		Dave Nick - DTE Energy	E	
30	Market allocations over flow gates are approved without regard to flow gate capacity resulting in over subscription of flow gates.	RTO Market to RTO Market	MISO	PJM	Market Rule / Business Practice		Dave Nick - DTE Energy	E	
31	MISO- PJM will do their own flowgate contribution analysis and send to NERC IDC if the 5% threshold is exceeded for an individual generator. IDC will not have complete information.	RTO Market to RTO Market	MISO	PJM	Market Rule / Business Practice		Dave Nick - DTE Energy	E	

Seams Issues Matrix

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32	MISO- PJM market allocation will give preference to the market as Network over PTP even though the Market allocation may be a non paying transmission customer.	RTO Market to RTO Market	MISO	PJM	Market Rule / Business Practice		Dave Nick - DTE Energy	E	
33	Standard for Purchasing of Interhour Transmission	All	All	All	Market Rule / Business Practice	No	Tony Reed - Southern	No	The ability to purchase transmission after the top of the hour when the transmission service is predetermined as available in prior hour.
34	Clarification of Product Definitions	All	All	All	Market Rule / Business Practice	No	Tony Reed - Southern	No	Complete/Standard definitions for Liquidated Damages (LD), "Into", etc.
35	LMP prices at borders of RTOs with markets	RTO Market to RTO Market	All RTOs with market	All RTOs with market	Market Rule / Business Practice		Raj Rana - AEP	No	
36	Coordination of market based congestion hedging instruments, such as FTRs, between adjacent RTOs with markets, especially for out and thr' transactions	RTO Market to RTO Market	All RTOs with market	All RTOs with market	Market Rule / Business Practice		Raj Rana - AEP	No	
37	No seams issues in Southeast.	Southeast	Southeast	Southeast	None		Ed Davis - Energy	No	
38	Rate Pancaking	All	NYISO	RTO	Market Rule / Business Rule	Yes	Marjorie Perlman - Energy East	No	Charges to Market Participants who conduct business over more than one RTO. Reciprocal agreements needed to eliminate these charges. NYISO and ISO-NE
39	Controllable Line Scheduling	All	NYISO	RTO	Market Rule / Business Rule	Yes	Marjorie Perlman - Energy East	No	Concept of operations for general methodology to schedule controllable lines between RTOs. Being reviewed by NYISO
40	Multiple Proxy Buses for Free Flowing Interfaces	All	NYISO	RTO	Market Rule / Business Rule	Yes	Marjorie Perlman - Energy East	No	Development of multiple proxy buses between RTOs for scheduling and pricing.
41	Scheduling of Load	All	NYISO	RTO	Market Rule / Business Rule	Yes	Marjorie Perlman - Energy East	No	RTOs have different ramp rates and scheduling requirements that require Market Participants to complete multiple submissions for the same transaction.
42	Data Visibility	All	NYISO	RTO	Market Rule / Business Rule	Yes	Marjorie Perlman - Energy East	No	Inability to view neighboring markets information through a common software such that this sometimes hinders Market Participants ability to complete business in a timely fashion.
43	Allow Sharing Contract Tie Capacity between Entities across Seams	All	All	All	Market Rule / Business Practice	Limited	Carl Monroe, Southwest Power Pool	No	Lack of Coordination and Sharing of Tie Capacity is an artificial market barrier
44	Calculation and Values of TRM and CBM consistent	All	All	All	Market Rule / Business Practice	Limited	Carl Monroe, Southwest Power Pool	F	Underutilization of Transmission Capacity
45	Coordination of Transmission and Generation Outages	All	All	All	Physical	Limited	Carl Monroe, Southwest Power Pool	No	Both forced and planned outages
46	Generation Interconnection Studies	All	All	All	Physical	Limited	Carl Monroe, Southwest Power Pool	No	Generation Interconnections close to seam affects both areas
47	Operational Model Updates	All	All	All	Physical	Limited	Carl Monroe, Southwest Power Pool	No	Areas must have up to date models for operational use of other areas across the seam
48	Communication of Computer Failures	All	All	All	Physical	Limited	Carl Monroe, Southwest Power Pool	No	Needed for reliable operations and emergency operations
49	Emergency Procedures	All	All	All	Physical	Limited	Carl Monroe, Southwest Power Pool	No	Emergency procedures require operations across seams

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#	Description of Seam Issue	Seam Interface Type	Region 1	Region 2	Seam Impediment Type	Currently Being Addressed ?	Submitter	Reference Papers	Comments
50	Schedule Ramp Management	All	All	All	Market Rule / Business Practice	Limited	Carl Monroe, Southwest Power Pool	No	Ramping standard differences across the seams hinder business
51	Resource Adequacy	All	All	All	Physical	Limited	Carl Monroe, Southwest Power Pool	No	Parties in one area rely on resources in other areas. Validation of their reliance on the other area must be coordinated.
52	Confidentiality of Data and Information Shared	All	All	All	Market Rule / Business Practice	Limited	Carl Monroe, Southwest Power Pool	No	Standards of Confidentiality would enhance the capability to resolve data sharing and information posting

#	Reference Paper or Supporting Document Provided
A	"Profit-Enhancing Seam Management: A White Paper on Pricing The Unscheduled Flows of Electricity Across the Seams Between Utilities Using A Geographically Differentiated Auction of Inadvertent Interchange", released 2001 March 25 (Mark Lively - Lively Utility).
B	"WOLF: Wide Open Load Following," A presentation to the NERC Market Interface Committee, 2002 September 4-5, Houston, Texas (Mark Lively - Lively Utility).
C	E-Mail by Mark Lively to NAESB WEQ Seams Subcommittee of 9/4/2003 8:28:10 PM Eastern Standard Time (Mark Lively - Lively Utility).
D	See the PJM/MISO JOA dated 8/5/03 (Linda Horn - WE Energies).
E	MISO - PJM Managing Congestion to Address Seam Paper, April 28 2003 (Dave Nick - DTE Energy).
F	NERC ?? (Carl Monroe, Southwest Power Pool)