

Orig #	Category	1ST Sub-Category	2ND Sub-Category	Description of Seam Issue	Resp Org WEQ EC	NERC Choice	Issue Type	Resp Org JIC	Priority	Currently Being Addressed	Submitter
36	Congestion Management	Congestion Management Market Coordination	Coordinate Hedging Instruments at Market Interfaces	Coordination of market based congestion hedging instruments, such as FTRs, between adjacent RTOs with markets, especially for out and thru transactions	NAESB	NAESB	National	Undecided	3		Raj Rana - AEP
35	Congestion Management	Congestion Management Market Coordination	Standardize Prices at Market Interfaces	Locational Marginal Prices (LMP) at borders of RTOs with markets (Price cap included)	NAESB	NAESB	National	Undecided	3		Raj Rana - AEP
138	Congestion Management	Congestion Management Market Coordination		Coordination of congestion	NAESB	NAESB	National	NAESB	2	Yes	Karl Tammar - ISO/RTO Council
9	Congestion Management	Standardize and Coordinate ATC Calculations and Postings		Transmission Calculations	NAESB	MERC	National	Undecided	1	Yes - SSG - WI	Steven Cobb - SRP
113	Market Design	Green Power Market		Green power attributes trading	NAESB	NAESB	National	Undecided	3	In Northeast Power Markets Seams Action Plan	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)
16	Market Design	Transmission Ancillary Service Market Design and Coordination	Reactive Power Compensation	Compensation for Reactive Power	NAESB	NAESB	National	Undecided	3	Yes /IIPTF	Mark Lively - Lively Utility
13	Market Design	Unscheduled/Parallel Path Flow Management	Compensation for Unscheduled/Parallel Path Flow	Compensation for Unscheduled Flows of Electricity	NAESB	MERC	National	Undecided	3	Yes /IIPTF	Mark Lively - Lively Utility
15	Market Design	Unscheduled/Parallel Path Flow Management	Compensation for Unscheduled/Parallel Path Flow	Compensation for Loop Flow	NAESB	MERC	National	Undecided	3	Yes /IIPTF	Mark Lively - Lively Utility
29	Market Design	Unscheduled/Parallel Path Flow Management	Compensation for Unscheduled/Parallel Path Flow	Allocation of transmission capacity on reciprocal flow gates amounts to transmission service without compensation. Legitimizes "parallel loop flow".	NAESB	MERC	National	Undecided	3		Dave Nick - DTE Energy
134	Market Design	Unscheduled/Parallel Path Flow Management	Compensation for Unscheduled/Parallel Path Flow	Compensation for parallel flows	NAESB	NAESB	National	NAESB	3	In PJMMISO Congestion Management Proposal Whitepaper	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)

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142	Market Design	Unscheduled/Parallel Path Flow Management	Compensation for Unscheduled/Parallel Path Flow	Pricing for native load loop flow impacts	Multiple	Multiple	Regional	Multiple	3	No	Ed Davis - Energy
11	Market Monitoring/ Compliance	Market Monitoring Entity Requirements		Market Oversight	Multiple	Multiple	Regional	Multiple	2	Yes - SSG - WI	Steven Cobb - SRP
3	Market Standards	Energy Market Standard Product Definitions		Definition & treatment of Firm/nonfirm Power	NAESB	all	National	Undecided	1	No	Lou Oberski - Dominion Energy
10	Market Standards	Energy Market Standard Product Definitions		Energy Products	NAESB	NAESB	National	NAESB	1	Yes - WECC	Steven Cobb - SRP
25	Market Standards	Energy Market Standard Product Definitions		Need for common physical market and products - regional variations permitted	NAESB	NAESB	National	NAESB	1	No	Linda Horn - WE Energies
34	Market Standards	Energy Market Standard Product Definitions		Clarification of Product Definitions	NAESB	NAESB	National	NAESB	1	No	Tony Reed - Southern
139	Market Standards	Energy Market Standard Product Definitions		Standard definition of energy products	NAESB	NAESB	National	NAESB	1	Yes	Karl Tammar - ISO/RTO Council
42	Market Standards	Market Standard Communication Protocols and Transparency		Data Visibility	NAESB	NAESB	National	NAESB	1	Yes	Marjorie Perlman - Energy East
52	Market Standards	Market Standard Communication Protocols and Transparency		Confidentiality of Data and Information Shared	NAESB	NAESB	National	NAESB	2	Limited	Carl Monroe, Southwest Power Pool
140	Market Standards	Market Standard Communication Protocols and Transparency		Standard messaging protocols for market notifications	NAESB	NAESB	National	NAESB	1	No	Karl Tammar - ISO/RTO Council
1	Market Standards	Market Standard Operating Time		Non Standard Time Zone	NAESB	NAESB	National	NAESB	2	No	Phil Cox - AEP
14	Market Standards	Physical and/or Financial Resolution of Inadvertent Interchange		Compensation for Inadvertent Interchange	NAESB	NAESB	National	NAESB	3	Yes / IIPTF	Mark Lively - Lively Utility

Seams Issues Matrix
(As Adopted at JIC Meeting, Feb. 18-19, 2004)

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46	Planning	Transmission Expansion and Generator Interconnection Coordination	Generator Interconnection - Affected Systems	Generation Interconnection Studies	NAESB	all	National	Undecided	3	Limited	Carl Monroe, Southwest Power Pool
57	Planning	Transmission Expansion and Generator Interconnection Coordination	Generator Interconnection Transmission Requirements	Transmission interconnection procedures	Multiple	Multiple	Regional	Multiple	3	Northeast ISO	Joe Rossignoli - National Grid
114	Planning	Transmission Expansion and Generator Interconnection Coordination	Interregional Transmission Planning Procedures	Coordination of interregional planning including transmission facilities and generator interconnection procedures	Multiple	NERC	Regional	Undecided	3	In Northeast Power Markets Seams Action Plan	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)
26	Planning	Transmission Expansion and Generator Interconnection Coordination	Transmission Expansion Cost and Construction Responsibilities	Transmission expansion planning - coordination between systems and determine who is obligated to build and pay for improvements	Multiple	Multiple	Regional	Multiple	3	Yes	Linda Horn - WE Energies
50	System Reliability	Generation-Load Balance	Interchange Schedule Ramping Requirements	Schedule Ramp Management	NAESB	NERC	National	Undecided	2	Limited	Carl Monroe, Southwest Power Pool
12	Transaction Scheduling	Interchange Scheduling Standardized Protocols	Develop Electronic Scheduling	Interchange/Intrachange Scheduling Data Exchange	NAESB	NAESB	National	NAESB	1	Yes - WECC	Steven Cobb - SRP
41	Transaction Scheduling	Interchange Scheduling Standardized Protocols	Inter-Market Ramping Requirements Standardization	Scheduling Coordination (including Ramp Rates)	NAESB	NERC	National	Undecided	2	Yes	Marjorie Perlman - Energy East
79	Transaction Scheduling	Interchange Scheduling Standardized Protocols	Standardize Inter-Market Scheduling Timelines	Market Design - Day Ahead. Other Scheduling Requirements	NAESB	NAESB	National	NAESB	1	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA
78	Transaction Scheduling	Interchange Scheduling Standardized Protocols	Tools and Procedures to Accommodate Inter-Market Interchange Scheduling Requirements	Market Design - Day Ahead. Schedule Components	NAESB	all	National	Undecided	1	SSG-WI, CMA Work Group	Syd Berwager - Bonneville PA
8	Transaction Scheduling	Interchange Scheduling Standardized Protocols		Scheduling	Multiple	Multiple	Regional	Multiple	1	Yes - SSG - WI	Steven Cobb - SRP
104	Transaction Scheduling	Interchange Scheduling Standardized Protocols		Transmission Checkout Failure - Operators curtail transactions due to mismatched leg data, different MW volumes, etc. The curtailment of transactions due to data incompatibility is disruptive to both the marketplace and the reliable operation of the grid.	NAESB	NAESB	National	NAESB	2	In Northeast Power Markets Seams Action Plan	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)
106	Transaction Scheduling	Interchange Scheduling Standardized Protocols		Transaction Scheduling - Inconsistent information and market timing rules lead to uncertainty and risk that discourage the scheduling of some inter-regional transactions.	NAESB	NAESB	National	NAESB	1	In Northeast Power Markets Seams Action Plan	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)
4	Transmission Service	Transmission Market Standard Product Definitions and Priorities		Definition & treatment of Firm/nonfirm Transmission	NAESB	all	National	Undecided	1	No	Lou Oberski - Dominion Energy

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103	Transmission Service	Transmission Market Standard Product Definitions and Priorities		Transmission Service - Market participants require consistent treatment of transmission products across multiple control areas to reduce perceived market risk, scheduling confusion and uncertainty.	NAESB	NAESB	National	NAESB	1	In Northeast Power Markets Seams Action Plan	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)
141	Transmission Service	Transmission Market Standard Product Definitions and Priorities		Replacement of contract path with flow-based transmission service	Multiple	Multiple	Regional	Multiple	3	No	Ed Davis - Entergy
117	Transmission Service	Transmission Service Procurement	Common Reservation System for Market Interface Transmission ATC	Contract Tie Capacity - One Stop Shopping	NAESB	NAESB	Regional	NAESB	1	No	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)
6	Transmission Service	Transmission Service Procurement	Common Western Interconnection Wide OASIS	Transmission Access	Multiple	NAESB	Regional	Undecided	1	Yes - Various Transmission Providers	Steven Cobb - SRP
33	Transmission Service	Transmission Service Procurement	Intra-Hour Transmission Service Procurement	Standard for Purchasing of Intra-Hour Transmission	NAESB	NAESB	National	NAESB	1	No	Tony Reed - Southern
67	Transmission Service	Transmission Service Procurement	Secondary Transmission Service Market Standardization	Market Design - Prior to Day Ahead. Primary Release Mechanism	Multiple	Multiple	Regional	Multiple	1	SSG-WI, CMA Work Group	Syd Benwager - Bonneville PA
28	Transmission Service	Transmission Service Settlement	Consolidate Multiple Market Transmission Service Settlement Statements	Multiple transmission service charge invoicing	NAESB	NAESB	National	NAESB	2	Yes	Linda Horn - WE Energies