

Orig #	Category	1ST Sub-Category	2ND Sub-Category	Description of Seam Issue	Comments	Resp Org WEO EC	Issue Type	Resp Org JIC	Currently Being Addressed	Submitter	Consumers Priorities	Energy Priorities	IRC Priorities	ITC Priority	PSEG Priority	ATC Priority	SRP Priorities	WE Energy Priority	Priority Totals
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	National	Undecided		Raj Rana - AEP	1	2	3	1	1	1	3	1	13
35	Congestion Management	Congestion Management Market Coordination	Standardize Prices at Market Interfaces	Local/Regional Market Price (LMP) at borders of RTOs with markets (Price cap included)		NAESB	National	Undecided		Raj Rana - AEP	1	2	3	1	1	1	3	1	13
138	Congestion Management	Congestion Management Market Coordination		Several regional efforts are underway. Coordinate practices and methods between areas with different market approaches.		NAESB	National	NAESB	Yes	Karl Tammar - ISO/RTO Council	1	2	2	1	1	2	2	1	12
9	Congestion Management	Standardize and Coordinate ATC Calculations and Postings		Transmission calculations are not consistent. Solution: Standardized ATC Calculations.		NAESB	National	Undecided	Yes - SSG - WI	Steven Cobb - SRP	3	3	2	1	1	1	1	2	14
113	Market Design	Green Power Market		Green power attributes trading		NAESB	National	Undecided	In Northeast Power Markets (PSEG), and Seams Action Plan	Jeff Mueller - Andy Rodriguez (PJM)	3	3	3	2	3	2	3	2	21
16	Market Design	Transmission Ancillary Services Market Design and Coordination	Reactive Power Compensation	Compensation for Reactive Power	Lack of compensation lessens incentives for investment in reactive power. Solution: Standardized Energy Products	NAESB	National	Undecided	Yes / IIPTF	Mark Levely - Lively Utility	3	3	3	1	1	2	3	2	18
11	Market Monitoring/Compliance	Market Monitoring Entity Requirements		Market Oversight	New and future markets need oversight with new rules are adequate in meeting the scenario they were designed to govern. Solution: Independent Market Auditor or Monitor.	Multiple	Regional	Multiple	Yes - SSG - WI	Steven Cobb - SRP	3	2	3	2	3	2	2	2	19
10	Market Standards	Energy Market Standard Product Definitions		Energy Products	Entities have disagreements concerning the definition of Energy Products. Solution: Standardized Energy Products	NAESB	National	NAESB	Yes - WECC	Steven Cobb - SRP	3	2	1	1	2	1	1	2	14
3	Market Standards	Energy Market Standard Product Definitions		Definition & treatment of Firm/interim Power	Annual Plan Item 4c moved from MOS	NAESB	National	Undecided	No	Low Orenski - Dominion Energy	3	2	1	2	2	1	1	2	14
25	Market Standards	Energy Market Standard Product Definitions		Need for common physical market and products regional variations permitted		NAESB	National	NAESB	No	Linda Horn - WE Energies	3	2	1	2	2	1	1	2	14
34	Market Standards	Energy Market Standard Product Definitions		Clarification of Product Definitions	Complete Standard definitions for Liquidated Damages (LD), "Incr", etc.	NAESB	National	NAESB	No	Tony Reed - Southern	3	2	1	2	2	1	1	2	14
139	Market Standards	Energy Market Standard Product Definitions		Standard definition of energy products	Energy products and services have common attributes in all markets. Standard definitions will improve efficiency in communicating and operating between areas with various market definitions.	NAESB	National	NAESB	Yes	Karl Tammar - ISO/RTO Council	3	2	1	2	2	1	1	2	14
42	Market Standards	Market Standard Communication Protocols and Transparency		Data Viability	Market participants need to have a timely fashion.	NAESB	National	NAESB	Yes	Maigorie Periman - Energy East	2	3	1	2	1	2	1	2	14
52	Market Standards	Market Standard Communication Protocols and Transparency		Confidentiality of Data and Information Shared	Standards of Confidentiality would be necessary to receive data shared and submitted.	NAESB	National	NAESB	Limited	Carl Monroe, Robert Power Pool	2	3	3	2	1	1	2	1	15
140	Market Standards	Market Standard Communication Protocols and Transparency		Standard messaging protocols for market notifications	Market participants will benefit from common messaging protocols.	NAESB	National	NAESB	No	Karl Tammar - ISO/RTO Council	3	3	1	2	2	2	1	2	16
1	Market Standards	Market Standard Operating Time		Non Standard Time Zone	The lack of a standard Time Zone caused Market Inefficiencies	NAESB	National	NAESB	No	Phil Cox - AEP	3	2	2	1	2	2	2	1	15
14	Market Standards	Physical and/or Financial Interchange		Compensation for Imbalance Interchange	Lack of compensation lessens incentives for operators to provide product. Expect market participants to have a standard definition of other products, in that such compensation ensures that the defined product is delivered.	NAESB	National	NAESB	Yes / IIPTF	Mark Levely - Lively Utility	3	3	1	2	1	2	3	1	16
46	Planning	Transmission Expansion and Generator Interconnection Coordination	Generator Interconnection - Affected Systems	Generator Interconnection Studies	Generator interconnectors close to seam affects both areas	NAESB	National	Undecided	Limited	Carl Monroe, Southern Power Pool	3	2	3	3	1	1	3	1	17
57	Planning	Transmission Expansion and Generator Interconnection Coordination	Generator Interconnection Transmission Requirements	Generator Interconnection Procedures	Need consistent approach to treating merchant generation interconnection procedures with transmission	Multiple	Regional	Multiple	Northeast ISO	Joe Rossgroff - National Grid	3	2	3	3	3	1	3	2	20
114	Planning	Transmission Expansion and Generator Interconnection Coordination	Interregional Transmission Planning Procedures	Coordination of interregional planning including transmission facilities and generator interconnection procedures		Multiple	Regional	Undecided	In Northeast Seams Action Plan	Jeff Mueller - Andy Rodriguez (PJM)	3	2	3	3	1	1	3	2	18

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		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	Transmission expansion planning - coordination between systems and determine who is obligated to build and pay for improvements	Being reviewed by PJM/MISO.	Multiple	Yes	Linda Horn - WE Energies															3
50	System Reliability	Generation Load Balance	Interchange Scheduling Requirements	Schedule Ramp Management	Interchange Scheduling Requirements	Develop Electronic Scheduling Exchange	Interchange Scheduling Standardized Protocols	Being reviewed by PJM/MISO.	Multiple	Unlabeled	Limited	Yes - WEGC	Carrollmore, Power Pool	3	2	2	3	3	1	1	2	1	15	
12	Transmission Scheduling	Interchange Scheduling Standardized Protocols	Develop Electronic Scheduling Exchange	Interchange Scheduling Requirements	Interchange Scheduling Requirements	Develop Electronic Scheduling Exchange	Interchange Scheduling Standardized Protocols	Current E.T. tagging process is inadequate for exchanging reliability and market data within the Western Interconnection. Solution: Electronic Scheduling	Multiple	N/AESB	Yes - WEGC	Yes - WEGC	Stevan Cobb - SRP	3	2	1	2	2	3	2	1	1	15	
41	Transmission Scheduling	Interchange Scheduling Standardized Protocols	Inter-Market Ramping Requirements Standardization	Scheduling Coordination (including Ramp Rates)	Inter-Market Ramping Requirements Standardization	Scheduling Coordination (including Ramp Rates)	Interchange Scheduling Standardized Protocols	WEGCs have different ramp rates and charging protocols. Market Participants to complete multiple submissions for the same transaction.	Multiple	Unlabeled	Yes	Yes	Majors, Power Energy East	2	2	1	3	3	1	1	2	1	14	
79	Transmission Scheduling	Interchange Scheduling Standardized Protocols	Standardize Inter-Market Scheduling Timelines	Market Design - Day Ahead, Other Scheduling Requirements	Standardize Inter-Market Scheduling Timelines	Market Design - Day Ahead, Other Scheduling Requirements	Interchange Scheduling Standardized Protocols	Should the time intervals and submission times be synchronized to mitigate issues to non-RTIO trader? (Issue lb.12)	Multiple	N/AESB	SSG-WI, CMA Work Group	SSG-WI, CMA Work Group	Syd Beneweger - Bonneville PA	2	2	1	2	3	1	3	1	1	13	
78	Transmission Scheduling	Interchange Scheduling Standardized Protocols	Tools and Procedures to Accommodate Inter-Market Interchange Scheduling Requirements	Market Design - Day Ahead, Schedule Components	Tools and Procedures to Accommodate Inter-Market Interchange Scheduling Requirements	Market Design - Day Ahead, Schedule Components	Interchange Scheduling Standardized Protocols	Can tools be developed for scheduling submission that assist the user in meeting any differences in protocols between RTIOs? (Issue lb.11)	Multiple	Unlabeled	Yes - WEGC	Yes - WEGC	Syd Beneweger - Bonneville PA	2	2	1	2	3	1	3	1	2	14	
106	Transmission Scheduling	Interchange Scheduling Standardized Protocols	Transmission Scheduling - Inconsistent information and market timing rules lead to uncertainty and confusion in scheduling of some inter-regional transactions.	Scheduling	Transmission Scheduling - Inconsistent information and market timing rules lead to uncertainty and confusion in scheduling of some inter-regional transactions.	Scheduling	Interchange Scheduling Standardized Protocols	Inconsistent procedures among entities. Solution: Western Interconnection Standardized Interchange Scheduling Protocols.	Multiple	N/AESB	In Northeast Power Markets Seams Action Plan	In Northeast Power Markets Seams Action Plan	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	2	2	1	2	3	1	3	1	2	14	
104	Transmission Scheduling	Interchange Scheduling Standardized Protocols	Transmission Check-out Failure - Operators curb transactions due to mismatched tag data, differ MW volumes, etc. The curtailment of transactions due to data incompatibility is causing market inefficiency and the reliability operation of the grid.	Scheduling	Transmission Check-out Failure - Operators curb transactions due to mismatched tag data, differ MW volumes, etc. The curtailment of transactions due to data incompatibility is causing market inefficiency and the reliability operation of the grid.	Scheduling	Interchange Scheduling Standardized Protocols	Inconsistent procedures among entities. Solution: Western Interconnection Standardized Interchange Scheduling Protocols.	Multiple	N/AESB	Yes - SSG - WI	Yes - SSG - WI	Stevan Cobb - SRP	2	2	1	2	3	3	1	2	2	16	
8	Transmission Scheduling	Interchange Scheduling Standardized Protocols	Transmission Service - Market participants require consistent treatment of transmission products across multiple control areas to reduce perceived market risk, scheduling confusion and Definition & treatment of Firm/confirm Transmission	Transmission Service - Market participants require consistent treatment of transmission products across multiple control areas to reduce perceived market risk, scheduling confusion and Definition & treatment of Firm/confirm Transmission	Transmission Service - Market participants require consistent treatment of transmission products across multiple control areas to reduce perceived market risk, scheduling confusion and Definition & treatment of Firm/confirm Transmission	Transmission Service - Market participants require consistent treatment of transmission products across multiple control areas to reduce perceived market risk, scheduling confusion and Definition & treatment of Firm/confirm Transmission	Interchange Scheduling Standardized Protocols	Inconsistent procedures among entities. Solution: Western Interconnection Standardized Interchange Scheduling Protocols.	Multiple	N/AESB	No	No	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	1	2	1	2	1	1	1	1	1	10	
4	Transmission Service	Transmission Market Standard Product Definitions and Priorities	Transmission Market Standard Product Definitions and Priorities	Replacement of contract path with flow-based transmission service	Transmission Market Standard Product Definitions and Priorities	Replacement of contract path with flow-based transmission service	Interchange Scheduling Standardized Protocols	Inconsistent procedures among entities. Solution: Western Interconnection Standardized Interchange Scheduling Protocols.	Multiple	N/AESB	Annual Plan Item 4ca moved from MOS	Annual Plan Item 4ca moved from MOS	Lou Oberkell - Dominion Energy	1	2	1	2	2	2	1	2	1	2	13
141	Transmission Service	Transmission Market Standard Product Definitions and Priorities	Transmission Market Standard Product Definitions and Priorities	Replacement of contract path with flow-based transmission service	Transmission Market Standard Product Definitions and Priorities	Replacement of contract path with flow-based transmission service	Interchange Scheduling Standardized Protocols	Inconsistent procedures among entities. Solution: Western Interconnection Standardized Interchange Scheduling Protocols.	Multiple	N/AESB	No	No	Ed Davis - Entergy	3	2	1	1	3	1	3	2	2	16	
117	Transmission Service	Transmission Service Procurement	Common Reservation System for Market Interface Transmission ATC	Contract Tie Capacity - One Stop Shopping	Transmission Service Procurement	Contract Tie Capacity - One Stop Shopping	Interchange Scheduling Standardized Protocols	Inconsistent procedures among entities. Solution: Western Interconnection Standardized Interchange Scheduling Protocols.	Multiple	N/AESB	No	No	Jeff Mueller (PSEG), and Andy Rodriguez (PJM)	3	3	2	2	1	2	1	2	2	16	
6	Transmission Service	Transmission Service Procurement	Common Reservation System for Market Interface Transmission ATC	Transmission Access	Transmission Service Procurement	Transmission Access	Interchange Scheduling Standardized Protocols	Inconsistent procedures among entities. Solution: Western Interconnection Standardized Interchange Scheduling Protocols.	Multiple	Unlabeled	Yes - Various Transmission Providers	Yes - Various Transmission Providers	Stevan Cobb - SRP	3	3	2	1	3	2	1	2	2	17	
33	Transmission Service	Transmission Service Procurement	Common Reservation System for Market Interface Transmission ATC	Standard for Purchasing of Intra-Hour Transmission	Transmission Service Procurement	Standard for Purchasing of Intra-Hour Transmission	Interchange Scheduling Standardized Protocols	Inconsistent procedures among entities. Solution: Western Interconnection Standardized Interchange Scheduling Protocols.	Multiple	N/AESB	No	No	Tim Reed - Southern	3	3	2	2	2	2	1	3	3	18	
67	Transmission Service	Transmission Service Procurement	Secondary Transmission Service Market Standardization	Market Design - Prior to Day Ahead, Primary Release Mechanism	Transmission Service Procurement	Market Design - Prior to Day Ahead, Primary Release Mechanism	Interchange Scheduling Standardized Protocols	Inconsistent procedures among entities. Solution: Western Interconnection Standardized Interchange Scheduling Protocols.	Multiple	N/AESB	SSG-WI, CMA Work Group	SSG-WI, CMA Work Group	Syd Beneweger - Bonneville PA	3	2	2	2	3	3	1	3	3	19	
28	Transmission Service	Transmission Service Settlement Statements	Consolidate Multiple Market Transmission Service Settlement Statements	Multiple transmission service charge invoicing	Transmission Service Settlement Statements	Multiple transmission service charge invoicing	Interchange Scheduling Standardized Protocols	Inconsistent procedures among entities. Solution: Western Interconnection Standardized Interchange Scheduling Protocols.	Multiple	N/AESB	Yes	Yes	Linda Horn - WE Energies	2	3	2	3	3	1	2	2	1	17	
13	Market Design	Unscheduled/Parallel Path Flow Management	Compensation for Unscheduled/Parallel Path Flow	Compensation for Unscheduled/Parallel Path Flow	Unscheduled/Parallel Path Flow Management	Compensation for Unscheduled/Parallel Path Flow	Market Design	Being reviewed by PJM/MISO.	Multiple	Unlabeled	Yes / IIP/TF	Yes / IIP/TF	Mark Lively - Lively Utility	2	3	2	1	2	1	3	2	2	16	

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15	Market Design	Unscheduled/Parallel Path Flow Management	Compensation for Unscheduled/Parallel Path Flow	Compensation for Loop Flow	Lack of compensation lessens incentives for operators to solve problems and for accountants to spend money on metering.	NAESB	National	Undecided	Yes / I/PTF	Mark LeVelly - Lively Utility	2	3	2	1	2	1	3	2	16
20	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	National	Undecided		Dave Nick - DTE Energy	3	3	2	1	2	1	3	2	17
134	Market Design	Unscheduled/Parallel Path Flow Management	Compensation for Unscheduled/Parallel Path Flow	Compensation for parallel flows		NAESB	National	NAESB	In P.M.M.I.S.O. Congestion Management Proposal Whitepaper	Jeff Muller (PSEG) and Andy Rodriguez (FJM)	3	3	2	1	2	1	3	2	17
142	Market Design	Unscheduled/Parallel Path Flow Management	Compensation for Unscheduled/Parallel Path Flow	Pricing for native bad loop flow impacts		Multiple	Regional	Multiple	No	Ed Davis - Energy	3	3	2	1	2	2	3	2	18