

NERC

NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

Industry Webinar

Project 2008-12: Coordinate Interchange Standards

Cheryl Mendrala, Standard Drafting Team Chair

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RELIABILITY | ACCOUNTABILITY



- Cheryl Mendrala, Chair, ISO New England
- Robert Harshbarger, Vice Chair, Puget Sound Energy
- Clint Aymond, Entergy Services
- Kelly Bertholet, Manitoba Hydro
- David McRee, Duke Energy
- Don Lacen, PNM
- Chris Pacella, PJM
- Christopher Wakefield, Southern Company
- Steve Crutchfield, Lead NERC Standards Developer
- Sean Cavote, NERC Standards Developer
- Mallory Huggins, NERC Standards Developer

- Standard Authorization Request (SAR) was initiated in 2008
 - Four revised INT standards, one new INT standard, and five INT standard retirements were proposed and posted for comment in November 2009
- SDT reviewed comments and drafted additional changes before being put on hold by ERO in 2010
 - Team had additionally drafted INT-012
 - Team had additionally drafted standards related to dynamic transfers
- Team reconvened in early 2013 and held first meeting in April 2013

- INT-004-3 – Submittal of Dynamic Transfers
- INT-006-4 – Evaluation of Interchange Transactions
- INT-009-2 – Implementation of Interchange
- INT-010-2 – Interchange Initiation and Modification for Reliability

- INT-001-3 – Interchange Information
 - INT-003-3 – Interchange Transaction Implementation*
 - INT-005-3 – Interchange Authority Distributes Arranged Interchange
 - INT-007-1 – Interchange Confirmation
 - INT-008-3 – Interchange Authority Distributes Status
- * The SDT originally proposed INT-003-2 for retirement, but that standard was modified to add Violation Risk Factors and Violation Severity Levels and replace the MISO Scheduling Agent Waiver with the MISO Enhanced Scheduling Agent Waiver. The new version, INT-003-3, is also being proposed for retirement.

- ~~INT-011-1 – Interchange Coordination Support~~
- INT-012-1 – Intra-Balancing Authority Transaction Identification
- INT-013-1 – Implementation of Dynamic Schedules
- INT-014-1 – Implementation of Pseudo-Ties

- **Dynamic Transfers and Pseudo-Ties**
 - INT-004 will be modified to require tagging of Pseudo-Ties
 - Retired R1 in previous posting
 - Standard applies only to PSE
 - Concepts in Dynamic Transfer Guideline document converted into two new standards
 - INT-013 – Implementing Dynamic Schedules
 - INT-014 – Implementing Pseudo-Ties

- INT-006

- INT-006 addresses “evaluating” and “distribution” requirements
- Timing table is now only in one standard
- Requirements related to distribution timing of Interchange have been reworded to prevent violations because of software delays that have no impact on reliability
- Removed R5 as it is redundant with R6
- Removed R3.1 from previously posted standard (pre-emptive curtailment by having TSP deny Arranged Interchange)
- INT-011 requirements concepts are being moved into the guideline section of INT-006

- INT-009

- INT-009 addresses “implementing” requirements
- Clarified how flows as directed from INT-010 shall be considered
- Team discussed language of R1 and retained existing language regarding timing of check out
- Discussed proposed definition of **Composite Confirmed Interchange**: *the energy profile (including ramp) throughout a given time period, based on the aggregate of all Confirmed Interchange occurring in that time period.*
 - Requirement is to verify net Composite Confirmed Interchange, not individual transactions

- INT-010

- SDT to consider whether 60 minute timeframes on “exemptions” still valid
- Requirement R4 lists explicit reasons why entities can issue reliability adjustments
 - The loss or non-performance of generation supplying the Interchange
 - The loss of Load served by the Interchange
 - The loss of one or more Transmission Facilities
 - An actual or potential System Operating Limit (SOL) or Interconnection Reliability Operating Limit (IROL) exceedance
 - Any real-time reliability concern related to a specific Confirmed Interchange

- Paragraph 817: Intra-Balancing Authority transactions
 - INT-012 created to require Intra-Balancing Authority transactions to be submitted
- Paragraph 866: RC and TOP applicability
 - Previously proposed new requirements in INT-006 (now removed)
 - Current plan is to adjust existing definitions and/or existing requirements to add detail to address directive

- **SDT Meeting:** May 8-10, 2013
- **Planned Posting:** June 2013 (Formal Comment/Initial Ballot)
- **Planned SDT Meeting:** August 2013
- **Planned Posting:** September 2013 (if needed)
- **Planned SDT Meeting:** October 2013
- **Planning Recirculation Ballot:** Late 2013 (if not earlier)

Cheryl Mendrala, Chair

(413) 535-4184

cmendrala@iso-ne.com

Robert Harshbarger, Vice Chair

(425) 462-3348

robert.harshbarger@pse.com

Steve Crutchfield, Lead NERC Standards Developer

(609) 651-9455

stephen.crutchfield@nerc.net



Questions and Answers