

Summary of Proposed Reliability Standards for Interchange Scheduling and Coordination



Reliability Standards Authority: NERC

Standard:

- [INT-004-3 - 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-011-1 - Intra-Balancing Authority Transaction Identification](#)

Purpose: The Interchange Scheduling and Coordination ("INT") group of reliability standards addresses interchange transactions, which occur when electricity is transmitted from seller to a buyer across the power grid.

Change Type: Revised the currently set of INT standards to reflect the technological advances made since these standards were established (i.e., many of the activities in these standards are performed by software systems, not by a functional entity).

Applicable Functional Entities: Balancing Authority (BA), Load-Serving Entity (LSE), Purchasing-Selling Entity (PSE), or Transmission Service Provider (TSP)

Non-Ansi Standard: No

Ballot Results:

INT-004-3-	Quorum 83.88%, Approval 83.44%
INT-006-4-	Quorum 85.07%, Approval 80.77%
INT-009-2-	Quorum 85.07%, Approval 73.86%
INT-010-2-	Quorum 83.58%, Approval 91.51%
INT-011-1-	Quorum 84.78%, Approval 72.91%

Technical Impact in Ontario: None.

Costs of Implementation: None.

Ontario Participant Support: IESO voted for them. These standards apply primarily to the functional roles of the IESO.

Reliability Standard Milestones:

Date	Action
February 6, 2014	Adopted by NERC Board of Trustees
February 27, 2014	NERC Petition for Regulatory Approval
March 3, 2014	IESO Posting Date
July 1, 2014	End of OEB Review Period
TBD	FERC Order Issued
TBD	US Mandatory Enforcement Date
TBD	Ontario Enforcement Date (Milestones in Reliability Standard Development and Lifecycle)

Summary:

The five proposed Interchange Scheduling and Coordination (“INT”) Reliability Standards address interchange transactions, which occur when electricity is transmitted from a seller to a buyer across the power grid. The revisions clarify the parties involved in interchange transactions and make the mechanics of interchange transactions more apparent for reliability assessments:

- INT-004-3 - Dynamic Transfers

The proposed standard ensures that dynamic schedules and pseudo-ties are communicated and accounted for appropriately in congestion management procedures. The proposed revision included pseudo-ties. There are regions that employ pseudo-ties to assign generators, loads or both from the Balancing Authority’s control area to which they are physically connected into a Balancing Authority’s control area that has effective operational control of them.

Ontario only dispatches generation within its control area and, therefore there is no dynamic scheduling. Furthermore, Purchase-Selling and Load-Serving entities do not perform actions associated with the IESO’s functional roles of Balancing Authority and Interchange Authority. As with the currently-effective standard, the proposed standard is not applicable for Ontario.

Since the time the currently-effective INT group of standards were established, many of the Interchange Authority functional role tasks identified within them are now being performed by software systems. The currently-effective INT standards requirements were combined into the fewer number of requirements in the proposed group of INT standards to better follow the chronological sequence of an interchange transaction, and eliminated the requirement for functional and technical specifications of current software (i.e., electronic tagging).

Furthermore, the proposed standards and associated definitions were modified to clarify the various Balancing Authorities involved in the implementation of interchange transactions and their relationships with regard to the interchange; the various stages of an interchange transaction, and that any arranged transaction is checked for reliability purposes before it is

implemented; and, a Reliability Coordinator's and Transmission Operator's operational planning analysis must consider interchange transactions for reliability impacts:

- INT-006-4 - Evaluation of Interchange Transactions
The proposed standard ensures that responsible entities conduct a reliability assessment of each arranged interchange transaction before it is implemented.
- INT-009-2 - Implementation of Interchange
The proposed standard ensures that Balancing Authorities implement the interchange transactions as agreed upon the interchange confirmation process.
- INT-010-2 - Interchange Initiation and Modification for Reliability
The proposed standard provides guidance for required actions on confirmed or implemented interchange transactions to address reliability.
- INT-011-1 - Intra-Balancing Authority Transaction Identification
The proposed standard ensures that transfers within a Balancing Authority using Point-to Point Transmission Service are communicated and accounted for in congestion management procedures. This type of transmission service is not applicable for Ontario.

Other Salient Information:

The IESO is not aware of any other significant factors.