

### Standard Development Timeline

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*This section is maintained by the drafting team during the development of the standard and will be removed when the standard becomes effective.*

#### Development Steps Completed

1. SAR posted for comment (July 2, 2008 through July 31, 2008).
2. Revised SAR and response to comments posted (December 1, 2008).
3. SC authorized moving the SAR forward to standard development (December 16–17, 2008).
4. SDT appointed (February 12, 2009).
5. First draft of proposed standard posted (November 10, 2009).
6. Project became inactive until February, 2013.

#### Description of Current Draft

This is the second draft of the proposed standard posted for stakeholder comments and an initial ballot. This draft includes the modifications based on comments submitted by stakeholders, as well as items identified in the SAR and applicable FERC directives from FERC Order 693.

| Anticipated Actions                                       | Anticipated Date |
|---|------------------|
| 45-day Formal Comment Period with Parallel Initial Ballot | July 2013        |
| Recirculation ballot                                      | October 2013     |
| BOT adoption  | November 2013    |
| File standard with regulatory authorities.                | December 2013    |

### Effective Dates

First day of the second calendar quarter beyond the date this standard is approved by applicable regulatory authorities, or in those jurisdictions where regulatory approval is not required, the standard becomes effective on the first day of the second calendar quarter beyond the date this standard is approved by the NERC Board of Trustees, or as otherwise made effective pursuant to the laws applicable to such ERO governmental authorities.

### Version History

| Version | Date          | Action                                | Change Tracking               |
|---------|---------------|---------------------------------------|-------------------------------|
| 0       | April 1, 2005 | Effective Date                        | New                           |
| 1       | May 2, 2006   | Adopted by the NERC Board of Trustees | Revised                       |
| 2       | TBD           | Adopted by the NERC Board of Trustees | Revised under Project 2008-12 |

### Definitions of Terms Used in Standard

*This section includes all newly defined or revised terms used in the proposed standard. Terms already defined in the Reliability Standards Glossary of Terms are not repeated here. New or revised definitions listed below become approved when the proposed standard is approved. When the standard becomes effective, these defined terms will be removed from the individual standard and added to the Glossary.*

**Dynamic Schedule:** A time-varying energy transfer that is updated in real time and included in the Net Interchange Scheduled term in the same manner as an Interchange Schedule in the affected Balancing Authorities' control ACE equations (or alternate control processes).

**Pseudo-Tie:** A time-varying energy transfer that is updated in real time and included in the Net Interchange Actual term in the same manner as a Tie Line in the affected Balancing Authorities' control ACE equations (or alternate control processes).

**Adjacent Balancing Authority** - A Balancing Authority Area that is interconnected with another Balancing Authority Area either directly or via a multi-party agreement or transmission tariff.

**Confirmed Interchange** - The state where the Sink Balancing Authority has verified the Arranged Interchange.

**Composite Confirmed Interchange** – The energy profile (including non-default ramp) throughout a given time period, based on the aggregate of all Confirmed Interchange occurring in that time period.

**Attaining Balancing Authority:** A Balancing Authority bringing generation or load into its effective control boundaries through a dynamic transfer from the Native Balancing Authority.

**Native Balancing Authority:** A Balancing Authority from which a portion of its physically interconnected generation and/or load is transferred from its effective control boundaries to the Attaining Balancing Authority through a dynamic transfer.

*When this standard has received ballot approval, the text boxes will be moved to the Application Guidelines Section of the Standard.*

### A. Introduction

1. **Title:** Implementation of Interchange
2. **Number:** INT-009-2
3. **Purpose:** To ensure that Balancing Authorities implement the Interchange as agreed upon in the Interchange confirmation process and maintain the generation-to-load balance.
4. **Applicability:**
  - 4.1. Balancing Authority.
5. **Background:**

This standard was revised as part of the Project 2008-12 Coordinate Interchange Standards effort to combine requirements from the various INT standards into a fewer number of standards and in a logical sequence. The focus of INT-009-2 continues to be the Balancing Authority to Balancing Authority Interchange confirmation process for Interchange Transactions prior to their implementation.

The Requirements in INT-009-2 have been expanded to include previous Measures from INT-009-1 and acknowledge Dynamic Schedules and Pseudo-Ties. A new term “Composite Confirmed Interchange” has been introduced.

The content of INT-009-2 has been revised and expanded in the following manner:

- R1 was modified to ensure that a Balancing Authority agrees to a Composite Confirmed Interchange with each of its Adjacent Balancing Authorities.
- R2 was created to ensure that Adjacent Balancing Authorities incorporating a Pseudo-Tie agree to a common source for their Net Interchange Actual term for their ACE controls.
- R3 was created by revising R1.2 from INT-003-3. This requirement ensures that the Balancing Authority that controls an HVDC tie coordinates the Confirmed Interchange.

### B. Requirements and Measures

- R1.** Each Balancing Authority shall agree with each of its Adjacent Balancing Authorities that its Composite Confirmed Interchange with that Balancing Authority, at mutually agreed upon time intervals, excluding Dynamic Schedules and Pseudo-Ties and including any interchange as directed per INT-010-2 not yet captured in the Composite Confirmed Interchange, is: [*Violation Risk Factor: Medium*] [*Time Horizon: Real Time Operations*]
  - 1.1. Identical in magnitude to that of the Adjacent Balancing Authority, and

- 1.2.** Opposite in sign to that of the Adjacent Balancing Authority.
- M1.** The Balancing Authority shall have evidence (such as dated logs, voice recordings, electronic records, or other evidence) that its Composite Confirmed Interchange, excluding Dynamic Schedules and including any interchange as directed per INT-010-2 not yet captured in the Composite Confirmed Interchange, was agreed to by each Adjacent Balancing Authority, identical in magnitude to those of each Adjacent Balancing Authority, and opposite in sign to that of each Adjacent Balancing Authority. (R1)
- R2.** The Attaining Balancing Authority and the Native Balancing Authority shall use a dynamic value emanating from an agreed upon common source to account for the Pseudo-Tie in the Net Interchange Actual term of their respective control ACE (or alternate control process). [*Violation Risk Factor: Medium*] [*Time Horizon: Real Time Operations*]
- M2.** The Balancing Authority shall have evidence (such as dated logs, voice recordings, electronic records, written agreement or other evidence) that it used a dynamic value emanating from an agreed upon common source to account for the Pseudo-Tie in the Net Interchange Actual term of their respective control ACE (or alternate control process). (R2)
- R3.** Each Balancing Authority in whose area the HVDC tie is controlled shall coordinate the Confirmed Interchange prior to its implementation with the Transmission Operator of the HVDC tie if applicable. [*Violation Risk Factor: Medium*] [*Time Horizon: Real Time Operations, Operations Planning*]
- M3.** The Balancing Authority shall have evidence (such as dated logs, electronic records, or other evidence) that it coordinated the Confirmed Interchange prior to its implementation with the Transmission Operator of the HVDC tie. (R3)

## **C. Compliance**

### **1. Compliance Monitoring Process**

#### **1.1. Compliance Enforcement Authority**

Regional Entity

#### **1.2. Evidence Retention**

The Balancing Authority shall keep data or evidence to show compliance as identified below unless directed by its Compliance Enforcement Authority to retain specific evidence for a longer period of time as part of an investigation. For instances where the evidence retention period specified below is shorter than the time since the last audit, the CEA may ask an entity to provide other evidence to show that it was compliant for the full time period since the last audit.

- The Balancing Authority shall maintain evidence to show compliance with R1, R2 and R3 for the most recent 3 months plus the current month.

If a Balancing Authority is found non-compliant, it shall keep information related to the non-compliance until found compliant.

The Compliance Enforcement Authority shall keep the last audit records and all requested and submitted subsequent audit records.

#### **1.3. Compliance Monitoring and Assessment Processes:**

Compliance Audits

Self-Certifications

Spot Checking

Compliance Investigation

Self-Reporting

Complaints

#### **1.4. Additional Compliance Information**

None

Table of Compliance Elements

| R # | Time Horizon                              | VRF    | Violation Severity Levels |              |          |   |
|-----|---|--------|---------------------------|--------------|----------|---|
|     |   |        | Lower VSL                 | Moderate VSL | High VSL | Severe VSL  |
| R1  | Real Time Operations                      | Medium | N/A                       | N/A          | N/A      | The Balancing Authority did not reach agreement with an Adjacent Balancing Authority on the magnitude or sign of its Composite Confirmed Interchange, excluding Dynamic Schedules and including any interchange as directed per INT-010-2 not yet captured in the Composite Confirmed Interchange, for that hour. |
| R2  | Real Time Operations                      | Medium | N/A                       | N/A          | N/A      | The Balancing Authority failed to use a dynamic value emanating from an agreed upon common source to account for the Pseudo-Tie in the Net Interchange Actual term of their respective control ACE (or alternate control process).  |
| R3  | Real Time Operations, Operations Planning | Medium | N/A                       | N/A          | N/A      | The Balancing Authority failed to coordinate the Confirmed Interchange prior to its implementation with the Transmission Operator of the HVDC tie.  |

**D. Regional Variances**

None.

**E. Interpretations**

None.

**F. Associated Documents**

None.

## **Application Guidelines**

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### **Guidelines and Technical Basis**

**Requirement R1:**

**Requirement R2:**

**Requirement R3:**