

## **NASEB Coordinate Interchange Business Practice Standard (Request for Arranged Interchange, RAI)**

### **Background:**

In light of the continuing restructuring of the Electric Industry, and FERC's rulemakings to ensure open and non-discriminatory access to the nation's transmission systems, NERC is developing Reliability Standards to replace current Operating Policies and Procedures. Furthermore, NERC Operating Policies do not reflect the new organizations or Merchant functions that are forming.

With regards to Policy 3, NERC currently is developing the Coordinate Interchange Standard to address some of the reliability issues associated with a bilateral interchange Transaction. The Standard is being developed using the Functional Model as a basis for defining the "Functions" necessary for bulk electric reliability rather than the existing "Control Areas" in NERC's current Operating Policies.

### **Introduction:**

A request for the development of a NAESB complementary Business Practice Standard to NERC's Coordinate Interchange Standard was submitted in June, 2003. This standard was approved by the Joint Interface Committee (JIC) representatives from NERC, NAESB, and RTO/ISO and assigned to NAESB for development.

This Standard is being developed to identify market-supported processes to facilitate fair & "equitable" competitive interchange practices. This standard will provide the necessary data and arrangements to the Interchange Authority (IA) for an Interchange Transaction to take place between Sink and Source Balancing Authorities (BA). The Standard provides the requirements for the market arrangements necessary to submit this "Request for Arranged Interchange", RAI, to the IA to become an Arranged Interchange. This RAI shall contain the information from the required NAESB RAI Data Sheet (attached). It should be understood that this Standard covers the front-end market arrangements and any business requirements for an Interchange Transaction to be implemented. Upon receiving all approvals from the Reliability Entities, the IA will utilize NERC's Coordinate Interchange Standard to transition the Arranged Interchange to a Confirmed Interchange and then the implementation of the Confirmed Interchange.

The Standard is being developed using Functional Model definitions to provide consistency with NERC's Reliability Standards.

## **Definitions:**

Balancing Authority (BA) – The entity which integrates resource plans ahead of time, maintains load-interchange-generation balance within a Balancing Authority Area, and supports Interconnection frequency in real time.

Interchange Authority (IA) – The entity which authorizes implementation of valid and balanced Interchange schedules between Balancing Authority Areas, and ensures Interchange Transactions are properly identified for reliability assessment purposes.

Interchange Transactions – A transaction representing the delivery of energy from a generator located within a Point of Receipt (POR) BA to a load located within a Point of Delivery (POD) BA.

Point of Resource BA – The Balancing Authority responsible for monitoring and/or controlling the generation identified as the source of an Interchange Transaction.

Point of Delivery BA – The Balancing Authority responsible for monitoring and/or controlling the load identified as the sink of an Interchange Transaction.

Requesting PSE – The PSE submitting the Request for Arranged Interchange (RAI).

Market Period – The period of time when a Requesting PSE is making purchase, sale, and transmission service arrangements needed to support an RAI.

Arranged Interchange – the state where all arrangements necessary to submit the Interchange request to the Interchange Authority have been made.

Confirmed Interchange- The state where the Interchange Authority has verified the Arranged Interchange and is ready to submit it to the Balancing Authorities.

Implemented Period- The state where the Balancing Authority enters the Confirmed Interchange into its area control error (ACE) equation.

Approval Entities – Those entities responsible for providing either active or passive approvals to an Arranged Interchange.

Block Accounting – Energy accounting that assumes a beginning and ending ramp time of zero minutes. For accounting purposes, this moves the energy associated with the starting and ending ramps into the adjacent starting and ending clock hours of the Interchange.

Market Adjustment – a desired change to an Interchange Transaction after its associated RAI has been submitted to the Interchange Authority.

Reliability Period – The segment of time from when the IA has received the RAI from the requesting PSE to physical implementation.

### **Business Practices**

**RAI Standard 1.0** All requests to implement an Interchange Transaction shall be accomplished by the submission of a “Request for Arranged Interchange”, RAI, to the Interchange Authority (IA).

RAI Standard 1.1 All energy purchase, energy sale, and transmission service arrangements necessary to implement the RAI shall be performed during the Market Period.

**RAI Standard 2.0** While any Purchasing Selling Entity (PSE) may act as the “Requesting PSE”, it shall be the responsibility of the load-serving Purchasing Selling Entity (PSE) to ensure that the RAI has been submitted to the IA.

**RAI Standard 3.0** A completed RAI shall contain the information specified in the most current version of the NAESB RAI Data Table.

**RAI Standard 4.0** On behalf of the Requesting PSE, the IA shall distribute the RAI to all involved entities (e.g. TSP-for transmission reservations, BA-for ramping start/end times and rate, RA-reliability analysis, Generator/Load PSE) for approval prior to being confirmed and implemented in accordance with the NERC Coordinate Interchange Standard.

**RAI Standard 4.1** The Requesting PSE shall submit RAI information and data in accordance with the most current version of the NAESB RAI Submission and Response Timetables Document.

**RAI Standard 5.0** All requests for approval/validation of the RAI by the IA during the Arranged Interchange Period shall be assessed in accordance with the most current version of the NAESB Arranged Interchange Response Timetable. The results of that assessment shall be promptly communicated back to the Requesting PSE. (This communication is covered under Requirement 403 of the NERC CI Standard)

**RAI Standard 5.1** Any denial of an Arranged Interchange request stated in Standard 5.0 shall be accompanied by communication of the reason for such denial to the requesting PSE.

**RAI Standard 6.0** The IA shall be responsible for communicating changes on the status of the RAI to all involved parties of the RAI, including BAs, IAs, RAs, counterparty PSE

(Generator or Load Serving), and the TSPs, and the PSEs holding the associated transmission rights necessary to support the transaction.

**RAI Standard 7.0** The primary method for submitting an RAI to the IA shall be electronic using protocols to be determined by NAESB.

**RAI Standard 7.1** Submitting an RAI to the IA via facsimile is acceptable only as a backup when electronic means are not available.

**RAI Standard 7.2** Submitting an RAI via telephone is acceptable only if both the internet and fax systems are not operable.

**RAI Standard 8.0** The submitting PSE shall be allowed to submit a change or correction to the RAI during the Arranged, Confirmed, and Implemented Interchange Periods.

**RAI Standard 8.1** Market adjustments made during the Reliability Period by the PSE must be submitted to the IA and assessed in accordance with the NAESB RAI Submission and Response Timetable.

**RAI Standard 8.1.2** Market Adjustments shall be treated similar to a new RAI and shall be resubmitted to the IA and reviewed by all appropriate Approval Entities before being implemented.

**RAI Standard 8.2** Components of an RAI which can be changed during the Reliability Period include- but are not limited to- MW, ramp start and stop, and duration.

**RAI Standard 9.0** Each PSE submitting an RAI for an Interchange Transaction shall have, or arrange to have, personnel on site and immediately available for notification of Interchange Transaction changes.

**RAI Standard 9.1** These personnel shall be available from the beginning of the Market Period until the end of the Implementation Period.

**RAI Standard 10.0** Energy accounting for all RAIs shall be accomplished via Block Accounting.

**RAI Standard 11.0** Settlement of losses shall be either financial or shall be handled as payment in-kind. For losses handled as in-kind, the PSE shall communicate to the IA the mw losses and the entity the losses are with for each TSP along the transaction path.

**RAI Standard 11.1** All bilateral schedules are equal and opposite in direction for a source and sink BA.