

## JISWG Conference Call Development of E-Tag 1.8

Monday, June 25, 2007 - 1 p.m. CDT (2 p.m. EDT)

Conference Bridge (Call-in):  
Phone Number: (732) 694-2061  
Access Code: 1123062507#

Participation via WebEx webcast  
Location: <https://nerc.webex.com/nerc>  
Topic: E-Tag  
Password: 062507

### Agenda

#### 1) Announce NERC Antitrust Compliance Guidelines

- 2) Request for Comments: The Joint Interchange Scheduling Working Group (JISWG) and E-Tag 1.8 Vendors, with input from the Electronic Scheduling Subcommittee, Information Technology Subcommittee (ESS/ITS), drafted the FERC Order 890 “Specification for Implementation of Conditional Firm in e-Tagging” and requests interested parties to submit informal comments on the specification to the NAESB Office ([naesb@naesb.org](mailto:naesb@naesb.org)) by July 18, 2007.

Attachment:

Specification for Implementation of Conditional Firm in e-Tagging

- 3) R07007: Review Comments on and complete Recommendation for Request No R07007 (Update Timing Table to reflect the categories (On-Time, After the Fact, and Pre-late) used in the latest E-Tag Specifications with respect to receipt of an Arranged Interchange (RFI)).

Attachment:

a. Recommendation R07007

b. Comments on Recommendation R07007 submitted by MISO 06/15/07

- 4) Vendor Test: The JISWG and E-Tag Vendors will review the vendor test schedule, script, and cutover plan. Vendor testing tasks and responsibilities will be assigned to individuals to ensure the tests are monitored and performed in accordance with the vendor test plan.

Attachments:

- a. Structured Testing Plan for E-Tag 1.8
- b. E-Tag Version 1.8 Structured Test Script
- c. E-Tag Version 1.8 Cutover Plan – Revised 06/06/07

- 5) Request: All E-Tag vendors that will provide “Authority, Approval, and/or Agent” services after December 4, 2007 are requested to identify themselves to initiate participation in the E-Tag 1.8 Interoperability Test Plan. This will also be the basis to validate and update the NERC “tagging” and “tagven” internet list servers.

Attachment:

Validation of E-Tag Vendor Status - Request Letter

- 6) NERC and NAESB have started preliminary discussions on the future of the E-Tag registry. JISWG Chairs will give a status and may request assistance from participants and vendors for future action.
- 7) Future JISWG/Vendor E-Tag 1.8 Specifications Meetings / Conference Calls

<b>JISWG 2007 Meeting/Conf Call/Webcast Schedule</b>				
	<i>Date</i>	<i>Time</i>	<i>Location</i>	<i>Coordination</i>
Meeting	Thurs, Jul 12	9 am – 5 pm	San Diego	NERC
Meeting	Mon, Jul 30 Tues, Jul 31	10 am – 5 pm 9 am – 2 pm	Houston or Duke	NAESB
Meeting	Wed, Aug 29 Thur, Aug 30	9 am – 5 pm 9 am – Noon	Vancouver, BC	NERC
Meeting	Wed, Oct 3 Thur, Oct 4	10 am – 5 pm 9 am – 2 pm	Houston	NAESB
Meeting	Thur, Nov 15 Fri, Nov 16	1 pm – 5 pm 9 am – Noon	San Francisco	NERC (Follows the IS Meeting)
Meeting	Wed, Dec 19 Thur, Dec 20	10 am – 5 pm 9 am - Noon	Houston	NAESB

## **NERC Antitrust Compliance Guidelines**

### **I. General**

It is NERC's policy and practice to obey the antitrust laws and to avoid all conduct that unreasonably restrains competition. This policy requires the avoidance of any conduct that violates, or that might appear to violate, the antitrust laws. Among other things, the antitrust laws forbid any agreement between or among competitors regarding prices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that unreasonably restrains competition.

It is the responsibility of every NERC participant and employee who may in any way affect NERC's compliance with the antitrust laws to carry out this commitment.

Antitrust laws are complex and subject to court interpretation that can vary over time and from one court to another. The purpose of these guidelines is to alert NERC participants and employees to potential antitrust problems and to set forth policies to be followed with respect to activities that may involve antitrust considerations. In some instances, the NERC policy contained in these guidelines is stricter than the applicable antitrust laws. Any NERC participant or employee who is uncertain about the legal ramifications of a particular course of conduct or who has doubts or concerns about whether NERC's antitrust compliance policy is implicated in any situation should consult NERC's General Counsel immediately.

### **II. Prohibited Activities**

Participants in NERC activities (including those of its committees and subgroups) should refrain from the following when acting in their capacity as participants in NERC activities (e.g., at NERC meetings, conference calls and in informal discussions):

- Discussions involving pricing information, especially margin (profit) and internal cost information and participants' expectations as to their future prices or internal costs.
- Discussions of a participant's marketing strategies.
- Discussions regarding how customers and geographical areas are to be divided among competitors.
- Discussions concerning the exclusion of competitors from markets.
- Discussions concerning boycotting or group refusals to deal with competitors, vendors or suppliers.

### **III. Activities That Are Permitted**

From time to time decisions or actions of NERC (including those of its committees and subgroups) may have a negative impact on particular entities and thus in that sense adversely impact competition. Decisions and actions by NERC (including its committees and subgroups) should only be undertaken for the purpose of promoting and maintaining the reliability and

adequacy of the bulk power system. If you do not have a legitimate purpose consistent with this objective for discussing a matter, please refrain from discussing the matter during NERC meetings and in other NERC-related communications.

You should also ensure that NERC procedures, including those set forth in NERC's Certificate of Incorporation, Bylaws, and Rules of Procedure are followed in conducting NERC business.

In addition, all discussions in NERC meetings and other NERC-related communications should be within the scope of the mandate for or assignment to the particular NERC committee or subgroup, as well as within the scope of the published agenda for the meeting.

No decisions should be made nor any actions taken in NERC activities for the purpose of giving an industry participant or group of participants a competitive advantage over other participants. In particular, decisions with respect to setting, revising, or assessing compliance with NERC reliability standards should not be influenced by anti-competitive motivations.

Subject to the foregoing restrictions, participants in NERC activities may discuss:

- Reliability matters relating to the bulk power system, including operation and planning matters such as establishing or revising reliability standards, special operating procedures, operating transfer capabilities, and plans for new facilities.
- Matters relating to the impact of reliability standards for the bulk power system on electricity markets, and the impact of electricity market operations on the reliability of the bulk power system.
- Proposed filings or other communications with state or federal regulatory authorities or other governmental entities.
- Matters relating to the internal governance, management and operation of NERC, such as nominations for vacant committee positions, budgeting and assessments, and employment matters; and procedural matters such as planning and scheduling meetings.

Any other matters that do not clearly fall within these guidelines should be reviewed with NERC's General Counsel before being discussed.

## Specification for Implementation of Conditional Firm in e-Tagging

### Overview

This document describes how the NAESB Electronic Scheduling Subcommittee/Information Technology Subcommittee (ESS/ITS), NERC/NAESB Joint Interchange Scheduling Working Group (JISWG), and e-Tag vendors determined that e-Tagging should be modified and utilized in order to support FERC Order 890 conditional firm implementation by the electric industry. This document does not include modifications to OASIS that will be necessary to support conditional firm. This document is being posted for comment so that industry participants may provide JISWG and ESS/ITS with input prior to JISWG modifying the e-Tag specifications and schema for conditional firm implementation.

### Business Considerations

The ESS/ITS and JISWG considered the following “attributes” of long-term “conditional firm” (i.e., conditional curtailment options) service in its design specifications for e-Tagging:

- Conditional firm, during the pre-defined conditions, will be treated on par with network transmission service from non-designated resources, i.e., priority 6 – higher than non-firm point-to-point service and lower than firm service.
- The conditions when service will be treated as priority 6 may be any of the following as defined in the transmission service agreement:
  - Predefined system condition occurs such as an outage contingency, loss of generation, load levels, etc.
  - Predefined term such as peak seasons/months, etc.
  - Either of the above but for only a portion of the reserved capacity, i.e., a portion of the reservation is deliverable as firm at all times and a portion is subject to “conditional” treatment.

Predefined system conditions require that the TP have the ability to force a previously firm (priority 7) transaction to be treated on par with network service from non-designated resources immediately on occurrence of the condition. The TP must also have the ability to override the PSEs submission of a priority 7 transaction to priority 6 if the condition is in effect, or if the term of the conditional service is in effect. The TP must be able to raise a previously limited transaction back to firm priority should short-term firm service become available for the duration of that availability. If only a portion of the reserved capacity is subject to conditional treatment, the TP must be able to override and “split” the transaction into a firm and non-firm allocation per the arrangements as specified in the service agreement.

## **Design Considerations**

In order to expedite implementation coincident with e-Tag 1.8 implementation the existing e-Tag schema and methods were used and the design was kept simple. In order to insulate this particular design from modifications to conditional firm service requirements, the e-Tag modifications are generic rather than utilizing specific data content (such as specific product codes, etc).

## **Specification**

While a tag is still pending, a Transmission Service Provider will be allowed to issue a correction to a transmission segment where they are the listed TSP. This will allow the TSP to change the priority of service in cases where the tag was using conditional firm service at priority 7 and it now needs to be used at priority 6. Once the tag is implemented, a Transmission Service Provider will be allowed to issue an adjustment request that will accomplish the same thing, changing some or all of the conditional firm service being used at priority 7 to priority 6.

The ability to issue a correction will differ from current practice in the following ways.

- 1) The correction will be issued by a TSP, rather than the tag author PSE.
- 2) The correction will only be allowed to affect transmission segments where the TSP sending the correction is the TSP of the segment.

The ability to issue an adjustment will differ from current practice in the following ways.

- 1) This will be a market adjustment issued by a TSP.
- 2) The adjustment will not go through an approval process, but will instead be implemented as soon as it is received by the Authority service.
- 3) The adjustment may not change any energy profiles.
- 4) The adjustment may only modify or add transmission allocations associated with a transmission segment where the TSP sending the correction is the TSP of the segment.
- 5) The total transmission allocation for the physical segment must be the same before and after the change.
- 6) The adjustment cannot affect any profiles in the past. Changes may only be made from the time the request message is received by the Authority service forward.

In practice, what the TSP will do to adjust an implemented tag is to issue a market adjustment that reduces the MW level of the existing priority-7 allocation by the amount of conditional firm that is subject to change, and add a new allocation at priority 6 for the amount by which the existing allocation was reduced. The amount of transmission allocated for the tag will not change, but some or the entire conditional firm service amount will be changed from priority 7 to priority 6.

## **Additional Information**

The above design would allow TSPs to create vertically stacked transmission allocations where one allocation would have a product code of 6-NN for example and another allocation on the same physical segment would have a product code of 7-FN. The more typical case would be to

adjust the 7-FN allocation to zero for a specific time range and add an exception block for the same time range set to the original allocation with a 6-NN product code.

The above design requires the transmission level to be left unchanged since there is no approval process. If the energy level needs to be capped due to a decrease in available transmission capacity, then it is more appropriate for the TSP to issue a reliability adjustment.

By allowing corrections, the TSP is allowed to change the product code, contract number (aref), etc associated with the physical segment without needing to issue exception profiles.

This design is silent on user interface features. Industry participants should work with their vendors on user interface functionality, particularly the interaction between OASIS nodes and e-Tagging systems.

The conditional firm support described above is scheduled for release with 1.8 implementation in early December 2007.

**1. RECOMMENDED ACTION:**

- Accept as requested
- Accept as modified below
- Decline

**EFFECT OF EC VOTE TO ACCEPT RECOMMENDED ACTION:**

- Change to Existing Practice
- Status Quo

**2. TYPE OF DEVELOPMENT/MAINTENANCE**

**Per Request:**

- Initiation
- Modification
- Interpretation
- Withdrawal
  
- Principle
- Definition
- Business Practice Standard
- Document
- Data Element
- Code Value
- X12 Implementation Guide
- Business Process Documentation

**Per Recommendation:**

- Initiation
- Modification
- Interpretation
- Withdrawal
  
- Principle
- Definition
- Business Practice Standard
- Document
- Data Element
- Code Value
- X12 Implementation Guide
- Business Process Documentation

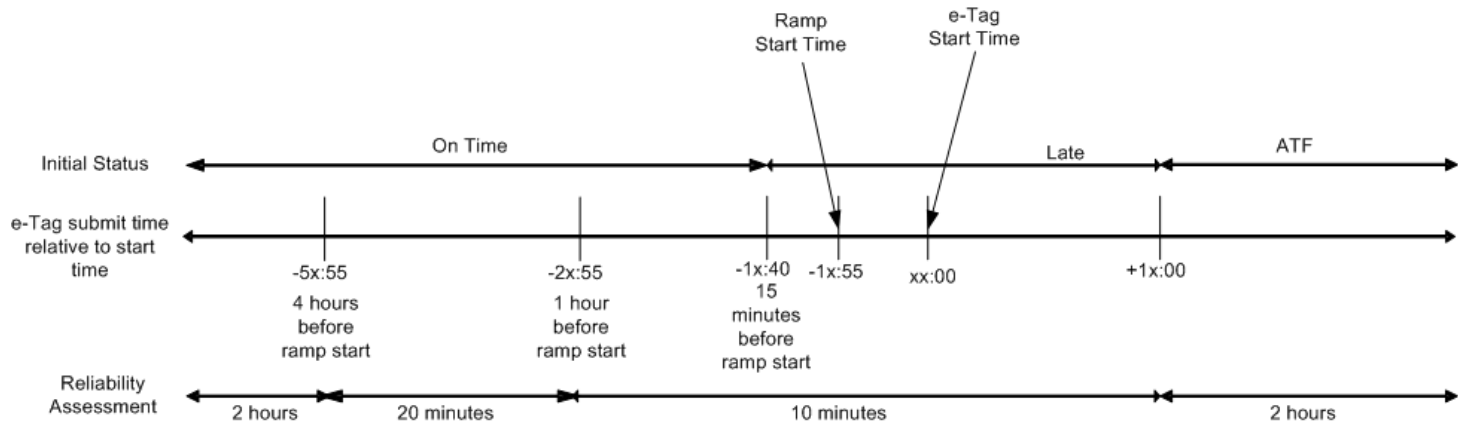
**3. RECOMMENDATION**

**SUMMARY:** To address Request R07007, e-Tag timing tables, the JISWG worked with the requestor to simplify and enhance the clarity of the tables. JISWG also split the tables into two in order to simplify them. One table is applicable to Interconnections other than WECC and one is applicable to the WECC. These two tables have differences due to the difference in ramp durations and ramp start between the WECC and other interconnections. The tables now also contain a timeline diagram which various industry participants requested. The timing tables, if approved, should replace the timing tables in the existing Coordinate Interchange standard. The revised timing tables are included below.

**RECOMMENDED STANDARDS:**

**Timing Requirements for all Interconnections except WECC**

		A	B	C	D	
If Actual Arranged Interchange (RFI) is Submitted	IA Assigns Initial Status of	IA Makes Initial Distribution of Arranged Interchange	BA and TSP Conduct Reliability Assessments IA Verifies Reliability Data Complete	IA Compiles and Distributes Status	BA Prepares Confirmed Interchange for Implementation	Minimum Total Reliability Period (Columns A through D)
>1 hour after the start time	<u>ATF</u>	≤ 1 minute from RFI submission	≤ 2 hours from Arranged Interchange receipt from IA	≤ 1 minute from receipt of all Reliability Assessments	NA	NA
<15 minutes prior to ramp start and ≤1 hour after the start time	<u>Late</u>	≤ 1 minute from RFI submission	≤ 10 minutes from Arranged Interchange receipt from IA	≤ 1 minute from receipt of all Reliability Assessments	≤ 3 minutes after receipt of confirmed RFI	15 minutes
<1 hour and ≥ 15 minutes prior to ramp start	<u>On-time</u>	≤ 1 minute from RFI submission	≤ 10 minutes from Arranged Interchange receipt from IA	≤ 1 minute from receipt of all Reliability Assessments	≥ 3 minutes prior to ramp start	15 minutes
≥ 1 hour and < 4 hours prior to ramp start	<u>On-time</u>	≤ 1 minute from RFI submission	≤ 20 minutes from Arranged Interchange receipt from IA	≤ 1 minute from receipt of all Reliability Assessments	≥ 39 minutes prior to ramp start	1 hour plus 1 minute
≥ 4 hours prior to ramp start	<u>On-time</u>	≤ 1 minute from RFI submission	≤ 2 hours from Arranged Interchange receipt from IA	≤ 1 minute from receipt of all Reliability Assessments	≥ 1 hour 58 minutes prior to ramp start	4 hours





**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE**

**For Quadrant: WEQ**

**Requesters: Puget Sound Energy Incorporated**

**Request No.: R07007**

**Request Title: Update Coordinate Interchange Timing Table to Reflect Initial Assigned Status**

**Timing Requirements for WECC**

		A	B	C	D	
If Actual Arranged Interchange (RFI) is Submitted	IA Assigns Initial Status of	IA Makes Initial Distribution of Arranged Interchange	BA and TSP Conduct Reliability Assessments IA Verifies Reliability Data Complete	IA Compiles and Distributes Status	BA Prepares Confirmed Interchange for Implementation	Minimum Total Reliability Period (Columns A through D)
>1 hour after the start time	<u>ATF</u>	≤ 1minute from RFI submission	≤ 2 hours from Arranged Interchange receipt from IA	≤ 1minute from receipt of all Reliability Assessments	NA	NA
<10 minutes prior to ramp start and ≤1 hour after the start time	<u>Late</u>	≤ 1minute from RFI submission	≤ 10 minutes from Arranged Interchange receipt from IA	≤ 1minute from receipt of all Reliability Assessments	≤ 3 minutes after receipt of confirmed RFI	15 minutes
<1 hour and ≥ 10 minutes prior to ramp start	<u>On-time</u>	≤ 1minute from RFI submission	≤ 10 minutes from Arranged Interchange receipt from IA and ≥ 4 minutes prior to ramp start	≤ 1minute from receipt of all Reliability Assessments	≥ 3 minutes prior to ramp start	10-15 minutes
≥ 1 hour and < 4 hours prior to ramp start	<u>On-time</u>	≤ 1minute from RFI submission	≤ 20 minutes from Arranged Interchange receipt from IA	≤ 1minute from receipt of all Reliability Assessments	≥ 39 minutes prior to ramp start	1 hour plus 1 minute
≥ 4 hours prior to ramp start	<u>On-time</u>	≤ 1minute from RFI submission	≤ 2 hours from Arranged Interchange receipt from IA	≤ 1minute from receipt of all Reliability Assessments	≥ 1 hour 58 minutes prior to ramp start	4 hours
Submitted before 10:00 PPT with start time ≥ 00:00 PPT of following day	<u>On-time</u>	≤ 1minute from RFI submission	<u>By 12:00 PPT of day the Arranged Interchange was received by the IA</u>	≤ 1minute from receipt of all Reliability Assessments	≥ 1 hour 58 minutes prior to ramp start	Min 4 hours



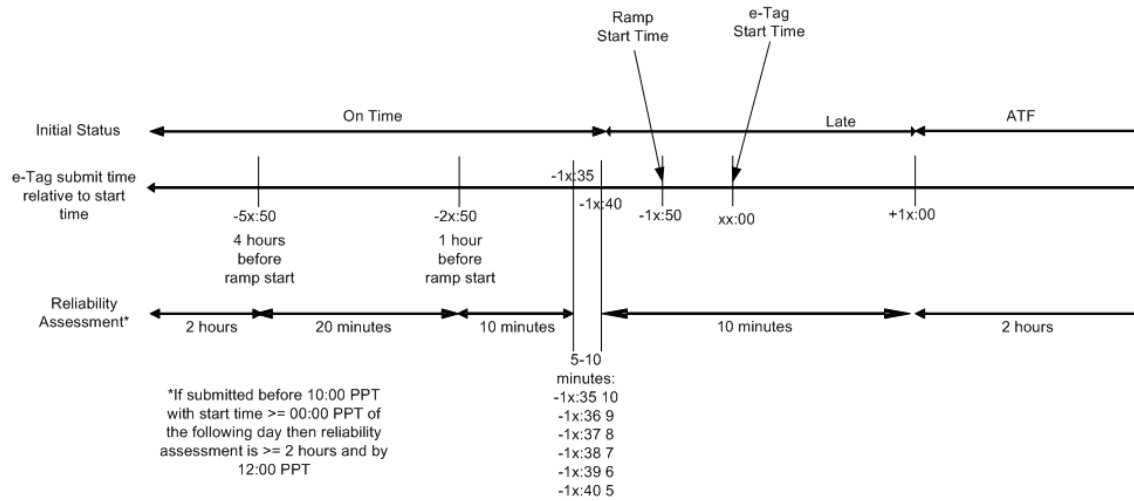
**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE**

**For Quadrant: WEQ**

**Requesters: Puget Sound Energy Incorporated**

**Request No.: R07007**

**Request Title: Update Coordinate Interchange Timing Table to Reflect Initial Assigned Status**





**RECOMMENDATION TO NAESB EXECUTIVE COMMITTEE**  
**For Quadrant: WEQ**

**Requesters: Puget Sound Energy Incorporated**  
**Request No.: R07007**  
**Request Title: Update Coordinate Interchange Timing Table to Reflect Initial Assigned Status**

#### **4. SUPPORTING DOCUMENTATION**

**a. Description of Request:**

Update the Timing Table to Reflect the Categories (On-time, Late, After-the-fact, and Pre-late) used in the latest E-Tag Specification with respect to receipt of an Arranged Interchange (RFI):

- Include designation of request status based on start and submittal times.
- Include assess times for After-The-Fact (ATF) requests.

Include a WECC preschedule late (Pre-Late) submittal definition

**b. Description of Recommendation:**

After review of this Request and in consultation with the WECC, the JISWG recommends that the Pre-late category is not necessary. The JISWG recommends that the tables set forth in this recommendation be adopted to replace the existing timing tables in the Coordinate Interchange Standard.

**c. Business Purpose:**

Clear definition of what RFIs are assigned on their initial status: On Time, Late, or After the Fact

**d. Commentary/Rationale of Subcommittee(s)/Task Force(s): Simplify timing rules, clarify the effects of the timing tables on each entity, incorporate desired changes from industry participants, and provide a clear definition of the initial status that should be assigned to an RFI as per the request.**

JISWG Meeting, May 15-18, 2007: [Draft Minutes](#)

JISWG Conference Call, June 6, 2007

JISWG Conference Call, June 25, 2007



## Work Paper

**Quadrant:** Wholesale Electric Quadrant

**Change Request:** R07007

**Submitted By:** Ed Skiba for Midwest ISO

**Date:** June 15, 2007

On June 15, 2007 the ESS/ITS reviewed change request R07007, during the review I offered up some comments on the change request. The ESS/ITS requested I submit a work paper to provide background information for the JISWG to consider.

- It would be beneficial if the item 3 Recommendation, SUMMARY section provides additional clarification on what is being updated. When I first read the recommendation, the only reference to any documents in the body of the recommendation was the change E-Tag Specification under item **4 SUPPORTING DOCUMENTATION, a. Description of Request**. Below is some proposed wording for the beginning of this section:

**SUMMARY:** To address Request 07007 the Timing Table Interchange Timeline with Minimum Reliability-Related Response Times in Appendix D of WEQ 004 Coordinate Interchange ratified under change request R05001 (with Minor Corrections Applied March 20, 2007) will be split into two tables. One table will be applicable to all interconnections other than WECC. The second table will be specific to WECC. These two tables have differences....
- In both Timing Requirements tables the heading in the first column is “If Actual Arranged Interchange (RFI) is Submitted”. In looking at this column description one would think RFI is the acronym for Actual Arranged Interchange. In the ESS/ITS conference call, I was told Actual Arranged Interchange is a process and Request for Interchange (RFI) is a document. Should the column heading be renamed to something such as “Actual Arranged Interchange (RFI is Submitted)” or “Actual Arranged Interchange RFI is submitted”? There is a similar issue with the text in section **4 SUPPORTING DOCUMENTATION, a. Description of Request**.
- Under **4. SUPPORTING DOCUMENTATION, b. Description of Recommendation**, it would be beneficial if the recommendation referenced what is being replaced is the Timing Table Interchange Timeline with Minimum Reliability-Related Response Times in Appendix D of WEQ 004 Coordinate Interchange ratified under change request R05001 (with Minor Corrections Applied March 20, 2007). Since the Final Action with Minor Modifications has not yet been incorporated in the Standards Booklet you want to point the person reviewing the recommendation to the location of the document that is being revised. The text in this section implies that the change has been incorporated in the standards booklet.

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## *Structured Testing Plan*

### *For E-Tag 1.8*

#### **Introduction**

In order to ensure adequate vendor interoperability, the NAESB/NERC Joint Interchange Scheduling Working Group (JISWG) has developed the following structured testing to take place August 6-24<sup>th</sup>.

Additional tests will be conducted as needed *and* one month prior to implementation November 5-9.

The goal of these tests is to test the majority of e-Tag 1.8 and any Regional Reliability Organization specific functions to verify they have been properly implemented and that vendors can exchange information with minimal difficulty. Upon completion of these tests, the JISWG will require reports from the test participants that can be used to gauge the success or failure of the testing.

If JISWG and the vendors decide to implement conditional firm with this 1.8 release, there will be a separate structured test focusing only on the conditional firm functionality on dates to be determined.

#### **Contact Information**

Each vendor point of contact is responsible for working with the JISWG Representative to ensure that results are accurately recorded. The JISWG Representative is responsible for ensuring that those results are presented to the rest of the JISWG for evaluation.

#### **Test Registry**

In order to conduct the testing, a test registry will be used. Product Codes will remain the same. Systems being forwarded to (RC copies for example) may be tested as the vendors choose and need not be included in the test registry. JISWG will create the test registry entries and provide them to the vendors. Each vendor will have the following defined:

- PSE, TSP, and BA
- Source and Sink point associated with PSE and BA
- POR and POD associated with TSP

Vendor	Balancing Authority	Transmission Provider	Affiliated Merchant	Source/Sink	POR/POD 1	POR/POD 2
CASSO	CSBA	CSTP	CSPSE1	CASSO	CSP1	CSP2
Fortech	FTBA	FTTP	FTPSE1	Fortech	FTP1	FTP2
MCG	MCBA	MCTP	MCPSE1	MCG	MCP1	MCP2
OATI	OTBA	OTTP	OTPSE1	OATI	OTP1	OTP2
SoftSmiths	SSBA	SSTP	SSPSE1	SoftSmiths	SSP1	SSP2
SunGard	SGBA	SGTP	SGPSE1	SunGard	SGP1	SGP2

The vendors must provide JISWG with their test URLs for each service (including the optional agent URL). Those companies not providing an authority service will have another vendor's authority service selected for them for testing.

A revised registry will be provided for each test day switching vendors between interconnections such that there are three in each at all times.

## Testing Roles

Each vendor will test each of the services they provide with each of the other vendors. Vendors will test in both eastern and western interconnections to ensure that the various rules and timing tables work as expected. Tests will be both within interconnections and across interconnections. Once a test has passed with each of the vendors, it need not be repeated in following testing except for the final test period in November.

The structured test script identifies which vendors will be testing at what times. Each session will have two groups testing concurrently. In each of those groups, there will be three roles:

- **Authoring PSE.** This role is responsible for writing the tag as described in the scenarios. The Authoring PSE will be providing Agent software.
- **GCA/TP/GPE.** This role is responsible for approving requests as they are made, as well as issuing any necessary Curtailment or Reload requests. The GCA/TP will be providing Approval Software.
- **LCA/TP/LSE.** This role is responsible for approving requests as they are made, as well as issuing any necessary Curtailment or Reload requests. The LCA/TP will be providing Approval software and Authority software.

Primarily, each group will test with only the other members in its group unless otherwise coordinated between Vendors or specified within an e-Tag test case. For example, in the first session, SoftSmiths will write tags flowing from SunGard to OATI.

## General Format

Testing participants should be concerned with all e-Tag validations. The goal of these tests is to verify system functionality and interoperability between vendors. Every tag will have the same general format:

- Three Market Segments
  - One for the GCA's affiliated PSE
    - One Physical Segment (GPE Generation in the GCA)
  - One for the Tag Author
    - Two Physical Segments
      - Transmission from the GCA's TP
      - Transmission from the LCA's TP
  - One for the LCA's affiliated PSE
    - One Physical Segment (LSE Load in the LCA)

With CASSO as e-Tag Author, Fortech as the GCA and MCG as the LCA the e-Tag would be:

FTBA, Fortech

FTPSE1

CSPSE1

FTTP, FTP1, FTP2, FTBA

MCTP, MCP1, MCP2, MCBA

MCPSE1

MCBA, MCG

Each tag written should be named after the test name for reference using the general "notes" field (at the root level of the Tag).

All tags should have a flat 100MW profile for the duration of the tag. For tests that specify in-kind losses, the losses should be taken in-kind along the path at a rate of 2% on the first transmission leg and 4.5% on the second leg. This should result in 100MW at the generator, 98MW at the GCA/LCA Interface, and 94 (93.59) MW at the load.

Information regarding start times and durations is included in the Test Packet. For all instances where a specific start time is not identified, the start time should be set for the END of the test session (i.e., if I am testing in the 10am to 12 noon session, all my tags will start at 12 noon unless otherwise specified in the script).

Information regarding whether to consider the Balancing Authority in the Eastern or Western Interconnect is also included in the Test Packet.

The tests may specify alternative ramp durations.

There are several tests to be undertaken. Please attempt to complete as many as possible. We strongly encourage vendors to coordinate with each other on the telephone to ensure the tests are completed satisfactorily.

As each test is undertaken as described in the script, please record the successful completion of the test with a “yes” in the results column. If the result is NOT a yes, please indicate the ticket number of the trouble ticket entered at the NERC Trouble Ticket site. If the test was not completed, please enter “inc.”

## **Test System Availability**

Each participant shall make a test system available for each service they provide for the duration of each test period, including weekends. For example, OATI will provide authority and approval services from August 6-August 24 7x24, with the exception of system restarts to load new code. Participants are not required to staff the services however may be required to automatically approve or deny Requests as appropriate.

## **Upon Completion**

Upon completion, please E-Mail a completed copy of the script to your testing monitor. Some vendors will have multiple results due to their participation in several tests.

These reports will be analyzed by the testing monitor and discussed the following week.

## **Reporting Spec and Schema Problems**

If a discrepancy is encountered during the testing that requires interpretation or intervention by the JISWG, please complete an E-Tag Trouble Ticket. The JISWG will use these tickets to track problems and resolutions.

	Group	
	1	2
Date/Time	Tuesday, 13:00-15:00 CST	
Authoring PSE	CASSO	OATI
GCA/TP/GPE	Fortech	SoftSmiths
LCA/TP/LSE	MCG	SunGard
Date/Time	Tuesday, 15:00-17:00 CST	
Authoring PSE	SunGard	MCG
GCA/TP/GPE	CASSO	OATI
LCA/TP/LSE	Fortech	SoftSmiths
Date/Time	Thursday, 13:00-15:00 CST	
Authoring PSE	SoftSmiths	Fortech
GCA/TP/GPE	SunGard	MCG
LCA/TP/LSE	CASSO	OATI
Date/Time	Thursday, 15:00-17:00 CST	
Authoring PSE	MCG	OATI
GCA/TP/GPE	Fortech	CASSO
LCA/TP/LSE	SunGard	SoftSmiths
Date/Time	Monday, 13:00-15:00 CST	
Authoring PSE	SunGard	SoftSmiths
GCA/TP/GPE	Fortech	CASSO
LCA/TP/LSE	OATI	MCG
Date/Time	Monday, 15:00-17:00 CST	
Authoring PSE	MCG	OATI
GCA/TP/GPE	SunGard	SoftSmiths
LCA/TP/LSE	Fortech	CASSO
Date/Time	Wednesday, 13:00-15:00 CST	
Authoring PSE	CASSO	Fortech
GCA/TP/GPE	OATI	MCG
LCA/TP/LSE	SunGard	SoftSmiths
Date/Time	Wednesday, 15:00-17:00 CST	
Authoring PSE	MCG	SoftSmiths
GCA/TP/GPE	SunGard	CASSO
LCA/TP/LSE	OATI	Fortech

## Cutover plan

The cutover should occur on a Tuesday or Wednesday. The plan assumes that the cutover will be on Tuesday, December 4, 2007. All times listed are in central prevailing time. Each vendor will provide contact info (phone and email) that other vendors can use immediately before/after the cutover to resolve any last minute problems.

21:30	Tag authority services stop accepting new requests. Tag authority services should return a fault message for any new request message received after this time (RequestNewTag, RequestCorrection, SetApprovalState, RequestProfileChange). All non-request messages (distribute and query messages) will be sent/processed normally.
21:30 – 21:50	Tag authority services resolve all pending requests to a state of “Dead”, listing all approval parties that have not taken any action as passively denied. Send out all of the usual messages to approval parties, etc. to indicate resolution. All messages for all tags should be COMPLETE before 22:00.
21:50 – 22:00	Port all 1.7 tags to 1.8 format tags using the procedure described below
22:00	E-Tag 1.8 goes live!!!

### Procedure for porting etag 1.7 tags to etag 1.8

Terminate all active tags containing data that can't be sent via etag 1.8 XML messages. Tags meeting this criteria are:

1. Any tag that includes a scheduling entity of type TP
2. Any tag that does not contain at least one scheduling entity of type CA on each physical segment

To terminate the tag, the tag authority will issue a PSE adjustment for the tag (listing the tag author as the request author) that sets the energy and transmission profiles to zero from 22:00 until the end of the tag. The tag authority will not accept new requests on such tags (even after the cutover). The PSE adjustments will be distributed normally, and will be automatically approved by the tag authority (approval status type will be set to “override” for all approval parties).

Create the 1.8 request state for all existing requests using this mapping:

1.8 Request state	1.7 Request state
Approved	Implemented
Denied	Dead/Pending (there should not be any pending requests at this point)

Create the 1.8 tag state using this mapping:

1.8 Tag State	Tags mapped to state
Confirmed	All tags where the tag creation request is implemented and the tag start time is in the future
Implemented	All tags where the tag creation request is implemented and the tag start time is in the present/past
Denied	All tags that have 1.7 request state of “dead” for the tag creation request, regardless of why that request went to “dead”.
Pending	There should be no tags mapped to this state
Withdrawn	There should be no tags mapped to this state
Expired	There should be no tags mapped to this state
Cancelled	There should be no tags mapped to this state
Terminated	There should be no tags mapped to this state

Set the current correction ID for all tags. Set the current correction ID to be the maximum correction ID listed on any part of the tag.

Set the TimeClassification for all Requests. The data is already present in E-Tag 1.7, so no translation is required.

June 7, 2007

E-Tag Vendors  
Associated with E-Tag 1.8 Implementation

Dear E-Tag Vendors:

### **Validation of E-Tag Vendor Status**

The NERC-NAESB Joint Interchange Scheduling Working Group (JISWG) is in the process of finalizing its E-Tag 1.8 Implementation Plan. As part of the plan, all vendors that will provide “Authority, Approval, and/or Agent” services after December 4, 2007 are requested to identify themselves for the upcoming E-Tag 1.8 Interoperability Test, which is to begin during the first week of August, 2007.

It is extremely important for the vendors to participate with the JISWG to ensure the E-Tag 1.8 interoperability test plan is technically accurate and addresses all aspects of the new E-Tag specifications and schema.

The E-Tag vendors that have committed to participate in the E-Tag 1.8 Interoperability Testing are:

- Sungard Energy Solutions
- Open Access Technology Internationally, Inc.
- SoftSmiths, Inc.
- Minneapolis Consulting Group
- Fortech Software Consulting, Inc.
- CASSO, Inc.

All other vendors that will provide “Authority, Approval, and/or Agent” services after Dec. 4, 2007 are requested to identify themselves to initiate participation in the E-Tag 1.8 Interoperability Test Plan. Please contact the following individuals as soon as possible:

Jim Hansen	<a href="mailto:james.hansen@seattle.gov">james.hansen@seattle.gov</a>
Bob Harshbarger	<a href="mailto:Robert.harshbarger@pse.com">Robert.harshbarger@pse.com</a>
Laura Kennedy	<a href="mailto:lkennedy@naesb.org">lkennedy@naesb.org</a>
Tom Vandervort	<a href="mailto:tom.vandervort@nerc.net">tom.vandervort@nerc.net</a>

E-Tag Vendors  
June 7, 2007  
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In addition to participation in the E-Tag 1.8 Interoperability Test Plan, the vendor's response to this request will be the basis to validate and update the NERC "tagging" and "tagven" internet list servers.

Sincerely,

James Hansen  
JISWG Co-Chair

Robert Harshbarger  
JISWG Co-Chair

cc: Interchange Subcommittee  
Joint Interchange Scheduling Working Group  
"tagging" list server  
"tagven" list server  
Rae McQuade  
David Nevius  
David Whiteley