



**Interchange Subcommittee (IS) with  
Joint Interchange Subcommittee Working Group (JISWG)  
February 14, 2007**

**Interchange Subcommittee (IS)  
February 15, 2007  
San Diego, CA 92130**

**Minutes**

**Administration**

Vice chair Don Lacen led the welcome and introductions. Bill Lohrman established that a quorum was present for the IS. Bill Lohrman reviewed the NERC Antitrust Compliance Guidelines. Don Lacen reviewed the agenda and the objectives of the meeting.

**Attendance**

In-person:

Bill Lohrman	Tom Vandervort	Lonnie Rush
Clint Aymond	Jeremy West	David Lemmons
Andy Tritch	Larry Goins	John Ciza
Chris Pacella	John Simonelli	Pat Doron
Don Lacen	Mike Oatts	Jim Hansen
Bob Schwerman	Paul Sorensen	

Via phone:

Ed Overtree	Joe Gardner	Dennis Harrison
Deanna Phillips	Larry Stone	

**E-Tagging Functional Specification**

Don Lacen led the group in an evaluation of the effectiveness of the December 1<sup>st</sup> and December 18<sup>th</sup> conference calls in preparing the industry for E-Tag 1.7.097. The consensus was that there was a pretty good response from PSEs, BAs, and that many more participants than expected joined the call. The callers needed some clarification about how the IS and JISWG is merely implementing the standards that are being approved, and not imposing changes on the industry. In the future it would help if the conference call announcement(s) specifically mention the standards which apply to the changes.

Vice Chairman Don Lacen then led the group in a review the results of the implementation of E-Tag 1.7.097 WECC has submitted an urgent action SAR to modify timing tables, and also submitted a modification request to NAESB regarding INT-006-1 for real time tags with 5 minute assessment period. WECC will have a 10-minute assessment period, vendors have already made the requisite code modifications. The group suggested that WECC contact the NERC Compliance Program and find out what needs to be done to process the urgent action.

The group then discussed the new requirement for reliability entity assessment for the cancellation or termination of the IMPLEMENTED e-Tags. The group then reviewed the INT standards and determined that this approval process is required by the standards. The entities that would like to revert to unilateral cancellation or termination of IMPLEMENTED e-Tags with no reliability assessment were encouraged to submit a SAR.

Additionally, the group discussed some other E-Tag functionality. When a tag correction comes in, users do not see a reset of the approval window – this will be corrected in Version 1.8 - currently the correction only goes to the entities on the tag. The group suggested that this should probably reset the tag status, and expressed a concern about being restricted to a 3 minute evaluation. The group discussed waiting until version 1.8 or changing spec now, and suggested polling the industry regarding making the change prior to rolling out version 1.8. The group suggested making the change to make the specifications compliant with the standards. The maximum assessment period for reliability purposes may be impacted unless it is adjusted by changing the tag to LATE, only for a tag that hasn't gone implemented prior to the ramp start. Perhaps it should be recommended that correction requests should be rejected if they are submitted without enough time to conduct a reliability evaluation based on the ramp start and the total duration of the assessment period as defined in the timing tables. Jeremy West and Jim Hansen will write up a suggested fix to the specification and review it with the e-tag vendors for an evaluation of the feasibility of making the change prior to e-tag 1.8, without a schema change. Will have a conference call with the e-tag vendors and will be based on the requirements of the standard INT-006 and the timing tables.

Jim Hansen led the IS and JISWG in a review of potential updates needed to migrate to version 1.8 of the E-tag specification listed below and reviewed added changes that require schema changes and new definitions:

- Remove Background section
- Add reference to default ramp rate definitions
- Clarify LATE and ATF timelines
- Add new final states and their definitions
  - cancelled, terminated, expired, confirmed, implemented
- Add Rounding definition
- Add Ramp Rate validation
- Identify physical segment in Curtailment (for proper MWh accounting when in-kind losses are used)
- Modify in-kind loss calculations
- Define which Functional Model entities can be Scheduling Entities (BA)
- Strike Erroneous Current Level Warning
- Notify entities list (no approval, sent copies of e-Tag)
- Calculation of ActOnByTime
- Addition of TimeClassification
- NERC web site changed to Electric Industry Registry web site
- Add Terminate, Withdraw, DistributeTerminate, and DistributeCancel methods.
- Simplify Recovery function
- Allow After The Fact(ATF) e-Tags to be Terminated
- Allow Source or Sink to modify DYNAMIC e-Tag with actual data

The IS will need to add clarification to the Capacity Tag definition, since it is not being used consistently, WECC has issued a regional business practice for two types of capacity products:

- 1) spin and non-spin
- 2) interruptible loads

The IS will need to clarify how dynamic e-tags are done; can any entity on the e-tag make an ATF correction to the dynamic schedule? Tom Vandervort will check definitions against NERC Glossary.

The group also discussed the need to cancel an IMPLEMENTED ATF e-Tag. This feature is missing in 1.7.097 but will be added in 1.8. The group also discussed modification to the e-Tag recovery process that will simplify the process for the user. Currently e-Tag user interface software requires that the user issue recovery requests that specify a particular LCA. The 1.8 version of e-Tag will not require this. Instead it will allow users to recover all e-Tags and requests that are missing from their system for a specified period of time.

The IS/JISWG established a preliminary Timeline/Schedule for completing E-Tag 1.8:

- Review by JISWG by Conference Call – February 26<sup>th</sup> 11-2 Pacific Time
- Completion of draft 1.8 E-tag Specifications – Feb 28<sup>th</sup> send to E-tag Vendors and IS
- E-tag Vendor conference call Webex March 5<sup>th</sup> 11 – 1 Eastern time
- Review and approval by IS by Conference Call March 9<sup>th</sup> 11 – 1 Eastern time  
(both specification and schema)  
Invite JISWG  
Send to E-tag vendors
- Conference call with NERC, NAESB, vendors March 19<sup>th</sup> 11 – 2 Eastern time  
Develop Project plan  
Training  
Industry conference calls/Workshops  
(two each WEST and EAST)  
Interoperability Testing
- Post for 30-day industry comment period March 20<sup>th</sup>
- IS and JISWG reply to comment/ final changes May 2 – 3  
Joint meeting in Portland, OR
- Send to vendors for development May 3
- Vendor development May 5 to Aug 5<sup>th</sup>
- Industry Webex’s t.b.d.
- Interoperability vendor testing Aug 5 to Sep 5<sup>th</sup>  
NERC / NAESB facilitation  
Set up interoperability examples  
Draft site acceptance test plan
- Training / User Testing Sep 5<sup>th</sup> to Nov 2<sup>nd</sup>  
4 Workshops t.b.d. in October  
Phoenix/San Diego for West  
Chicago / Atlanta for East
- **Project Implementation – Dec 5<sup>th</sup>**

- IS Meeting: September 19, 2007 8 a.m.–5 p.m. September 20, 2007 8 a.m.–12 p.m.  
Montreal
- IS Meeting: November 14, 2007 8 a.m.–5 p.m. November 15, 2007 8 a.m.–12 p.m.  
San Francisco, CA – follow ORS

## Western Interchange Tool

Don Lacen provided the IS with an update on the Western Interchange Tool. Phase 1 started mid-January and WECC is working on getting all validation errors cleaned up by May 30<sup>th</sup>. Each BA is working on the validation when PSEs make the tags. By May 30<sup>th</sup> improper tags no longer be accepted, but it will be easier to create a tag because everything will be standardized with one E-tag Authority. Phase 2 will include metering and inadvertent. Tags will become the schedule because electronic scheduling will be in place, with checkout hourly and at the end of the day. For Phase 3 one minute net scheduled interchange profiles for AGC utilization (instantaneous and average values of net scheduled interchange) will be used.

## Interchange Standards

Don Lacen led the IS in a review of the NERC Interchange Standards (INT-001 – INT-010) as part of the subcommittee responsibilities. The IS discussed whether any changes should be made to the scope of the new INT SAR. None were identified. Individual companies can comment as they see fit. INT-004 may need to be revised to be more enforceable related to evaluation of current flow. The IS considered if the IDC could be used for real-time transactions for dynamic schedules and what can the ORS (IDCWG) do related to real time data updates; Mike Oatts will speak with someone at the IDCWG. Pat Doran will draft a letter to the ORS requesting these clarifications.

The IS then discussed a few questions regarding INT standards that were sent to NERC:

1. INT – 001 The latest word on this standard is that the approval process is changed from tacit approval to tacit denial. That is, previously if an entity responsible for approving or denying a tag did not approve the tag, it was automatically approved. Now, if that entity does not approve a tag, it is denied. Is it a compliance violation for that entity to allow the tag to be denied by not sending a response to the tag request, or is the entity responsible to respond to every tag and either approve or deny?

*Yes – INT-006 requires all to be responded to – see Levels of Compliance*

2. INT – 004 The issue here is the requirement calling for use of the “average” value for a dynamic schedule tag when that schedule is across a stability limited interface. It appears to open the door for a reliability problem or violation of the interface limit if the entity would use the average value as the requirement calls for. Is it considered to be a compliance violation if the entity observes good reliability practices and uses the MAX value for the dynamic schedule?

*Possibly – depends on whether or not M1 is complied with. The JISWG would recommend that the transmission allocation be set to the maximum expected value and that the energy profile be set to the average as required in INT-004. However the average values need to be updated as required in the standard.*

3. I have a question concerning reliability standards:

- INT-005 - Interchange Authority Distributes Arranged Interchange
- INT-006 - Response to Interchange Authority
- INT-008 - Interchange Authority Distributes Status

The standards propose to execute the e-tagging process in less than 1 minute. I am referring to Column A of the Timing Table where it states that the Interchange Authority must make an initial distribution of arranged interchange in less than a minute. Current E-tagging process takes 10 to 15 minutes and therefore makes the less than 1 minute requirement unreasonable.

*The <1min time in column A refers to the authority service distribution to all entities in the e-tag chain. That is just for the distribution, which is done electronically, and does not refer to the entire e-tag distribution assessment and implementation procedure.*

The answers to the above questions were forwarded to the questioners.

### **Feedback to Vendors on E-Tag 1.7.097**

The group provided feedback to vendors on recent changes to E-Tag Specifications. The vendors did a good job of notifying users of change to E-tag 1.7.097.

### **IS Operating Committee Coverage**

Jeremy West provided the IS with a report of the IS issues covered during the last Operating Committee (OC) meeting. Some concerns raised by OC regarding:

- What the standards said about going back to change dynamic tags
- Next business day or 96 hours
- Allowing changes to dynamic tags ATF to get around compliance

Mr. West also described how he relayed Dec 18<sup>th</sup> conference call information to the OC.

Don Lacen worked with the IS to schedule coverage for upcoming Operating Committee meetings:

March 21 – 22:	Long Beach (John Ciza) 1.8 plans Timing change for assessment period for correction IS Work plan
June 6 – 7:	Toronto (Pat Doran)
September:	t.b.d.
December:	t.b.d.

### **IS Goals for 2007**

Don Lacen reviewed the IS goals for the remainder of 2007 and asked that this be a posted, and updated as necessary, on the IS website. The goals for 2007 are:

- a. Changes to IDC to use dynamic data rather than the tag
  - i. Submit a letter to the IDCWG to make the appropriate changes
    - ICCP or SDX

- b. JISWG to issue a SAR to relax approval times for ATF issues for INT and Coordinate  
[Has been done]
- c. Interchange standards. Need timing table for both standards.  
[Has been done]
- d. Dynamic Schedule prorata curtailments
  - i. Changing the tag does not affect dynamic schedule
    - Currently need to get two BAs to agree to a change on the meter value
    - What needs to be done to fix this situation?
      - a. No longer an issue for the IS
  - ii. Items in the Dynamic Schedule Reference Document may need to be transferred into a standard
    - Tag adjust may not be sufficient
  - iii. Maintaining the dynamic transfer survey
    - Review results and send data to Resources Subcommittee
  - iv. Updating dynamic schedule catalog
    - What to do with future planned dynamic schedules
    - What to do with registry [ask Don Benjamin and Tom Vandervort]
  - v. Action items
    - Complete review of the catalog
      - a. West – Lonnie and Don
      - b. East – Mike and Pat and Melinda
    - Develop action plan
- e. Continue work on E-tag 1.8 implementation plan (December 5<sup>th</sup>)
  - Vendor Interoperability
  - User training
- f. Getting more market participants to attend IS meetings
- g. Draft site acceptance test plan for E-tag 1.8

### **Review of meeting and posting schedules**

The IS established a tentative meeting schedule for 2007. Earlier the IS had indicated a desire to schedule its meetings in conjunction with the ORS. The tentative ORS meeting schedule for 2007 is listed below:

May 2, 2007	8 a.m.–5 p.m.
May 3, 2007	8 a.m.–12 p.m.
Portland, OR Joint with JISWG for both days -	follow ORS
September 19, 2007	8 a.m.–5 p.m.
September 20, 2007	8 a.m.–12 p.m.
Montreal	

November 14, 2007 8 a.m.–5 p.m.  
November 15, 2007 8 a.m.–12 p.m.  
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The meeting was then adjourned.