Scheduling Transmission Service, Version 17

Effective: 3/1/15

This Business Practice describes the process and guidelines for scheduling transmission services from BPA Transmission Services.

Version 17 is effective on March 1, 2015.

Version 17 incorporates changes to update current scheduling practices to reflect changes to policy for use of existing transmission for third party supply of Balancing Reserves.

For 15-minute scheduling, changes include replacing the term “hour” with “interval”, “future-hour” with “future-interval,” etc. Changes unrelated to 15-minute scheduling include deletion of the account building section (due to retirement of RODS); move of reserve-related scheduling information from Section A to a new Section B devoted to the scheduling of reserves; removal of section on Webtrans outages; creation of a table for CDE submittal windows; move of the table on Tagging Suffixes from Section C to Appendix A; move of the table of e-Tag validation rules to Appendix B; removal of section on Network Congestion Validation (moved to Requesting Transmission Service BP); and removal of section on Customer Data Entry (CDE) because it duplicates information already in the CDE BP. This version also adds and updates information currently in the Intra-Hour Scheduling BP, which will be retired.

A. General Procedures and Requirements

1. Submitting Transmission Schedules
    a. All transmission schedules must be submitted through the e-Tag process.
    b. Customers may contact BPA Transmission Services if they are unclear about how they should submit a transmission schedule.
    c. The Customer maintains responsibility for the transaction described in the e-Tag.
    d. If a Customer finds that an e-Tag contains incorrect information, (e.g., contract or type of transmission service) the Customer must ensure that an adjustment to the e-Tag is submitted with the correct information.
    e. All transactions must be tagged from the original Source to the final Sink.
    f. If the Customer does not submit a schedule for a given interval, for all purposes, BPA Transmission Services will deem the Customer to have submitted a schedule of zero megawatts for that interval.
    g. Customers may use more than one supporting reservation to meet a single e-Tag demand.
    h. Customer is responsible for the management of its schedules and reservations.
    i. If generation is reduced (or lost entirely), the Customer must adjust future-interval generation estimates and e-Tags accordingly.

j. If a transaction involves both Network and Southwest Interties or Network and the Montana Intertie, all parts of the transaction must be submitted on the same e-Tag.
k. California Oregon Border Hub (COBH) transactions are not allowed to continue south on the Southern Intertie to California.
l. All transactions into or out of the Northwest Market Hub (NWH) or COBH must net to zero on all intervals.
m. Transactions on the DC Intertie may be changed after XX:00 of the operating hour only in response to a transmission reliability event (15-minute scheduling is not allowed on the DC Intertie). Transactions on the PDCI must be in whole hour increments.
n. In the event of a Requesting PSE/Scheduling Agent scheduling system outage, BPAT will advise the Requesting PSE/Scheduling Agent to contact another entity in the transaction chain in accordance with NAESB WEQ Standard, WEQ-004-A or its successor. In the event of a WECC Interchange Authority (WIT) system outage, BPAT will operate in accordance with INT 020-WECC-RBP-1.1 or its successor.
o. Nothing in this business practice conveys rights to submit Schedule Requests if a Customer does not otherwise have such rights by contract.

2. Blanket Function
   a. To use the Blanket Function, Customers must reference the five-digit Service Agreement number in the e-Tag OASIS field.
   b. The Blanket Function will automatically locate all confirmed reservations with available demand; matching Service Agreement, POR/POD, Transmission Service Type, and NERC priority for the schedule duration.
   c. The system will then automatically encumber the earliest Assignment Reference (AREF) first per the Transmission Profile and Energy Profile of the e-Tag.
   d. Customer maintains responsibility for management of their Transmission Profiles and their Energy Profiles.
3. Network Integration Transmission (NT) Service

a. The following NT Customers do not need to submit transmission schedules to BPA Transmission Services:

i. Bonneville Power Administration (BPA) and Power Services full requirements Customers within BPA's Balancing Authority Area.

ii. Power Services' partial requirements Customers, with the exception of that portion of the partial requirements Customer's Network Load not being served by a Power Services partial requirements contract.

iii. Power Services' Block Product Customers that have assigned their secondary NT Service rights to Power Services for NT Block deliveries within BPA's Balancing Authority Area.

b. NT Customers who are not in the BPA Balancing Authority Area or have resources outside the BPA Balancing Authority Area must submit transmission schedules.

c. When e-Tagging Firm NT schedules, NT Customers are required to use the 7-FN NERC Curtailment Priority code.

4. Point-to-Point (PTP) Transmission Service

   a. Customers submitting Firm PTP schedules are required to use the 7-F NERC Curtailment Priority code.

5. Test E-Tags

   a. E-Tags submitted for test purposes will automatically pass the Demand validations checks.

   b. Test e-Tags will not impact ATC, A-Ref or Interchange.

   c. The approval status of a test e-Tag will be set based on the results of all other validation checks listed below in e-Tag Validation Rules.

B. Scheduling Reserves

1. Self-Supply Operating Reserves

   a. BPA Transmission Services will create e-Tags for the delivery of Operating Reserves following the delivery interval (After-the-Fact) to all Customers who have elected to self-supply Operating Reserves.

   b. A Customer who self-supplies Operating Reserves and desires to change its e-Tag template must submit a request in writing or by email to its Account Executive within the normal election time frame.

   c. A Customer may not change its e-Tag template during the period for which it is self-supplying Operating Reserves.

2. Third Party Supply of Balancing Reserves

   a. Third Party Supply must be scheduled:

      i. on Firm PTP;

      ii. to the Third Party Supply centroid, BPA.3PS; and

      iii. using capacity or dynamic e-Tags

   b. Transmission customers will receive a billing credit for the transmission allocation scheduled for delivery of Third Party Supply of Balancing Reserves.c. To ensure the correct billing credit, Customers should reference the AREF, not the Blanket Function.

   d. Third Party Supply is not subject to loss return.

3. Supplemental Service Balancing Reserves

   a. Supplemental Service Balancing Reserves must be scheduled; See BPA's Supplemental Service Business Practice, Section E

      i. on Firm PTP;

      ii. to the Supplemental Service centroid, BPA.SUP; and

      iii. using capacity or dynamic e-Tags

   b. Participants must work with BPAT to register a Source/Sink ending in .SUP. See BPA's Supplemental Service Business Practice, Section C.

   c. Transmission Customers will receive a billing credit for the transmission allocation scheduled to deliver Supplemental Service Balancing Reserves.

   d. To ensure the correct billing credit, customers should reference the AREF, not the Blanket Function.

   e. Supplemental Service is not subject to loss return.

4. Self-Supply Balancing Reserves

   a. Self-Supply Balancing Reserves must be scheduled on Firm PTP;

      i. to the Self-Supply centroid, BPA.SS; and

      ii. using capacity or dynamic e-Tags for each Self-Supply Balancing Resource.

      iii. See BPA's Self Supply of Balancing Reserves Business Practice, Section E

   b. Participants must work with BPAT to register a Source/Sink ending in .SS. See BPA's Self Supply of Balancing Reserves Business Practice.

   c. Transmission Customers will receive a billing credit for the transmission allocation scheduled to deliver Self-Supply Balancing Reserves.

   d. If the transmission allocation is not scheduled on an Original reservation, the transmission Customer will not receive a billing credit and will be billed the full prevailing firm PTP tariff rate.

   e. Self Supply Balancing Reserves are not subject to loss return.

C. Transmission Service Product Suffix Codes

Certain transmission service product types require a unique Product Suffix Code appended to the AREF or five-digit Service Agreement number referenced on the OASIS Contract Number field on the e-Tag, to uniquely identify the intent of the transmission schedule. The Transmission Service/Product Type and Product Suffix Codes are listed in Appendix A.

1. When utilizing a Product Suffix Code on the e-Tag, enter the five-digit Service Agreement number or the AREF number followed by a hyphen then the applicable Product Suffix Code.

2. When e-Tagging BPA Loss Returns, enter BPA Power into the Point-of-Delivery (POD) field and BPALOSS into the SINK field.

3. For the AC Transmission path on the e-Tag, Customers are not permitted to stack Non-Federal Ownership of the Pacific AC Intertie (NFP) and BPAT PTP Transmission Capacity.

D. E-Tag Submittal Windows

1. E-Tags
   a. BPA TS scheduling interval(s) start and stop times are the following: XX: 00, XX: 15, XX: 30, and XX: 45.
   b. The Start Ramp duration on the e-tag

      i. if left blank, the WECC default Ramp will be designated
      ii. otherwise the following start ramp designations are:

         a) For start of flow at XX:00 the start ramp is 20 minutes

         b) For start of flow at XX:15, XX:30 or XX:45, the start ramp is 10 minutes

   c. BPA Transmission Services will process e-Tags as defined in the WECC Timing Requirements table in NERC INT-006-3 or its successors.
      i. Preschedule: Preschedule e-Tags to be included in Next Day(s) Net Scheduled Interchange check out should be submitted prior to 15:00:00 PPT.
      ii. Realtime: BPA Transmission Services may deny late e-Tags as defined by the Timing Requirements table of INT-006-3 or its successors. E-Tags processed to support 15-minute scheduling will be accommodated upon BPA implementation.
      iii. After The Fact (ATF): Customer should contact BPA ATF work group prior to the creation of an ATF e-Tag.
   d. CDE Data Submission

      Data submitted into CDE must be in hourly increments. Preschedule and Real Time submittal windows are listed in the table below.

Data Type	Preschedule Window		Realtime Window	
	Open	Close	Open	Close
Load Estimate	08:00:00 PPT	18:00:00 PPT	22:00:00 PPT	10 minutes prior to the Operating Hour
Energy Imbalance Payback	08:00:00	14:00:00	22:00:00	30 minutes prior to the

Schedules	PPT	PPT	PPT	Operating Hour
Generation Estimates	08:00:00 PPT	18:00:00 PPT	22:00:00 PPT	10 minutes prior to the Operating Hour
Generation Imbalance Payback Schedules	08:00:00 PPT	14:00:00 PPT	22:00:00 PPT	20 minutes prior to the Operating Hour
Operating Reserves Load Estimates	08:00:00 PPT	18:00:00 PPT	22:00:00 PPT	30 minutes prior to the Operating Hour

E. Scheduling for Emergency Energy Delivery

BPA Transmission Services will process Emergency e-Tags in accordance with INT-001-WECC-RBP-2 and INT-007-WECC-RBP-2.1 or their successors.

1. Emergency e-Tag submittal window is from 20 minutes prior to the scheduling interval until the end of the operating interval.
2. Duration of service shall be no more than 2 hours from the start of flow.

F. E-Tag Validation Rules

1. All e-Tags will be validated by BPA Transmission Services to ensure accuracy.
2. E-Tags that fail any of the validation rules listed in Appendix B will automatically be denied or manually processed.
3. Reservation(s) to support the e-Tag must be in a Confirmed status prior to submitting the e-Tag.
4. E-Tags can be corrected within the appropriate approval window.
5. Demand check validations will be performed on all e-Tags unless Customers meet one of the following criteria:
    a. Retain a FPT (7-F), IR (7-F), or NT Memorandum of Agreement (MOA) (7-FN) contract with BPA Transmission Services that addresses special scheduling provisions for specific Firm Transmission Demand that is not explicitly represented by OASIS Open Access Same-Time Information System (OASIS) reservations and submit Firm e-Tags with the -ND suffix appended to the Reference field of the e-Tag's transmission allocation.
    b. Retain an NT Service Agreement with BPA Transmission Services that requires the reservations to indicate specific PODs and PODs, places no limitations on the reserved Transmission Demand, which is based on load forecasts, and submit Firm (7-FN) e-Tags with the -ND suffix appended to the Reference field of the e-Tag's transmission allocation.
    c. For Non-Federal Ownership of the Pacific AC Intertie the tagging entity must submit Firm (7-F) e-Tags with the -NFP suffix appended to the Reference field of the e-Tag's transmission allocation.
    d. Retain a PF and/or Block NT Service Agreement(s) and submit Firm (7-FN) e-Tags with the -PFN suffix appended to the Reference field of the e-Tag's transmission allocation.

6. BPA Transmission Services retains the right to add or change validation rules without notice.
7. BPA Transmission Services' validation rules are described in Appendix B.

G. Northwest Market Hub

1. The Northwest Market Hub (NWH) is a BPA Transmission Services sponsored hub service made up of the following five BPA substations in the Mid-Columbia area that are operated as a composite point:
   a. Valhalla
   b. Sickler
   c. Vantage
   d. Midway
   e. Columbia
2. Customers may request Firm and Non-Firm transmission to and from the NWH.
3. Customers that already have any one of the five NWH substations named in their Long-Term Firm Service Agreements are not allowed to use the named substation as a substitute for NWH transactions.
4. BPA Transmission Services is the intermediary Balancing Authority at the NWH for all NWH transactions.
5. NWH cannot be used as the first POR or last POD on an e-Tag.
6. Each transmission schedule to and from the NWH must net to zero for each interval. BPA Transmission Services will not accept unbalanced NWH schedules. An e-Tag using the NWH will have at least two BPA Network transmission segments, one to the Hub and one away from the Hub, with associated charges to the respective Transmission Contract Holder (TCH) for each segment.
7. No after-the-fact transmission schedules are allowed at the NWH.

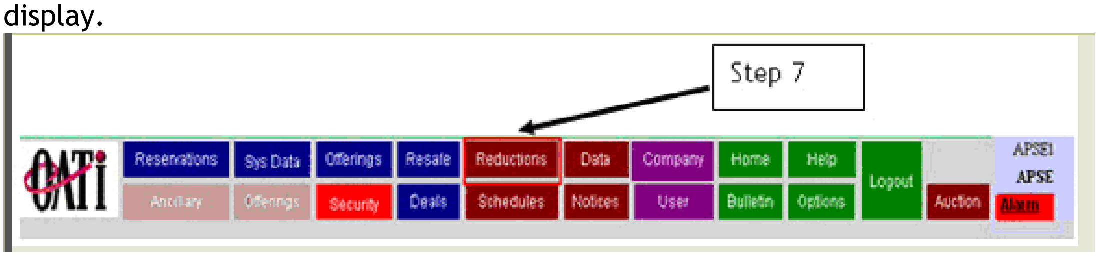
H. Alternate E-Tag Procedures for Discretionary Offer of Transmission for Stranded Load

Certain BPA Network transmission outages make it impossible to serve stranded load via the usual procedures. In some instances, however, it is possible to provide service to the stranded load in a manner other than the usual service. However, due to the posted Available Transfer Capability (ATC), reservations cannot always be made for the alternate service. BPA Transmission Services may use its discretion to offer transmission service when posted ATC is not sufficient, but BPA Transmission Services knows that sufficient ATC is available to accommodate the service request. Customers needing to serve stranded load for planned outage should contact their AE. For stranded load due to unplanned outages, Customers may contact Transmission Service’s Real Time Scheduling staff for assistance.

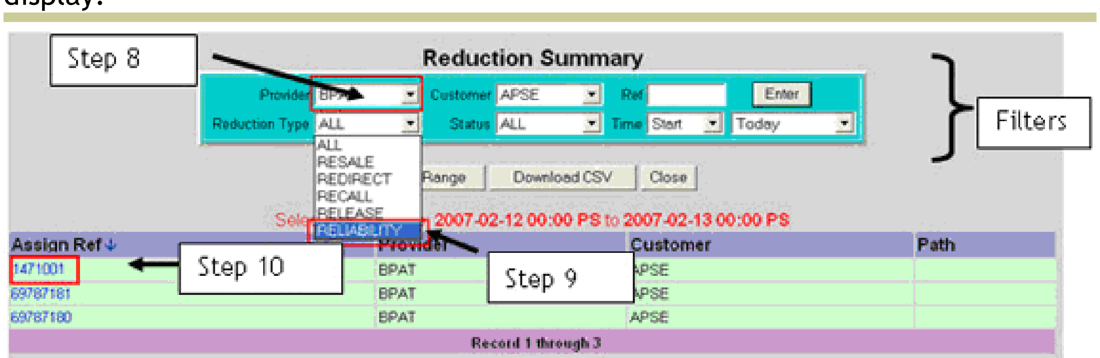
I. Reliability Limits and Outages Information

Reservation Reliability Limits

1. Final Preschedule Total Transfer Capability (TTC) and Total Flowgate Capability (TFC) is determined no later than 08:00 PPT for the next Western Electricity Coordinating Council (WECC) Preschedule day(s).
2. BPA Transmission Services' Real-Time schedulers will place Reliability Limits on affected TTC paths prior to 22:00 PPT for the next Preschedule day.
3. Despite a TSR Reliability Limit, Customers may schedule up to the full TSR transmission demand.
4. TSR Reliability Limits will be updated when any changes to TTC occur during the Real-Time window.
5. If a Reliability Limit impacts the transmission demand of a TSR, Customers with User and Company Details configured to receive dynamic notification will automatically receive notification of that impact by email or through a specified web address.
   a. For Customers not configured to receive dynamic notification, Reliability Limits on a TSR can be viewed on OASIS at http://www.oasis.oati.com.
6. If necessary, BPA Transmission Services will implement reliability reduction procedures at the end of the scheduling hour for the next hour.
   a. BPA Transmission Services will curtail schedules pro-rata according to NERC Curtailment priority
7. To view the Reliability Limits for a TSR, access OASIS and click the Reductions button. The Reductions Summary screen will display.

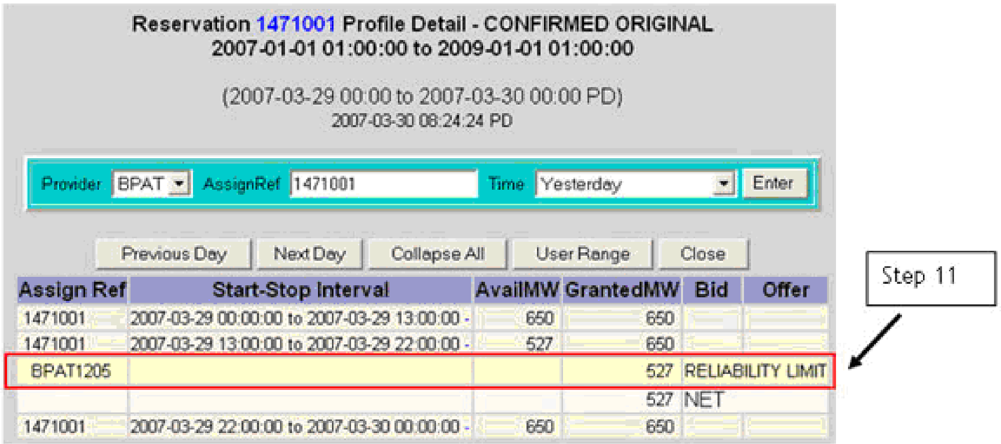


8. Select the name of the Transmission Provider from the Provider drop-down menu.
9. Select RELIABILITY from the Reduction Type drop-down menu and then click Enter. The AREFs that apply to the filters selected will display.



10. To view the details of the Reliability Limit on a specific TSR, select that TSR's AREF from the AREF field. The Reliability Limit details will

display.



11. The example above displays a Reliability Limit of 123 MWs placed on the confirmed TSR between hours 13:00 to 22:00 on March 29, 2007

J. Additional Information
Policy Reference

- OATT Sections: 13, 14, 16, 17, 18 ,19, 22 and 29
- NERC Reliability Standards
- WECC Reliability Management System (RMS) M.2.b.4 and M.2.b.5
- NERC e-Tag timing specification

Related Business Practices and Documents

- Intra-Hour Scheduling Pilot Program
- New Customer Application Process
- On Demand Resource Scheduling
- Operating Reserves
- Real Power Loss Returns
- Redirects
- Redispatch & Curtailment
- Requesting Transmission Service
- Conditional Firm Transmission Service

Version History

Version 17	3/1/15 Version 17 incorporates changes to update current scheduling practices to reflect changes to policy for use of existing transmission for third party supply of Balancing Reserves.
Version 16	9/29/14 Version 16 incorporates changes to update current scheduling practices and implement 15-minute scheduling.
Version 15	4/30/2014 Version 15 includes an update to the Validation Rules for Schedule Path table on page 10 for the G-NF Usage Check

Version 14	3/24/14 Version 14 has been updated with the following change to Section A: • Added steps 9 for Scheduling requirements for Self Supply of Balancing Reserves.
Version 13	01/13/14 In FERC docket ER13-1146-001 and ER13-1193-001,FERC clarified that last-in, first out curtailment among similarly-situated non-firm customers is discriminatory and is not an acceptable curtailment practice. To meet this clarification, BPA Transmission Service has updated Section J of the Scheduling Business Practice. Reservation Reliability Limits and reliability reductions for non- firm will no longer be based on last in, first out. Reservation Reliability Limits issued for next day, in the Real Time window and reliability reductions for next hour will be based on NERC Curtailment priority (1-NS, 2-NH, 3-ND, 4-NW, 5-NM, 6-NN (including 6-CF), and 7-F) and on pro-rata within each NERC Curtailment priority. Version 13 has been updated with the following changes to Section J:+ • Removed "Next Hour" from the "Next Hour Reservation Reliability Limits" title • Added "TSR" to "Reliability Limits" in Steps 2 and 3 • Deleted Steps 3.a and 3.b • Added Step 6.a
Version 12	10/01/13 Version 12 has been updated with the following change to Section A: • Added steps 7 and 8 for Scheduling requirements for Third Party Supply of Balancing Reserves and Supplemental Service Balancing Reserves.
Version 11	08/27/13 Version 11 includes the following changes: • Section C.2.c has been updated to have the Ancillary Service window close at 10 minutes before the start of service instead of 20 minutes before the start of service • All references to RODS have been replaced in sections A.2 and B.1. • Section C.1.c. has been removed since 15-Minute Rule is no longer done.
Version 10	3/22/13 Version 10, Section E.2, has been updated to clarify that a Customer’s e-Tag will fail if they have not received a confirmed transmission reservation before submitting an e-tag. BPA Transmission Services will no longer manually re-validate failed tags.
Version 9	09/28/12 Version 9 includes the following updates: Section A: Step A.1.n.i. Removed reference to INT-016-WECC-CRT-1 and replaced with NAESB WEQ Standard Section B: Added Step 4 to prohibit stacking NFP and PTP capacity; added Daily, Weekly and Monthly Non-Firm transmission to the Tagging Suffixes Table in Step B.5 Section C: Changed Step 2.a Submission of E-Tags During Real-Time window beginning to 1600 from 1800; added Step 2.b. referencing INT-006-3 in relation to e-Tag processing; and added Step 2.d. to align the opening of the window for Ancillary Service data with the 1600 Submission of E-Tags During

	Real-Time window Section E: Under the Validation Rules for Schedule Path chart, added clarification update for Capacity Recallable Tag; add G-NF Usage Check Validation Section F: Incorporated the Network Congestion Validation Bulletin Section G: Deleted Contact Information and replaced with Customer Data Entry (CDE) Section H: Deleted Network Congestion Validation and incorporated the Northwest Market Hub bulletin Section I: Incorporated Processing Transactions for Stranded Loads Due to Network Outages in BPA System Bulletin and changed title to Alternative E-Tag Procedures for Discretionary Offer of Transmission for Stranded Load Section J: Incorporated Reliability Limits and Outages Information Bulletin
Version 8	04/17/12 Version 8 also includes the following updates:Incorporates updates based on current emergency (e.g. scheduling system outage) energy delivery practices as well as revisions that reflect more up to date naming conventions., Added export Capacity Recallable Energy (C-RE) from the BPA BAA by a source that is responsible for supplying BPAT Contingency Reserves.,Added Validation Rules for Schedule Path chart of a Recallable Tag to include the ability to export Capacity Recallable Energy (C-RE) from the BPA BAA by a source that is responsible for supplying BPAT Contingency Reserves. The Recallable Tag replaces the Valid Product Code. Specific updates include: General-Changed all Control Area references to Balancing Authority Area;Section A-Updated step 1.i. to include, “or Network and Montana Intertie”, Step A.1.l: Added clarification for transactions on the DC Intertie., Step A.1.m: Updated to be specific to a BPAT scheduling system (OATI webTrans) outage, Added A.1.n. to address a Sink PSE/Scheduling Agent scheduling system outage and WECC Interchange Authority Tool (WIT) system outage, Corrected typographical error in 2.a, Removed reference to Redispatch and Curtailment BP in 2.c.i, Moved NT acronym in 5, Added 5.a.iii to exclude PS customers receiving NT Block in our BA from scheduling;Section B-Removed reference to Conditional Firm BP in 2; Section C-Amended the preschedule window, Corrected typographical error in 1.b.ii, Removed reference to INT-007-WECC-CRT-1 in 2.b; Section D-Corrected Standard version in 2, Removed 3. Phone call to Sink BA; Added new 3, regarding the addition of Emergency e-Tag comments to expedite processing; Section E-Added the In-Hour NSA, PSANI and TLR Avoidance to the Validation Rules for Schedule Path table.,Validation Rules for Schedule Path chart under Valid Product Code updated validation to "Recallable Export Tag", modified validation criterion and updated Denial Reason.

Version 7	05/12/11 Under the General Procedures and Requirements section, deleted 2.iii Loss Return Sc hedules; deleted 5.b.i and added 5.c relating to 7-FN NERC priority code effective 06/09/11; added under E-Tag Submittal Windows section 1.a chart "earlier" and deleted "later" and added "...close of the California Independent System Operator (CISA) market, whichever is later" and deleted "...posted BPAT Preschedule accommodation time."; added 7-F and 7-FN and NT to 2.a, 2.b and 2.b under the E-Tag Validation Rules section; and added the Concurrent Losses line on the Validation Rules for Schedule Path chart.
Version 6	04/20/11 Under the Scheduling for Emergency Energy Delivery section, moved 4 to 2.b under the E-tag Submittal Windows section.
Version 5	4/1/11 Version 5 includes the following changes: • Added the definition Late E-tag: Time classification assigned by an Interchange Authority (IA) in accordance with the WECC Timing Requirements Table in Standard INT-006-3, Response to Interchange Authority, or it's successor. If arranged Interchange is submitted less than 10 minutes prior to ramp start and less than or equal to 1 hour after the start time, the IA assigned time classification is "Late". • Scheduling for Emergency Energy Delivery Transmission Services Section • Added to step 2: “BPA Transmission Services will process Emergency e-Tags in accordance with INT-001-WECC-CRT-2 and INT-007-WECC-CRT-1 or their successors.” • Replaced step 4 with “BPA Transmission Services will deny Late e-Tags as defined by the Timing Requirement table of INT-006-3 and in accordance with INT-007-WECC-CRT-1, or their successors.”
Version 4	12/2/10 Version 4 of this business practice has been updated to encourage Customers that submit Firm NT schedules to immediately begin using the 7-FN NERC Curtailment Priority code, rather than 7-F, to facilitate NT Firm Redispatch, pursuant to Attachment M of the OATT. Version 4 includes the following changes to section 3: • Added step 3.21.1. • Added subtitle “Point-to-Point (PTP) Transmission Service”. • Added step 3.22.
Version 3	01/04/10 Version 3 of this business practice has been updated with the following changes: Section 2: Definitions • Blanket Function definition updated. • Added the definitions Transmission Profile and Energy Profile. Section 3: General Procedures and Requirements • Step 3.1 added the last sentence from version 2, step 3.3 • Deleted steps 3.3 and 3.3.1 • Moved step 7.3 to step 3.7 • Added “prior to preschedule day” to step 3.14 • Added Blanket Function in steps 3.17 through 3.17.3 Section 4: Transmission Service Product Types • Changed contract to Service Agreement throughout • Deleted step 4.1.2 • Updated Tagging Suffixes chart to reflect system changes Section 6: Scheduling for Emergency Energy Delivery • Added “Transmission Services will approve late tags” to step 6.4 • Deleted steps 6.4.1 through 6.5.3 to remove direct language from WECC INT-BPS-007-0. Content did not change. Section 7: E-Tag Validation Rules • Deleted step 7.3
Version 2	10/13/09 Version 2 of this business practice adds clarification in step 3.5 when a customer does not submit a schedule for a given hour, they will be deemed to have a schedule of zero megawatts for that hour.
Version 1	04/10/09 The Scheduling Transmission Service Business Practice is the result of separating the Reservation and Scheduling Procedures Business Practice into two new business practices: Requesting Transmission Service and Scheduling Transmission Service. In addition, the Scheduling Transmission Service Business Practice incorporates the E-Tag Requirements Business Practice, Version 5 and the following bulletins: • CBPI Bulletin 1: Transmission Account Building • CBPI Bulletin 5: E-Tag Equals Tx Schedule • CBPI Bulletin 9: Submit Tx Sched, Version 4 • CBPI Bulletin 11: E-Tag Timing Validations • Bulletin: Reservation and Scheduling for Emergency Energy Delivery • Bulletin: Short-Term Firm Product Minimum Lead Time Changes

K. APPENDIX A

Tagging Suffixes

Tagging Suffixes		
Transmission Service/Product Type	**Description**	**Product Suffix Code**
PTP Network Firm PF NT Network Firm PF/Block NT Monthly Non-Firm (MNF) PF/Block PTP MNF PF/Block NT Weekly Non-Firm (WNF) PF/Block PTP WNF PF/Block NT Daily Non-Firm (DNF) PF/Block PTP DNF PF/Block NT Hourly Non Firm (HNF) PF/Block PTP HNF PF/Block	PF and/or block Service Agreement with BPA Power Services for Firm and Non-Firm NT and PTP transmission schedules	<xxxxx>-PF
No Demand Check (ND)	ND service exempts certain Contracts from automated demand checks.	<xxxxx>-ND
No OASIS Required (NOR)	NOR Service exempts the segment of the transaction from incurring transmission charges and loss obligations. The use of NOR Service is limited to certain paths and/or owners.	Service-NOR
Non-Federal Ownership of the Pacific AC Intertie	Allows e-Tags to pass contract validation for entities with NFP where no specific AREF exists.	<xxxxx>-NFP

Tagging Suffixes		
(NFP)		
NT Network Firm PF/Block	PF and/or block service agreement with BPA Power Services for Firm NT Transmission schedules with no Demand Check.	<xxxxx> - PFN
Conditional Firm	Conditional Firm PTP or NT Reservation. The e-Tag can only reference the AREF.	<AREF>- CF
On Demand Balance	Customer-Supplied Generation Imbalance for On Demand INC or DEC schedule.	ODB
Integration of Resources (IR) Losses	Loss returns for IR Contracts.	L1
Formula Power Transmission (FPT) Losses	Loss returns for FPT Contracts.	L2
NT Losses	Loss returns for NT Contracts.	L3
PTP Losses	Loss returns for PTP on the Network, and Southern Intertie.	LP
Non-Federal Participant Owner Losses	Loss returns for NFP Owners on the Intertie and Ownership Share Demand Overrun.	L7
Northern Intertie (NI) Loss Return	Loss returns for NI Owners. L9	L9
Return of Over-Delivered Losses (LR)	Return of Over-Delivered Losses LR	LR
Balancing Reserve (LR)	Balancing Reserves BR	BR

L. APPENDIX B

E-Tag Validation Rules

Acronyms:

BAA: Balancing Authority Area

TP: Transmission Provider

BPAT: Bonneville Power Administration Transmission

TC: Transmission Customer

PSE: Purchasing or Selling Entity A load, generator, generation provider, Transmission Customer, or other party.

Validation Rules for Schedule Path		
Criteria	**Description**	**Denial Reason**
Energy Profile	This check examines the transmission MW profile of the e-Tag to ensure that it has sufficient capacity to cover the energy schedule MW profile.	Energy profile is bad
Scheduling Window	Upon receipt of an e-Tag, BPA Transmission Services e-Tag system will automatically validate the submittal time of each e-Tag to ensure it falls within the posted scheduling windows.	Tag Timing
Scheduling Entity (SE) Usage	Where BPAT is an SE in a transmission physical segment, verify that BPAT is not referenced in a string containing other SEs.	Path SE Usage
SE Adjacency	Where BPAT is an SE, the upstream/downstream SE, Generation BAA and Load BAA is verified to be adjacent to BPAT. A null adjacent SE is INVALID.	Path SE Adjacency
TP-SE Association	For each physical segment where BPAT is referenced as an SE or a TP, the SE and TP designated on that physical segment will be verified as a valid association, including associated POR/POD path for that TP.	Path TP-SE Association
POR/POD to Adjacent Point	Verifies that the point adjacent to a given POR/POD is valid for the POR/POD.	Path POR/POD to adjacent Point
POR/POD to SE Adjacency	Where BPAT is the SE, the POR/POD on the physical segment will be verified as being valid for the adjacent upstream/downstream SE, Generation BAA/Load BAA.	Path POR/POD to SE Adjacency
POR/POD to Source/Sink	Where BPAT is the Generation BAA/Load BAA, verify that the POR is valid for the Source and/or the POD is valid for the Sink. A null Source or	Path POR/POD to Source/Sink

Validation Rules for Schedule Path		
	Sink in the e-Tag is considered an error.	
Reserve Obligation	Where BPAT is the e-Tag Generation BAA and not the WECC Responsible Entity, verify that the Reserve Obligation Multiplier is correct for the e-Tag source.	INVALID Reserve Obligation
WECC Reserves	Where BPAT is the e-Tag Reserve Responsible Entity, verify that BPAT is also the Generation BAA or Load BAA.	WECC Reserves
In-Hour Net Scheduling Availability (NSA)	Where BPAT is the TP, verify that an in-hour request will not cause net schedules to exceed BPA's share of the path	NSA Check: Segment = x NSA = x
In-Hour PSANI	When a PSANI curtailment or a PSANI OSG procedure has been implemented	Intra-Hour Schedules
In-Hour TLR Avoidance	When BPAT's network congestion validation is activated, verify that an in-hour request with non-deminimus or greater than 10MW ATC impacts on the applicable flowgate are not accepted	TLR Check: FG = x TDF = x Impact = x
Concurrent Losses	Where BPAT is the SE in a transmission physical segment, verify there is not physical energy loss	Disallow Concurrent Losses
Capacity Recallable Tag	Where BPAT is the Generation BAA, and the tag type is Recallable, verify that the recallable energy is being used to meet BPAT's Contingency Reserves responsibility, the WECC Responsible Entity is the Load BAA and the reserve % is 100.. Where BPAT is the Load BAA, verify that the tag type is not Recallable.	Capacity Recallable Tag Validation
G-NF Usage Check	Verifies that BPAT is not the Load	BPAT cannot be the Load BAA

Validation Rules for Schedule Path		
	BAA or WECC Responsible Entity (RE) on G-NF e-Tags Where (A) BPAT is the e-Tag Generation Balancing Authority, (B) the e-Tag has a Type of Normal, and (C) the energy product code on the e-Tag is G-NF, then the Reserve Obligation will be the Load BA and the Multiplier will be 100%. The Reserve Obligation Multiplier for an e-Tag using NOB as a POR or POD may not be 100%. Delivery pursuant to a G-NF e-Tag may only be interrupted to supply BPAT with balancing reserves.	or WECC RE on G-NF eTags
Third Party Supply of Balancing Reserves. Self Supply, or Supplemental Service Balancing Reserves	This check ensures that e-Tags meet the requirements for Third Party Supply, Self Supply, or Supplemental Service Balancing Reserves.	Invalid Tag Requirements for 3PS, SSor SUP

Validation Rules for Product Suffix Code (See Tagging Suffix Table above in B.4)		
Validation Criteria	**Description**	**Denial Reason**
Suffix	The Contract Number Suffix, where required, associated with any BPAT transmission service will be verified against the list of valid Product Suffix Codes. The remaining Suffix validations are not performed if this step fails.	Suffix INVALID Code
Agreement Type for Suffix	Determine whether the reference in the OASIS/Contract field is an AREF or BPAT contract & determine whether the Suffix is valid for that reference type (AREF or Contract).	Suffix Agreement Type
NERC Priority for Suffix	Verifies that the NERC Priority on the e-Tag is valid for the Suffix referenced.	Suffix NERC Priority

Validation Rules for Product Suffix Code (See Tagging Suffix Table above in B.4)		
Service Type for Suffix	Verifies that the contract type of the underlying and supporting contract (as directly referenced in the contract number field or from the OASIS reservation if the e-Tag Contract # is an AREF) is valid for the Suffix referenced.	Suffix Service Type
SourceAn OASIS field on a TSR that is the contractual POR. for Suffix	Where BPAT is the Generation BAA`, verifies that the Source listed in the e-Tag is valid for the Suffix.	Suffix Source
SinkAn OASIS field on a TSR that is the contractual POD. for Suffix	Where BPAT is the Load BAA, verifies that the Sink listed in the e-Tag is valid for the Suffix.	Suffix Sink
POR/POD Owner for Suffix	Verifies that the POR/POD and Owner are valid for the Suffix referenced.	Suffix POR/POD Owner

Validation Rules for Contracts or AREF Number		
Validation Criteria	**Description**	**Denial Reason**
Blanket Customer	Verifies that the TC Owner on the transmission allocation of the e-Tag matches the owner of the transmission specified in the contract or AREF Number.	Blanket Customer
Blanket POR/POD	Verifies that the POR/POD referenced on the e-Tag is valid for the supporting contract or AREF Number.	Blanket POR/POD
Blanket Priority	Verifies that the	Blanket Priority

Validation Rules for Contracts or AREF Number		
	NERC Priority specified on the e-Tag is valid for the supporting contract or AREF Number.	
Blanket Capacity/Demand MW	Verifies that the supporting contract or AREF Number has sufficient unused confirmed capacity to for the e-Tag.	Blanket Capacity/Demand MW
Contract #	Verifies that the contract number referenced in the OASIS Contract # field of the e-Tag is a valid BPAT transmission contract.	INVALID Contract/AREF
Customer for Contract	Verifies that the TC Owner on the transmission allocation of the e-Tag matches the owner of the transmission specified in the contract.	Contract Customer PSE Code
NERC Priority for Contract	Verifies that the NERC Priority specified in the e-Tag is valid for the contract or reservation specified, such as 7-F, 2-NH, 6-NN.	Contract NERC Priority
POR/POD for Contract	Verifies that the POR/POD referenced on the e-Tag is valid for the supporting	Contract POR/POD, Start/StopF. Network Congestion Validation This validation enables BPA Transmission Services to restrict new transmission sales while network congestion is being

Validation Rules for Contracts or AREF Number		
	contract, for the e-Tag TC Owner, and for the period of flow (from OASIS reservations or from BPAT contract data).	mitigated. Use of the network congestion validation will continue until further notice. 1. To minimize the number of new TSRs that are processed when it is anticipated that congestion on the network will cause the capacity on any flowgate to exceed the limits, a network congestion event will be declared. 2. During a network congestion event, BPA Transmission Services will activate the network congestion validation on OASIS for the impacted flowgate(s) and impacted hour(s) for new TSRs. 3. BPA Transmission Services will post the implementation and status of the validation for the impacted flowgate(s) on OASIS at http://www.oasis.oati.com in WestTrans. a. To view the posting, click the Notices tab. Select CURTAILMENT in the Category field and select the time period on the Message filter. b. Customers can sign up to receive notification of the postings on the OASIS website at Options, Alarm Preferences. 4. BPA Transmission Services will also post the implementation and status of the validation for the impacted flowgates via WECCNet. a. Customers can sign up to receive WECCNet messages via registration form on the WECC web site at www.wecc.biz under Committees. Quick Link to CIIMS and select Documents. 5. When the network congestion validation is activated: a. Available Transfer Capability (ATC) posted in SysData on OASIS for the impacted flowgate(s) will be changed to zero during the impacted hour(s). ATC for the North of Hanford S>N and South of Allston S>N flowgates is not posted in SysData on OASIS. b. New TSRs on the network will be evaluated

Validation Rules for Contracts or AREF Number		
		for network ATC impacts, for purposes of the network congestion validation only, on the impacted flowgate(s) using the ATC Implementation document. c. New TSRs that do not request MW over the impacted flowgate(s) or during the impacted hour(s) will pass the network congestion validation process. d. New resales and new loss returns on the impacted flowgate(s) during the impacted hour(s) will pass the network congestion validation process. e. New TSRs with de minimis impacts on the impacted flowgate(s) during the impacted hour(s) will pass the network congestion validation process. f. New TSRs with non-de minimis ATC impacts on the impacted flowgate(s) during the impacted hour(s) will fail the network congestion validation process. g. New TSRs that fail the network congestion validation process will be REFUSED with an error message “Network Congestion” in the seller comments field. i. New TSRs that fail the network congestion validation process will not be evaluated for counteroffers. ii. New Redirect TSRs will be evaluated on the redirected path only. 6. When the network congestion event has been resolved, network congestion validation will be turned off and new TSRs will be processed by normal procedures.