

Scheduling Transmission Service

BPA Transmission Business Practice

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This business practice describes the process and guidelines for scheduling transmission services from BPA.

~~Bilateral redispatch for Congestion Management is a program in which BPA establishes agreements with third parties for INC and DEC Resources for the purpose of providing flow relief.~~

~~See the Energy Imbalance Market (EIM) Business Practice for information on scheduling EIM transfers.~~

BPA Policy Reference

- [Open Access Transmission Tariff \(OATT\)](#): Sections 13; 14; 16; 17; 18; 19; 22; 29
- [Transmission Rate Schedules/Provisions](#): Network Integration Rate; Point-to-Point Rate

~~See the Energy Imbalance Market (EIM) Business Practice for information on scheduling EIM transfers.~~

For more information, visit the [BPA Transmission Business Practices webpage](#) or submit questions to techforum@bpa.gov.

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A. General Procedures ~~and~~ Requirements

1. ~~Submitting t~~Transmission schedules:

- a. All transmission schedules must be submitted via through the e-Tag process.
- b. Customers may contact BPA if they are unclear about how they should submit a transmission schedule.
- c. 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 e-Tagged from the original Source to the final Sink.
- f. If a transaction involves the Network and PNW AC Intertie, the Network and Pacific DC Intertie, or the Montana Intertie and Network, all transmission segments must be submitted on the same e-Tag.
- g. When the PNW AC Intertie is on an e-Tag, Customers are not permitted to stack Non-Federal Ownership of the PNW AC Intertie (NFP Product Suffix Code) and BPA PTP Transmission Capacity.
- ~~f.h.~~ If the Customer does not submit a schedule for a given interval, for all purposes, BPA will deem the Customer to have submitted a schedule of zero megawatts for that interval.
- ~~g.i.~~ Customers may use more than one supporting reservation to meet a single e-Tag demand.
- ~~h.j.~~ Customer is responsible for the management of its schedules and reservations.
- ~~i.k.~~ 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 or to the Reno Alturas path.~~
- ~~l. All transactions into or out of the Northwest Market Hub (NWH) or COBH must net to zero on all intervals.~~
- ~~m. Scheduling on the Pacific DC Intertie (PDCI)~~
 - ~~i. During a declared Emergency, intra-hour changes to PDCI schedules will be allowed. An Emergency e-Tag type must be used on the PDCI for a declared Emergency event.~~

~~ii. Transactions on the PDCI must be in whole hour increments or 15 minute increments.~~

~~n. In the event of a Requesting PSE/Scheduling Agent scheduling system outage, BPA 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 an interchange software failure, BPA will operate in accordance with INT 020 WECC CRT 2 or its successor.~~

~~e.l.~~ Nothing in this business practice conveys rights to submit Schedule Requests if a Customer does not otherwise have such rights by contract.

~~p.m.~~ Customers should submit e-Tags only for the purpose of using the reserved transmission rights to deliver energy products across the identified path to the specified delivery location for ~~n~~N~~on-f~~Firm transmission. (Identical language is intentionally reinforced in the Requesting Transmission Services Business Practice.)

- i. The intentional creation and withdrawal of e-Tags with no expectation of actual energy delivery for the intended purpose of creating counter-flow ATC to allow a Customer to acquire additional ~~n~~N~~on-f~~Firm transmission rights, is not considered a genuine transaction.
- ii. This behavior impacts BPA's ability to efficiently and equitably manage its transmission product offerings pursuant to the BPA OATT.

~~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 curtailment 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.~~

~~3.2.~~ Network Integration (NT) Transmission ~~(NT)~~ Service:

- a. The following NT Customers do not need to submit transmission schedules to BPA:
 - i. BPA and BPA Power Services full requirements Customers within BPA's Balancing Authority Area.
 - ii. BPA Power Services' partial requirements Customers, with the exception of that portion of the partial requirements Customer's Network Load not being served by a BPA Power Services partial requirements contract.
 - iii. BPA Power Services' Block Product Customers that have assigned their ~~s~~Secondary ~~NT-Network~~ Service rights to BPA 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 curtailment priority code.

4.3. Point-to-Point (PTP) Transmission Service:

- a. Customers submitting Firm PTP schedules are required to use the 7-F curtailment priority code.

4. 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 curtailment 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.

5. California Oregon Border Hub (COBH):

- a. California Oregon Border Hub (COBH) transactions are not allowed to continue south on the ~~Southern Intertie~~ PNW AC Intertie to California or to the Reno-Alturas path.
- b. All transactions into or out of COBH must net to zero on all intervals.

6. Alternate e-Tag procedures for discretionary offers of transmission for stranded load:

- a. Customers needing to serve stranded load should contact their assigned Transmission Account Executive or the BPA Capacity Desk for assistance.
 - i. BPA may use its discretion to offer transmission service when posted ATC is not sufficient, but BPA knows that sufficient ATC is available to accommodate the service request.

7. Scheduling system or software disruption:

- a. In the event of a Requesting Purchase Selling Entity (PSE)/Scheduling Agent scheduling system outage, BPA will advise the Requesting PSE/Scheduling Agent to contact another entity in the transaction chain in accordance with NAESB WEQ Standard, WEQ-004 or its successor to affect scheduling until the issue is resolved.
- b. In the event of an interchange software failure, BPA will operate in accordance with INT-020-WECC-CRT-4 or its successor.

5.8. Test ~~E~~e-Tags:

- a. E-Tags submitted for test purposes will automatically pass the ~~D~~demand ~~validations~~-checks validation.
- b. Test e-Tags will not impact ATC, AREF or Interchange.

- c. The approval status of a test e-Tag will be set based on the results of all other validation checks. listed in Appendix B. E-Tag Validation Rules. A list of e-Tag validation checks and denial reasons is available on the Customer Training webpage under "Scheduling."

B. Scheduling Reserves

1. Self-~~S~~supply of Operating Reserves:
 - a. BPA 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 assigned Transmission 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 ~~P~~party ~~S~~supply of Balancing Reserves:
 - a. Third party supply ied Balancing Reserves must be scheduled:
 - i. On Firm PTP;
 - ii. To the third party supply centroid, BPA.3PS; and
 - iii. Using ~~e~~Capacity or ~~d~~ynamic type e-Tags.
 - b. 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 may reference the AREF, not the Blanket Function.
 - d. Third party supply ied Balancing Reserves ~~is-are~~ not subject to loss return.
3. Self-~~S~~supply of Balancing Reserves:
 - a. Self-~~S~~supply ied Balancing Reserves must be scheduled ~~on Firm PTP~~:
 - i. On Firm PTP;
 - ii. To the Self-~~S~~supply centroid, BPA.SS; and
 - iii. Using ~~e~~Capacity or ~~d~~ynamic type e-Tags for each ~~S~~self-~~S~~supply Balancing Resource.
 - iv. See [the Self Supply of Balancing Reserves Business Practice](#), Section E. Procedures for Designating a Self Supply Centroid.
 - b. Participants must work with BPA to register a Source/Sink ending in .SS. See [the Self Supply of Balancing Reserves Business Practice](#).
 - c. Customers will receive a billing credit for the transmission allocation scheduled to deliver ~~S~~self-~~S~~supply ied Balancing Reserves.
 - d. Self-~~S~~supply ied Balancing Reserves are not subject to loss return.

C. Transmission Service Product Suffix Codes

1. 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.~~
2. When utilizing a Product Suffix Code on ~~the an~~ e-Tag, enter the five-digit Service Agreement number or the AREF number followed by a hyphen then the applicable Product Suffix Code.
3. A list of transmission service product types and associated Product Suffix Codes is available on the Customer Training webpage under "Scheduling."
3. ~~When e-Tagging BPA Loss Returns, enter BPA Power into the Point of Delivery (POD) field and BPA LOSS into the SINK field.~~
4. ~~For the Pacific AC Intertie on the e-Tag, Customers are not permitted to stack Non-Federal Ownership of the Pacific AC Intertie (NFP) and BPA PTP Transmission Capacity.~~

D. E-Tag Submittal Windows

1. The timing for submittal of e-Tags as discussed in this business practice is different than the submittal timing for Base Schedule Submission by EIM participants. ~~Both apply to Transmission Customers.~~ See the EIM Business Practice for information on Base Schedule Submission.
2. BPA scheduling interval(s) start and stop times are the following: XX: 00, XX: 15, XX: 30, and XX: 45.
- 6.3. If the Ramp Duration on the e-Tag is left blank, the WECC default Ramp Duration will be designated.
- 7.4. BPA will process e-Tags as defined in the WECC Timing Requirements table in NERC INT-006-4 or its successors.
 - a. Real-Time: BPA may deny late e-Tags as defined by the Timing Requirements table of INT-006-4 or its successors.
 - b. After The Fact (ATF): Customer should contact the BPA ATF work group prior to the creation of an ATF e-Tag.

E. CDE Data Submission

1. Data submitted into the Customer Data Entry (CDE) system must be in hourly increments. T-7 Days, Preschedule, and Real-Time submittal windows are listed in the table below.
2. See the CDE User Guide for information on how to submit data via CDE-generation estimate submission requirements.
3. See the Oversupply Management Protocol (OMP) Business Practice, Section C, Establishing Minimum Generation Levels and Maximum Ramp Rates for additional details.

Data Type	T-7 Days		Preschedule Window		Real-Time Window	
	Open	Close	Open	Close	Open	Close
Load Estimate	N/A	N/A	08:00:00 PPT	18:00:00 PPT	22:00:00 PPT	10 minutes prior to the Operating Hour
Energy Imbalance Payback Schedules	N/A	N/A	08:00:00 PPT	14:00:00 PPT	22:00:00 PPT	30 minutes prior to the Operating Hour
Generation Estimates	08:00:00 PPT	18:00:00 PPT	08:00:00 PPT	18:00:00 PPT	22:00:00 PPT	10 minutes prior to the Operating Hour
Generation Imbalance Payback Schedules	N/A	N/A	08:00:00 PPT	14:00:00 PPT	22:00:00 PPT	20 minutes prior to the Operating Hour
Operating Reserves Load Estimates	N/A	N/A	08:00:00 PPT	18:00:00 PPT	22:00:00 PPT	30 minutes prior to the Operating Hour
Note:	A party that submits an e-Tag during the Real-Time Window does not need to submit a data entry into CDE during the Real-Time Window					

F. Emergency E-Tags

1. BPA will process Emergency e-Tags in accordance with requirements of INT-007-WECC-CRT-45 or its successor, and WEQ-004 or its successor.
2. E-Tag start time can be no more than 10 minutes in the past.
3. Requestor must have a valid transmission reservation for the BPAT segment of an e-Tag. BPA hourly transmission products may be reserved within hour if available capacity exists.
4. If BPA is the ~~s~~Sink BAA for the emergency request, the ~~R~~requestor should notify BPA of the nature of the emergency via phone call to Transmission Scheduling, (360) 418-2878.

G. E-Tag Validation Rules

1. All e-Tags will be validated by BPA 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.~~
- ~~4.3.~~ E-Tags that fail validation can be corrected within the appropriate approval window.
- ~~4. All e-Tags are validated to ensure there is a Confirmed reservation(s) to support e-Tags (demand check) unless Customers meet one of the following criteria:~~
- ~~5. Demand check validations will be performed on all e-Tags unless Customers meet one of the following criteria:~~
 - a. Retain an ~~FPT (7-F)~~ or NT Memorandum of Agreement (MOA) (7-FN) contract with BPA that addresses special scheduling provisions for specific Firm Transmission Demand that is not explicitly represented by Open Access Same-Time Information System (OASIS) reservations and submit Firm e-Tags with the -

- ND Product eSuffix Code appended to the Reference-OASIS field of the e-Tag's transmission allocation.
- b. Retain an NT Service Agreement with BPA that requires the reservations to indicate specific PORs 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 Product eSuffix Code appended to the Reference-OASIS field of the e-Tag's transmission allocation.
- c. For Non-Federal Ownership of the Pacific-PNW AC Intertie the tagging entity must submit Firm (7-F) e-Tags with the -NFP Product eSuffix Code appended to the Reference-OASIS field of the e-Tag's transmission allocation.
- d. Retain a Priority Firm Power (PF) and/or Block NT Service Agreement(s) and submit Firm (7-FN) e-Tags with the -PFN Product eSuffix Code appended to the Reference-OASIS field of the e-Tag's transmission allocation.
- 5. A list of e-Tag validation denial reasons is available on the Customer Training webpage under "Scheduling." BPA validation rules are described in Appendix B.

H. Northwest Market Hub

- 1. The Northwest Market Hub (NWH) is a BPA 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 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~~ All transactions into or out of the NWH must net to zero for each interval.
 - a. BPA will not accept unbalanced NWH schedules.
 - b. 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.~~

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

- ~~1. 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 may use its discretion to offer transmission service when posted ATC is not sufficient, but BPA knows that sufficient ATC is available to accommodate the service request. Customers needing to serve stranded load for planned outage should contact their assigned Transmission Account Executive. For stranded load due to unplanned outages, Customers may contact BPA's Real Time Scheduling staff for assistance.~~

J.I. Reliability Limits & and Outages Information

1. BPA's Real-Time schedulers will place TSR Reliability Limits on affected TTC paths prior to 22:00 PPT for the next Preschedule day.
2. Despite a TSR Reliability Limit, Customers may schedule up to the full reserved ~~t~~Transmission ~~d~~Demand.
3. TSR Reliability Limits will be updated when any changes to TTC occur during the Real-Time ~~w~~Window.
4. If a Reliability Limit impacts the ~~t~~Transmission ~~d~~Demand of a reservation, Customers configured to receive email notification for Notification Event = SECURITY_LIMITS will automatically receive notification of that impact by email. See the [Supplemental OASIS User Guide](#) for details on how to subscribe.
 - a. For Customers not configured to receive email notification, Reliability Limits on a reservation can be viewed on OASIS at <http://www.oasis.oati.com>.
5. If necessary, BPA will implement reliability reduction procedures.
 - a. BPA will curtail ~~schedules-e-Tags~~ pro_-rata according to curtailment priority.

K. Scheduling Bilateral Redispatch for Congestion Management

- ~~1. A Customer must have a bilateral agreement with BPA to supply Bilateral Redispatch for Congestion Management.~~
- ~~2. Bilateral Redispatch for Congestion Management must be scheduled as follows:~~
 - ~~a. On an ORIGINAL request.~~
 - ~~b. On Firm or Non Firm PTP.~~
 - ~~c. The transaction type (e-Tag) is Normal.~~
 - ~~d. Customers must reference the AREF, not the Blanket Function.~~

- i. ~~Customers must have a corresponding Confirmed Reservation with BPAT.RD.~~
- e. ~~For a DEC e-Tag:~~
 - i. ~~The Source is BPAT.RD~~
 - ii. ~~The Source BA is BPAT~~
 - iii. ~~The downstream POR from the Source is BPAT.RD~~
 - iv. ~~BPA will work with Customers in determining the Sink points and corresponding POD point~~
- f. ~~For an INC e-Tag:~~
 - i. ~~The Sink is BPAT.RD~~
 - ii. ~~The Sink BA is BPAT~~
 - iii. ~~The upstream POD from the Sink is BPAT.RD~~
 - iv. ~~BPA will work with Customers in determining the Source point and corresponding POR point.~~
- g. ~~Schedules utilized for Bilateral Redispatch for Congestion Management are not subject to Losses.~~
- 3. ~~Additional information can be found in Section B of the Redispatch and Curtailment Procedures Business Practice.~~

L.J. -Reno-Alturas Intertie Scheduling Guidelines

1. The Reno-Alturas Intertie (~~RATS~~), is NV Energy's Hilltop-Bordertown-North Valley Road line. Schedules to or from NV Energy's the NEVP Balancing Authority Area that use RATS the Reno-Alturas Intertie must travel through the BPA BAA, because BPA is the adjacent Balancing Authority.
2. General ~~R~~requirements:
 - a. ~~Transmission~~ Customers that use the RATS-Reno-Alturas Intertie must acquire:
 - i. Transmission rights on the Southern Intertie (JohnDay-Malin500);
 - ii. Transmission rights across PacifiCorp's Malin500/230 kV Transformer; and
 - iii. BPA transmission rights between Malin230 and Hilltop345.
3. Submitting ~~RATS Reno-Alturas Intertie S~~schedules:
 - a. Schedules on the RATS-Reno-Alturas Intertie using JohnDay must include:
 - i. Valid transmission segment for JohnDay-Malin500;
 - ii. PacifiCorp transmission segment for their Malin transformer; and
 - iii. BPA transmission segment for Malin230-Hilltop345.
 - iv. Reno-Alturas Intertie Ee-Tag examples can be found in Appendix G are available on the Customer Training webpage under "Scheduling."

- b. BPA does not accept COBH schedules to or from the ~~RATS~~ Reno-Alturas Intertie.
- 4. ~~Payment-Billing De~~ determination:
 - a. BPA Main Network:
 - i. BPA will provide the Customer a billing credit for one leg of Network transmission when:
 - 1. The same PSE is referenced on the BPA Transmission Network both to or from JohnDay and between Malin230 and Hilltop345;
 - 2. All BPA transmission segments use Point to Point Transmission Service of the same e-Tag;
 - 3. The same Firm or Non-Firm Class is used for all BPA transmission segments; and
 - 4. At least one of the BPA Transmission Network segments, to or from JohnDay or the segment between Malin230 and Hilltop345, must have a duration of Hourly, Daily, Weekly, or Monthly service and be a Request Type of Original. The other segment can be either ~~sShort--Term~~ or ~~Long--Term~~ service.
 - a. BPA will not provide the Customer a billing credit when the Customer uses vertical stacking on either BPA transmission segment.
 - b. BPA will not provide the Customer a billing credit when the Customer uses the Blanket Function on either BPA transmission segment.
 - c. The BPA transmission segment with the Request Type of Original receives the credit.
 - d. If both ~~of the~~ BPA transmission segments are Request Type Original, then both BPA transmission segments must have the same Service-Type.
 - b. ~~BPA-PNW AC Intertie-Transmission payment:~~
 - i. There is no billing credit for using the NWACI. Service on the NWACI is subject to BPA's applicable rates.
 - c. Schedules ~~to or from between~~ NEVP BAA ~~to and~~ CISO/BANC BAA, to or from:
 - i. The e-Tag OASIS field must contain the SERVICE-NOR Product Suffix Code to be exempt from incurring BPA charges and loss return obligations for e-Tags that use BPA's Malin500-Malin500 and Malin500-CaptainJack paths.
 - ii. Reno-Alturas Intertie e-Tag examples are available on the Customer Training webpage under "Scheduling."

Appendix A. ~~E-Tagging Suffixes~~ Transmission Service Product Type and Product Suffix Codes

[Appendix A relocated to Customer Training webpage]

E-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	Priority Firm Power (PF) and/or Block NT 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-PNW AC Intertie (NFP)	Allows e-Tags to pass contract validation for entities with NFP where no specific AREF exists.	<xxxxx>-NFP
NT Network Firm PF/Block	PF and/or Block NT s Service a Agreement with BPA Power Services for Firm NT Transmission schedules with no D demand C checks.	<xxxxx> -PFN
Conditional Firm	Conditional Firm PTP or NT Reservation. The e-Tag can only reference the AREF.	<AREF>-CF

E-Tagging Suffixes		
Transmission Service/Product Type	Description	Product Suffix Code
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 <u>Southern Intertie and</u> NFP Owners on the Intertie and for 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
EIM Transfers (both static and dynamic)	EIM suffix exempts EIM Transfers that source, sink, or wheel through the BPA BAA from incurring loss obligations. The use of EIM suffix is limited to certain paths and/or owners.	<xxxxx>-EIM

Appendix B. E-Tag Validation Rules Denial Reasons

Acronyms:

BAA: ~~Balancing Authority Area~~

GF: ~~Grand Fathered (Non-OATT)~~

TP: ~~Transmission Provider~~

TC: ~~Transmission Customer~~

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

[Appendix B relocated to Customer Training webpage]

E-Tag Validation Rules for Schedule Path		
Criteria	Description	Denial Reason
COA/PTP Contracts	The stacking of PTP contracts/AREFs with an NFP suffix by COA customers is deemed an invalid contract combination.	Invalid combination of PTP contracts/AREFs on top of NFP shares
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, the BPA 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 BPA is an SE in a transmission physical segment, verify that BPA is not referenced in a string containing other SEs.	Path SE Usage
SE Adjacency	Where BPA is an SE, the upstream/downstream SE, Generation BAA and Load BAA is verified to be adjacent to BPA. A null adjacent SE is INVALID.	Path SE Adjacency
TP SE Association	For each physical segment where BPA 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 BPA 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

E-Tag Validation Rules for Schedule Path

Criteria	Description	Denial Reason
POR/POD to Source/Sink	Where BPA 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 Sink in the e-Tag is considered an error.	Path POR/POD to Source/Sink
Reserve Obligation	Where BPA 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
In-Hour Net Scheduling Availability (NSA)	Where BPA 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 TLR Avoidance	When BPA's network congestion validation is activated, verify that an in-hour request with non-de minimis or greater than 10MW ATC impacts on the applicable flowgate are not accepted	TLR Check: FG = x TDF = x Impact = x
Same Tag Losses not Allowed	Where BPA is the SE in a transmission physical segment, the use of a loss profile is not allowed	Loss returns must be on a separate Tag
Recallable Export Tag	Verifies that when specifying a G-RE Market Product, (A) BPA is not the Load BAA, (B) the e-Tag type is Recallable, (C) Terminations and Extensions are not allowed, and (D) the Transmission Product must be F.	Recallable Export Tag
G-NF Usage Check	Verifies that when specifying a G-NF Market Product, (A) BPA is not the Load BAA, (B) the e-Tag type is Normal, and (C) the e-Tag does not contain a POR or POD equal to NOB. Delivery pursuant to a G-NF e-Tag may only be interrupted to supply BPA with balancing reserves.	G-NF Export Failure
Third-party Supply of Balancing Reserves, or Self-Supply Balancing Reserves	This check ensures that e-Tags meet the requirements for third-party supply or Self-Supply.	Invalid Tag Requirements for 3PS or SS
Northwest AG Intertie (NWAGI) DTG Validation	This check ensures that the e-Tags are (A) Dynamic schedules (B) scheduled over the NWAGI path, and (C) includes all required	Invalid dynamic DTG tag on NWAGI

E-Tag Validation Rules for Schedule Path

Criteria	Description	Denial Reason
	information about DTC provider and DTC requester.	
Ramp Validation	Verify that scheduled ramp durations comply with applicable industry standards BPA does not accept non-standard ramp rates on e-Tags. If a non-standard ramp rate is specified on an e-Tag, that e-Tag will be denied with the exception of Curtailments. BPA will approve all Curtailments, regardless of the ramp rate specified, as per WR3 of WECC regional criterion INT-004 WECC CRT 2.1 (or its successor). Although BPA will approve a Curtailment with a non-standard ramp rate, BPA will only include the standard ramp rate for that Curtailment in its ACE equation.	INVALID Ramp Rate

Validation Rules for Product Suffix Code (See E-Tagging Suffix Table)

Validation Criteria	Description	Denial Reason
Suffix	The Contract Number Suffix, where required, associated with any BPA 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 BPA contract & determine whether the Suffix is valid for that reference type (AREF or Contract).	Suffix Agreement Type
NERC Priority for Suffix	Verifies that the curtailment priority on the e-Tag is valid for the Suffix referenced.	Suffix NERC Priority
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

Validation Rules for Product Suffix Code (See E-Tagging Suffix Table)

Validation Criteria	Description	Denial Reason
Source for Suffix	Where BPA is the Generation BAA, verifies that the Source listed in the e-Tag is valid for the Suffix.	Suffix Source
Sink for Suffix	Where BPA 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
GF Loss Suffix Code Required	Only applicable to GF loss Customers. Where BPA is the Load BAA and BPALOSS is listed as the Sink in the e-Tag, verifies that the OASIS/Contract field contains a valid Loss suffix.	Loss Suffix required when Sink equals BPALOSS for GF contracts

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 curtailment priority specified on the e-Tag is valid for the supporting contract or AREF Number.	Blanket Priority
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 BPA 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

Validation Rules for Contracts or AREF Number		
Validation Criteria	Description	Denial Reason
NERG Priority for Contract	Verifies that the curtailment priority specified in the e-Tag is valid for the contract or reservation specified, such as 7-F, 2-NH, 6-NN.	Contract NERG Priority
POR/POD for Contract	Verifies that the POR/POD referenced on the e-Tag is valid for the supporting contract, for the e-Tag TC Owner, and for the period of flow (from OASIS reservations or from BPA contract data).	Contract POR/POD, Start/Stop.

[List relocated to Customer Training webpage]

<u>Validation Name</u>	<u>Description</u>	<u>Fail Reason</u>
<u>3PS and SUP Checks</u>	<u>Verifies that if the POR/POD is BPA.3PS or BPA.SUP, then the Transaction Type must be Capacity or Dynamic and the priority must be 7-F or 7-FN.</u>	<u>BPA.3PS, BPA.SUP must be Firm & Capacity or Dyn</u>
<u>ATF Tag Timing</u>	<u>Verifies that After-The-Fact Adjustments are only allowed on Contingency Reserves Delivery, Dynamic, and Pseudo-Tie e-Tags.</u>	<u>Invalid ATF e-Tag Adjustment timing</u>
<u>BigEddy JohnDay Hub Validation</u>	<u>Verifies that JohnDay, CaptainJack, Malin500, BigEddy, and NOB are not being used as hubs.</u>	<u>Cannot hub NWACI or DC path</u>
<u>Blanket Capacity/Demand MW</u>	<u>Verifies that an e-Tag's supporting reservation(s) has sufficient unused confirmed capacity to accommodate the e-Tag's Transmission Profile.</u>	<u>(Blanket) Capacity/Demand MW</u>
<u>Blanket Customer</u>	<u>Verifies that the Customer on the e-Tag matches the Customer on the supporting reservation/contract number.</u>	<u>(Blanket) Customer</u>
<u>Blanket POR/POD</u>	<u>Verifies that the scheduling point POR/POD specified on the e-Tag matches the equivalent reservation point POR/POD listed on the supporting reservation.</u>	<u>(Blanket) POR/POD</u>
<u>Blanket Priority</u>	<u>Verifies that the priority specified on the e-Tag is not higher than the priority of the supporting reservation.</u>	<u>Priority on e-Tag is higher than supporting AREF</u>

<u>Validation Name</u>	<u>Description</u>	<u>Fail Reason</u>
<u>Contract Number</u>	<u>Verifies that the contract number specified in the OASIS field of the e-Tag matches a valid BPA Transmission contract.</u>	<u>Invalid contract number</u>
<u>Contract Priority</u>	<u>Verifies that the priority specified in the e-Tag is valid for the supporting reservation.</u>	<u>Invalid contract priority</u>
<u>Contract/Suffix</u>	<u>Verifies that when a suffix is appended to the OASIS field in an e-Tag, it corresponds to a valid BPAT suffix.</u>	<u>Invalid Suffix used in OASIS field</u>
<u>Customer</u>	<u>Verifies that the Owner listed in the Transmission Allocation of the e-Tag matches the owner of the BPA transmission contract specified in the OASIS field.</u>	<u>Owner in e-Tag does not match contract owner</u>
<u>DC Validation</u>	<u>Verifies that NOB cannot be used as a POR or POD on e-Tags specifying a Transaction Type of Dynamic, Pseudo-Tie, or Capacity.</u>	<u>Dynamic/Pseudo/Capacity not allowed over DC path</u>
<u>EIM Tags On Wheel Through</u>	<u>Verifies that e-Tags with a Transaction Type of Normal or Dynamic that specify a suffix of -EIM in the OASIS field are not allowed to list BPAT as the GCA and/or LCA.</u>	<u>BPAT cannot be GCA/LCA on Norm/Dyn tags using -EIM</u>
<u>Emergency Tag Check</u>	<u>Verifies that e-Tags specifying a Transaction Type of Emergency require BPAT manual approval/denial action.</u>	<u>Emergency tags require manual evaluation</u>
<u>Energy Profile</u>	<u>Verifies that the Energy Profile specified on the e-Tag is equal to or less than the e-Tag's Transmission Profile.</u>	<u>Energy Profile cannot exceed Transmission Profile</u>
<u>GEN/LOAD MW Check</u>	<u>Verifies that MWs specified at the POR of a Transmission path segment are equal to the MWs specified at the POD of the same segment.</u>	<u>All Segments must have matching POR MW and POD MW</u>
<u>G-NF Usage Check</u>	<u>Verifies BPAT cannot be the LCA on e-Tags using the G-NF Energy Product, G-NF Exports must specify an e-Tag Transaction Type of Normal, and disallows G-NF exports from BPAT over the DC Path.</u>	<u>G-NF usage check</u>
<u>Intra-Hour Profile</u>	<u>Verifies that all e-Tags must have Start Time and Stop Time of XX:00, XX:15, XX:30 or XX:45.</u>	<u>Start/Stop minutes must be 00, 15, 30, or 45</u>
<u>Late Tag Exemptions</u>	<u>Verifies that the e-Tag is late according to the Interchange Authority.</u>	<u>Tag is late according to Interchange Authority</u>

<u>Validation Name</u>	<u>Description</u>	<u>Fail Reason</u>
<u>NWACI DTC</u>	<u>Verifies that the DTC PROVIDER or DTC REQUESTOR specified in the Misc Info field is approved by BPAT to submit e-Tags over the NWACI path with the Transaction Type of Dyn. Sched.</u>	<u>DTC Provider/Requestor invalid for NWACI Dyn e-Tag</u>
<u>POR/POD</u>	<u>Verifies that the POR/POD referenced on the e-Tag is valid for the supporting contract, for the e-Tag TC Owner, and for the period of flow (from OASIS reservations or from BPAT contract data).</u>	<u>POR/POD and/or Owner is invalid for time specified</u>
<u>Preemption Aref</u>	<u>Verifies that the supporting reservation on e-Tag is not involved in a Preemption.</u>	<u>Supporting reservation is involved in Preemption</u>
<u>Ramp Duration</u>	<u>Verifies that the ramp duration start and stop values specified on the e-Tag is equal to the NAESB/WECC ramp duration default. If no start and stop values are specified, the NAESB/WECC default ramp duration is used.</u>	<u>Invalid ramp duration</u>
<u>Recallable Export Tag</u>	<u>Verifies that Recallable exports must use the 7-F Transmission Product. Extensions and Terminations are not allowed on Recallable Exports. BPAT cannot be the GCA or LCA on e-Tags with a Transaction Type of Recallable. e-Tags that use the C-RE Market Product must specify Recallable as the Transaction Type.</u>	<u>Recallable tag must be 7-F export/wheel & use C-RE</u>
<u>Same Tag Losses not Allowed</u>	<u>Verifies that the Loss Accounting profile of an e-Tag is not specified. In-Kind Concurrent Real Power Loss returns must be specified on a separate e-Tag.</u>	<u>Loss Accounting Profile cannot be used</u>
<u>Service Type</u>	<u>Verifies that the contract type, corresponding to the reservation number or contract number specified in the e-Tag OASIS field, is valid for the suffix referenced in the OASIS field.</u>	<u>(Suffix) Service Type</u>
<u>Sink</u>	<u>Verifies that where BPAT is the LCA, the Sink listed in the e-Tag is valid for the suffix appended to the OASIS field.</u>	<u>(Suffix) Sink</u>
<u>Source</u>	<u>Verifies that where BPAT is the GCA, the Source listed in the e-Tag is valid for the suffix appended to the OASIS field.</u>	<u>(Suffix) Source</u>
<u>Suffix Agreement</u>	<u>Verifies that the agreement type of the contract number or the corresponding reservation number specified in the e-Tag</u>	<u>(Suffix) Agreement Type</u>

<u>Validation Name</u>	<u>Description</u>	<u>Fail Reason</u>
	<u>OASIS field is valid for the suffix referenced in the OASIS field of the e-Tag.</u>	
<u>Suffix Path</u>	<u>Verifies the POR/POD on the e-Tag is allowed for the contract number and suffix used.</u>	<u>(Suffix) POR/POD Owner</u>
<u>Suffix Priority</u>	<u>Verifies that the priority on the e-Tag is valid for the suffix appended to the OASIS field.</u>	<u>(Suffix) Priority</u>
<u>Tag Timing</u>	<u>Verifies that all e-Tags adhere to e-Tag timing requirements specified within BPA's business practices and/or NAESB/WECC.</u>	<u>Invalid tag timing</u>
<u>Tag Type vs Energy Product</u>	<u>Verifies that e-Tags with the Transaction Type of Capacity that Sink in BPAT BAA use the 7-F Transmission Product. e-Tags specifying "SERVICE-BR" in the OASIS field and a priority of 1-NS must also specify an e-Tag Transaction Type of Dynamic and use a 1-NS Transmission Product. e-Tags using the "-ODB" suffix must specify an e-Tag Transaction Type of Capacity and must use the 7-F Transmission Product.</u>	<u>Invalid combination of e-Tag Type and priority</u>
<u>Tag vs TSR Priority</u>	<u>Verifies that the priority specified on the e-Tag is not lower than the priority of the supporting reservation (except for tagging Conditional Firm Service).</u>	<u>Priority on e-Tag is lower than supporting AREF</u>
<u>TP POR/POD to Adjacent Point</u>	<u>Verifies that an adjacent upstream and/or downstream scheduling point specified on the e-Tag is valid for the corresponding POR/POD.</u>	<u>TP POR/POD to Adjacent Point</u>
<u>TP POR/POD to SE Adjacency</u>	<u>Verifies that the TP and POR specified in the physical path of an e-Tag is adjacent to the upstream SE. Also verifies that TP and POD specified in the physical path of the e-Tag is adjacent to the downstream SE.</u>	<u>(Path) POR/POD to SE Adjacency</u>
<u>TP POR/POD to Source/Sink</u>	<u>Where BPAT is the GCA, verifies that the POR specified in the physical path of an e-Tag is valid for the Source. Also verifies that where BPAT is the LCA, the POD specified in the physical path on an e-Tag is valid for the Sink.</u>	<u>(Path) POR/POD to Source/Sink</u>

<u>Validation Name</u>	<u>Description</u>	<u>Fail Reason</u>
<u>TP-SE Association</u>	<u>Verifies that the TP specified in the physical path of the e-Tag is a valid TP to be used in association with the specified SE on the same physical path.</u>	<u>(Path) TP-SE Association</u>

Appendix C. Generic E-Tags for ~~use of RATS line~~ Reno-Alturas Intertie

[Appendix C examples relocated to Customer Training webpage]

1. These examples are a subset of potential e-Tag transactions for ~~RATS~~ the Reno-Alturas Intertie.

- a. E-Tags on ~~RATS~~ Reno-Alturas Intertie using JohnDay

CA	PSE	TP	POR	POD	SE	Comment
ANY			Source:	AnySource		
	APSE	BPAT	ANY	JohnDay	BPAT	
	APSE	BPAT	JohnDay	Malin500	BPAT	Can be another AC provider
	APSE	PPW	Malin500	Malin230	PACW	
	APSE	BPAT	Malin230	HILLTOP345	BPAT	
	APSE	NEVP	HILLTOP345	NEVP_POD	NEVP	
NEVP			Sink:	AnySink		

- b. E-Tags ~~to or from~~ between NEVP and CISO, to or from

CA	PSE	TP	POR	POD	SE	OASIS
NEVP			Source:	AnySource		
	APSE	NEVP	ANY	HILLTOP345	NEVP	
	APSE	BPAT	HILLTOP345	Malin230	BPAT	
	APSE	PPW	Malin230	Malin500	PACW	
	APSE	BPAT	Malin500	Malin ALIN500	BPAT	SERVICE-NOR
	APSE	CISO	MALIN500	ANY	CISO	
CISO			Sink:	AnySink		

- c. E-Tags ~~to or from~~ between NEVP and BANC, to or from

CA	PSE	TP	POR	POD	SE	OASIS
NEVP			Source:	AnySource		
	APSE	NEVP	ANY	HILLTOP345	NEVP	
	APSE	BPAT	HILLTOP345	Malin230	BPAT	
	APSE	PPW	Malin230	Malin500	PACW	
	APSE	BPAT	Malin500	CaptainJack	BPAT	SERVICE-NOR
	APSE	CISO	CaptainJack	ANY	BANC	
BANC			Sink:	AnySink		

d. Flow Diagram

