	© ISO New England Inc. 2023	Procedure: Evaluate External Transaction Status
	Process Name: Evaluate Real-Time External Transactions	
	Procedure Number: RTMKTS.0020.0030	Revision Number: 22
	Procedure Owner: Thomas Knowland	Effective Date: August 30, 2023
	Approved By: Director, Operations	Valid Through: August 30, 2025


SOP-RTMKTS.0020.0030

Evaluate External Transaction Status

Contents

1. Objective	2
2. Background	2
3. Responsibilities.....	2
4. Controls	2
5. Instructions.....	4
5.1 Evaluate External Transaction with ISO REVIEW Status	4
5.2 Evaluate Real-Time External Transaction Status	5
5.2.1 Review Real-Time External Transaction vs e-Tag	5
5.2.2 Review External Transaction vs OASIS	6
5.2.3 Review External Transaction vs Market Options.....	6
5.2.4 Setting Status of External Transaction	7
5.3 Respond to Transmission Loading Relief (TLR) Event.....	8
5.3.1 Addressing Anomalies in TLRs	9
6. Performance Measures.....	10
7. References.....	10
8. Revision History	10
9. Attachments	11

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	© ISO New England Inc. 2023	Procedure: Evaluate External Transaction Status
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1. Objective

NOTE

For the purposes of this procedure, the term Real-Time External Transactions refers exclusively to External Transactions associated with the Real-Time Energy Market.

The objective of this procedure is to document the responsibilities of ISO New England (ISO) staff in the evaluation of Real-Time External Transactions. The ISO staff reviews Real-Time External Transaction schedules and approves/denies each requested schedule manually in the event of a failure with the automated process.

Compliance with this procedure is necessary to allow Market Participants (MPs) and others to schedule transactions and to provide reliable and cost-effective operation of the power system. This procedure affects Market Administration and Settlements.

2. Background


ISO New England Manual for Market Operations Manual M-11 (Manual 11), and ISO New England Operating Procedure No. 9 - Scheduling and Dispatch of External Transactions (OP-9) cover the submittal and dispatch of External Transactions. Real-Time External Transactions can be scheduled to flow over any of the inter-area interfaces: New York Northern AC Ties, New York Cross Sound Cable (CSC), Northport to Norwalk Harbor Cable (NNC), New Brunswick to New England (NB-NE), Hydro Quebec (HQ) - Phase II, or HQ – Highgate (HG).

3. Responsibilities


- The Tariffs, Schedules and OASIS (Open Access Same-Time Information System) (TSO) Administrator is responsible for performing the directed actions in Section 5.1 and 5.2 of this procedure.
- The Forecaster is responsible for performing the directed actions in Section 5.3 of this procedure.
- The Operations Analysis and Integration (OAI) Analyst is responsible for reviewing anomalous TLR results reported by the Forecaster.
- Shift Supervisor is responsible for determining if erroneous TLR results identified by the OAI Analyst may cause a reliability concern.

4. Controls

- External Transaction data shall be submitted and received by the defined ISO deadline in order to be accepted for system use

	© ISO New England Inc. 2023	Procedure: Evaluate External Transaction Status
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- Status changes to Real-Time External Transaction submittals shall be documented with dates and details through the appropriate logging system

	© ISO New England Inc. 2023	Procedure: Evaluate External Transaction Status
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	Procedure Number: RTMKTS.0020.0030	Revision Number: 22
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5. Instructions

5.1 Evaluate External Transaction with ISO REVIEW Status

NOTE

A status of ISO REVIEW occurs when an External Transaction is flagged with the Unconstrained Export flag and all automated validations were successful.

1. The TSO Administrator shall validate the location of the Resource with respect to the external interface.
 - A. If the interface is other than CSC or NNC, the associated Resource may be located anywhere in New England and the External Transaction shall be approved.
 - B. If the interface is CSC or NNC, the TSO Administrator shall notify the Operations Shift Supervisor and verify that the associated Resource is located within Connecticut. If the Resource is **not** located within Connecticut, the External Transaction shall be denied.

	© ISO New England Inc. 2023	Procedure: Evaluate External Transaction Status
	Process Name: Evaluate Real-Time External Transactions	
	Procedure Number: RTMKTS.0020.0030	Revision Number: 22
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5.2 Evaluate Real-Time External Transaction Status


NOTE

External Transactions submitted to the New England External Transaction Tool (NEXTT) are normally evaluated directly by the software. In the event that the automated software is **not** functioning, or the status of the External Transaction is ISO Review, each External Transaction is manually reviewed by the TSO Administrator.

- The validations described in this section are performed whether the validation being performed is automated or a manual review by the TSO Administrator.
- At the close of the Real-Time Energy Market for each hour, these validations are re-performed on all transactions previously approved for the next operating hour to establish the final set of approved transactions that will be considered in the Real-Time scheduling process.

5.2.1 Review Real-Time External Transaction vs e-Tag

1. In the event that the automated validation process is **not** functioning due to contact with the e-Tag vendor, the TSO Administrator shall evaluate the Real-Time External Transaction and compare the following conditions with the information on the referred to e-Tag ID, and if any of the following conditions are **not** met, deny the External Transaction request (unless there are known and acceptable reasons for the mismatch):
 - Status e-Tag is Confirmed
 - Interfaces are the same
 - Flow directions are the same
 - For every hour of the External Transaction, the MW of the External Transaction is less than or equal to the MW available on the e-Tag
 - If OASIS reservation is required on the External Transaction, the same OASIS reservation is identified on the e-Tag


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5.2.2 Review External Transaction vs OASIS

1. In the event that the automated validation process is **not** functioning due to contact with the OASIS vendor and when an OASIS reservation is required, the TSO Administrator shall compare the following conditions with the information on the OASIS reservation with the corresponding External Transaction and if any of the following conditions are **not** met, deny the External Transaction request (unless there are known and acceptable reasons for the mismatch)
 - Status of the OASIS reservation is Confirmed
 - Interfaces are the same
 - Flow directions are the same
 - For every hour of the External Transaction the MW of the External Transaction is less than or equal to the MW available on the OASIS reservation.
 - Entity identified on the External Transaction is the same as the MP submitting the OASIS reservation or the MP identified on the OASIS reservation has written permission to use the OASIS reservations owned by another entity. That permission must be requested, and/or terminated by the entity owning the OASIS reservation through an Ask ISO case and shall apply to all OASIS reservations owned by that entity.
 - All OASIS reservations included on the External Transaction are associated with the same Transmission Service Provider.

5.2.3 Review External Transaction vs Market Options

1. When manually reviewing an External Transaction due to software failure, the TSO Administrator shall verify any market options that are selected as defined below, and deny the transaction if the conditions are **not** satisfied.
 - A. If the External Transaction is flagged as an Import Capacity Resource, the TSO Administrator shall verify the MW of the External Transaction is less than or equal to the MW available on the Capacity Supply Obligation (CSO) of the Import Capacity Resource.
 - B. If the External Transaction is flagged as a Non-CSO Export, the TSO Administrator shall verify the Seasonal Claimed Capability (SCC) minus the CSO of the associated Resource is greater than or equal to the External Transaction.
 - C. If the External Transaction is flagged as an Unconstrained Export, the TSO Administrator shall validate the location of the Resource with respect to the external interface as follows:
 - (1) If the interface is other than CSC or NNC, the associated Resource

	© ISO New England Inc. 2023	Procedure: Evaluate External Transaction Status
	Process Name: Evaluate Real-Time External Transactions	
	Procedure Number: RTMKTS.0020.0030	Revision Number: 22
	Procedure Owner: Thomas Knowland	Effective Date: August 30, 2023
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may be located anywhere in New England.

- (2) If the interface is CSC or NNC, the TSO Administrator shall notify the Operations Shift Supervisor and verify that the associated Resource is located within Connecticut.


D. If the External Transaction is flagged as a Local Second Contingency Commitment (LSCC) Export, the transaction shall be denied

NOTE

Only the External Transaction software provides notification of the approval of an External Transaction.

5.2.4 Setting Status of External Transaction

1. After reviewing the External Transaction information, the TSO Administrator shall perform one of the following actions:
 - A. If all verifications are successful, approve the External Transaction.
 - (1) If any verification was **not** successful but there is a known and acceptable reason, the External Transaction may be approved.
 - B. If a verification is **not** successful and there is **not** an acceptable reason, deny the External Transaction and perform the following:
 - (1) Use the ISO external transaction scheduling software to document the denial and the reason for denial.
 - (2) Notify the MP
 - (3) Make an entry into the Control Room Event Logserver.

	© ISO New England Inc. 2023	Procedure: Evaluate External Transaction Status
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5.3 Respond to Transmission Loading Relief (TLR) Event

1. The Forecaster shall open the Interchange Distribution Calculator (IDC) application at the start of their shift and keep that application open for their entire shift.

NOTE:

ISO-NE uses the auto-acknowledge feature in the IDC. With this feature active, the action to acknowledge any required TLR will occur automatically 10 minutes after the TLR is issued.

2. When the Forecaster receives an alarm that a TLR has occurred that impacts ISO-NE, they shall verify that the TLR was automatically acknowledged.
 - A. A TLR labeled as PRELIMINARY does not require ISO action.
3. The Forecaster shall review the Active TLR list to determine the start time of the TLR.
 - TLR level ending in 'A' indicates the start time is next hour
 - TLR level ending in 'B' indicates the start time is in the current hour
4. The Forecaster shall review the eTag IDs included in the TLR to determine if curtailments were issued to active external transactions.
 - A. If the Curtail MW is greater than zero for any eTag ID, notify the Generation Operator of the:
 - Start time of the curtailment
 - eTag ID
 - MW Cap.
5. If the TLR was level 5A or 5B Forecaster shall, notify opsanalysisintegration@iso-ne.com
6. The Forecaster shall review the eTag IDs included in the TLR to determine if affected eTags meet any of the conditions below, and if so notify opsanalysisintegration@iso-ne.com.
 - A. If TLR impacts an eTag that begins with HQT and Source = HQHG
 - B. If TLR impacts an eTag that begins with HQT and Source = HQSP
 - C. If TLR impacts an eTag that begins or ends with NBSO

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7. TLR Forecaster shall log the first instance of a TLR for a specific flowgate including: TLR level, flowgate, date and HE of the TLR.

- A. If a TLR is terminated and re-issued, that is considered a new TLR and shall be logged

8. After all above actions have occurred, the Forecaster shall clear the alarms in the IDC application.

5.3.1 Addressing Anomalies in TLRs

1. OAI Analyst will review any unexpected results from the IDC.
2. If IDC results are found to be incorrect, OAI Analyst will submit a ticket in the OATI WebSupport application to report the issue.
3. OAI Analyst will coordinate with Shift Supervisor or designee, to determine if the erroneous curtailments could result a reliability issue.
4. If Shift Supervisor, or designee, determines that the issue can create a reliability concern, OAI analyst will notify the Forecaster via email of the actions to be taken to exclude the specific curtailments.

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	Procedure Number: RTMKTS.0020.0030	Revision Number: 22
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6. Performance Measures

TLRs that ISO-NE is required to acknowledge are acknowledged within 15 minutes of notification.

7. References

ISO New England Inc. Transmission, Markets, and Services Tariff (Tariff), Section II - Open Access Transmission Tariff (OATT)

OATT, Section II.5 - Open Access Same-Time Information System (OASIS)

OATT Attachment H - MEPCO Grandfathered Transmission Service Agreements (MGTSAs)

ISO New England Manual for Market Operations Manual M-11, (M-11)

ISO New England Operating Procedure No. 9 - Scheduling and Dispatch of External Transactions (OP-9)


SOP-RTMKTS.0020.0020 - Evaluate e-Tag

NERC Reliability Standard IRO-006-EAST, TLR Procedure for the Eastern Interconnection.

NAESB Business Practice Standard WEQ-008, Transmission Loading Relief (TLR) – Eastern Interconnection

8. Revision History

Rev. No.	Date	Reason	Contact
--	03/16/22	For previous revision history, refer to Rev 15 available through Ask ISO	Thomas Knowland
16	12/11/14	Biennial review by procedure owner; Made changes to update actual task performance and to reflect current practices, nomenclature, and be consistent with management expectations ; Eliminated the use of terms "shall", "will" and "ensure" per ROC directive; Section 7, added OATT, OASIS, MGTSAs and SOP-RTMKTS.0020.0020	William Callan
16.1	02/11/15	Corrected typo in Headers for Effective and Valid Through dates	William Callan
17	12/14/15	Biennial review by procedure owner; Globally restored grammar for directed actions to be in the present tense; Section 5.12., modified the step and added sub-steps; Step 5.1.1.3.E, identified unit name(s) behind the comment entry for an LSCC Export External Transaction.	William Callan

	© ISO New England Inc. 2023	Procedure: Evaluate External Transaction Status
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17.1	09/28/17	Biennial review completed by procedure owner requiring no changes Made administrative changes required to publish a Minor Revision (added required corporate document identity to all page footers, and truncated the Revision History per SOP-RTMKTS.0210.0010 Section 5.6;	Thomas Knowland
17.2	08/07/19	Biennial review completed by procedure owner requiring no changes Made administrative changes required to publish a Minor Revision;	Thomas Knowland
18	11/25/19	Biennial review completed by procedure owner; Changes made to support EES replacement project, impacting how the transactions are processed;	Thomas Knowland
19	11/09/21	Biennial review completed by procedure owner; 5.2.3 Update to reflect LSCC option is not valid for any customer and minor editorial changes throughout;	Thomas Knowland
20	03/16/22	Biennial review completed by procedure owner; 5.2.2 updated to reflect requirements for single TSP on all OASIS reservations.	Thomas Knowland
21	06/06/22	Biennial review completed by procedure owner; Note in section 5.2 updated to reflect revalidation of all previously approved transactions at the close of the Real-Time Energy Market.	Thomas Knowland
22	08/30/23	Periodic review completed by procedure owner; Deleted Section 5.2.5; Added responsible parties; Added detail to Section 5.3; Added performance measures; Updated references.	Thomas Knowland

9. Attachments

None.