ISO new england	© *ISO New England Inc. 2024*	*Procedure: Finalize External Transactions and Actual Tie Flows*
	Process Name: Maintain Real-Time Operational Data	
	Procedure Number: RTMKTS.0110.0060	*Revision Number: 12.2*
	Procedure Owner: Thomas Knowland	*Effective Date: February 26, 2024*
	Approved By: Director, Operations	*Valid Through: February 26, 2026*

SOP-RTMKTS.0110.0060 - Finalize External Transactions and Actual Tie Flows

Contents

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1. Objective

The objective of this procedure is to finalize Real-Time External Transaction data. This procedure documents the responsibilities of ISO New England (ISO) staff.

Compliance with this procedure is necessary for proper after-the-fact accounting of Real-Time External Transactions and Actual Tie Flows. This procedure affects Settlement.

2. Background

The dispatch of External Transactions is described in 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). ISO New England Manual for Market Rule 1 Accounting, Manual M-28, (Manual 28) addresses certain accounting issues relative to Real-Time External Transactions. External Transactions can be scheduled to flow over any of the inter area interfaces: New York Northern AC Ties (NY_N), New York Cross Sound Cable (NY_CSC), Northport to Norwalk Harbor Cable (NY_NNC), New Brunswick to New England (NB-NE), Hydro-Quebec TransEnergie (HQT) - Phase II, or HQT - Highgate .

3. Responsibilities

The Tariffs Schedules and OASIS (TSO) Administrator is responsible for executing this procedure.

4. Controls

- The TSO Administrator uses the ISO Transaction Scheduling software to finalize transactions and the Gateway Data Modification Application (GDMA) to finalize tie flows

- The TSO Administrator uses the Business Information Tracking Tool (BITT) to document data changes

5. Instructions

5.1 Interchange Discrepancy Analysis

1. After the Operating Day, when net interchange schedules and Actual Tie Flow data has been received electronically through the facilitated checkout web services from each neighboring Reliability Coordinator/Balancing Authority (RC/BA), the TSO Administrator shall perform the following actions in accordance with Sections 5.2 and 5.4 to export tie line data, external transactions and resolve any discrepancies with such data:

> **NOTE**
>
> Initial Settlement is **not** contingent upon this procedure. Initial Settlement proceeds regardless of any delay in the execution of this procedure or the existence of unresolved data discrepancies.

A. When the prior month net interchange schedule data is received from each neighboring RC/BA, perform the required actions of Section 5.5, Compare Month End Interchange and Actual Tie Flow.

> **NOTE**
>
> An after-the-fact interface/ transaction schedule data discrepancy can only occur within 90 days of the issuance of the Monthly Bill for a particular operating period.

B. After identifying an after-the-fact interface/ transaction schedule data discrepancy, perform the required actions of Section 5.6, Resolve Data Discrepancies (e.g., metering data sent contained bad data).

5.2   Obtain ISO Real-Time External Data

1. To obtain Real-Time external data, the TSO Administrator shall use the ISO Transaction Scheduling software and select the "Day After Checkout" display.

5.3 Compare External Transaction Data and Actual Tie Flows with Neighboring RC/BA

5.3.1 HQT

1. Using the Real-Time External Transaction data obtained from the ISO Transaction Scheduling software, the TSO Administrator shall perform the following:

    A. Compare the following ISO Transaction Scheduling software "TransEnergie Scheduled at HQT Phase II" data with ISO Real-Time External Transaction data:

      (1) Hourly schedule by transaction.

      (2) Daily total scheduled by transaction.

      (3) Hourly schedule by interface

      (4) Daily total scheduled by interface

    B. Compare the following ISO Transaction Scheduling software "TransEnergie Scheduled at HQT Highgate" data with ISO Real-Time External Transaction data:

      (1) Hourly schedule by transaction.

      (2) Daily total scheduled by transaction.

      (3) Hourly schedule by interface

      (4) Daily total scheduled by interface

NOTE

HQT sends Actual Tie Flow data on a monthly basis and this data is to be resolved in accordance with Section 5.5, Compare Month End Interchange and Actual Tie Flow.

    C. Resolve any noted discrepancies in accordance with Section 5.6.

5.3.2 NBPSO

> **NOTE**
>
> New Brunswick Power System Operator (NBPSO) provides transaction data sheets daily based on the Atlantic time zone (+1 hour). The sheets provide the first 23 hours of an ISO operating day and the 24th hour of the prior day. To perform a comparison of transaction data for a complete ISO operating day it is necessary to refer to the NBPSO data sheets for 2 days.

1. Using the Real-Time External Transaction data from the ISO Transaction Scheduling software, the TSO Administrator shall perform the following:

   A. Compare NBPSO Scheduled with ISO Real-Time External Transaction data and Actual Tie Flows:

      (1) Hourly schedule by transaction.

      (2) Daily total scheduled by transaction.

      (3) Hourly schedule by interface.

      (4) Daily total scheduled by interface.

   B. Resolve any noted discrepancies in accordance with Section 5.6.

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5.3.3 NYISO
1. Using the ISO Transaction Scheduling software, the TSO Administrator shall perform the following:

   A. Compare the New York Independent System Operator (NYISO) NY_N Scheduled tie flows with ISO Real-Time External Transaction data and Actual Tie Flows over each interface:

      (1) Hourly schedule by transaction,

         a. If there are any discrepancies, review and resolve at a fifteen (15) minute granularity

      (2) Daily total scheduled by transaction

      (3) Hourly net schedule by interface

      (4) Daily total net scheduled by interface

   B. Review, resolve, and acknowledge any Warnings or Errors presented in the View Validation Errors Display in REX,

      (1) If data changes are required:

         a. Contact Operations Analysis and Integration (opsanalysisintegration@iso-ne.com) and SMS-MIS Support On-Call (SMS-MISSupportoncall@iso-ne.com)

         b. After data changes are made, acknowledge each row in the display with an appropriate comment

      (2) If **no** data changes are required:

         a. Acknowledge each row in the display with an appropriate comment.

   C. Compare the NYISO NY_CSC Scheduled and the NYISO NY_NNC Scheduled tie flows with ISO Real-Time External Transaction data and Actual Tie Flows over each interface:

      (1) Hourly schedule by transaction.

      (2) Daily total scheduled by transaction.

      (3) Hourly net schedule by interface

      (4) Daily total net scheduled by interface.

2. Using the Real-Time External Transaction data from the ISO Transaction Scheduling software, the TSO Administrator shall create a transaction report

for all Transactions and send the data via email to NYISO.

5.4 Export Data

5.4.1 Following Initial Review

1. Following initial review of the Real-Time external data in accordance with Section 5.3, the TSO Administrator shall perform the following:

   A. Determine if data submittal to Settlements is to be delayed due to a discrepancy that is expected to be resolved prior to 1700 the second business day following the Operating Day

   B. If the data submittal is **not** to be delayed :

   (1) Navigate to the ISO Transaction Scheduling software "Day After Checkout" display

   (2) Verify the Real-Time External Transactions schedules.

NOTE

A confirming e-mail is automatically sent to Settlements at the same time that Real-Time External Transactions schedules data is exported.

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   (3) Click on the "Complete Day After Checkout" button to trigger the data preparation for Settlements.

5.4.2
Following
Subsequent
Corrections

1. When resolution of a data discrepancy in accordance with Section 5.6 requires a change of ISO data, the TSO Administrator shall perform the following:

   A. Navigate in the ISO Transaction Scheduling software to the "Day After Checkout" display for the particular day:

      (1) Verify the transactions schedules to be re-submitted.

NOTE

A confirming e-mail is automatically sent to Settlements at the same time that Real-Time External Transactions schedules data is exported.

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      (2) Click on the "Complete Day After Checkout" button and verify export of the data to Settlements.

   B. Create an entry in the BITT documenting the data change(s) including:

      (1) Date/time.

      (2) Person making the change.

      (3) Reason for the change.

      (4) Identify data that has changed.

   C. Notify "Settlements Hourly MKTS" via BITT:

5.5   Compare Month End Interchange and Actual Tie Flow

NOTE

HQT may make internal changes to their External Transactions and **not** notify ISO, so the month end totals may **not** balance.

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1. Using the Real-Time External Transaction data obtained from the ISO Transaction Scheduling software, the TSO Administrator shall perform the following:

    A. Use email to communicate with HQT and compare the ISO Transaction Scheduling software "HQT daily scheduled net interface tie flow and Actual Tie Flow" data for Phase II and Highgate.

    B. Use email to communicate with NBPSO and compare NBPSO daily scheduled net interface tie flow and Actual Tie Flow data.

    C. Use email to communicate with NYISO and compare NY_N, NY_CSC and NY_NNC daily scheduled net interface tie flows and Actual Tie Flow data.

    D. Resolve Real-Time External Transaction data discrepancies in accordance with Section 5.6 and verify that both ISO and the neighboring RC/BA have the same MW value for each External Transaction prior to the rendering of the monthly bill.

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5.6 Resolve Data Discrepancies

> **NOTE**
>
> Changes to transaction schedules to resolve data discrepancies may occur only within 90 days of the issuance of the Monthly Bill for a particular operating period. Work instructions provide contact information for data discrepancies.
>
> After-the-fact correction to the agreed-to daily and monthly accounting data is required only to reflect actual operating conditions.

1. Using the Real-Time External Transaction data obtained from the ISO Transaction Scheduling software, the TSO Administrator shall compare the Actual Tie flow data and Scheduled External Transactions data for each neighboring RC/BA and perform the following:

   A. If a discrepancy exists, use email to communicate with the neighboring RC/BA and determine what data is in error.

   B. If the neighboring RC/BA acknowledges the data is in error, record the corrected data information, date, time, and who at the neighboring RC/BA made the change to the original neighboring RC/BA datasheet.

   C. If discrepancy has **not** been resolved:

      (1) Review the relevant ISO logs.

      (2) Listen to the relevant taped conversations.

      (3) As appropriate, discuss the discrepancy with ISO personnel involved with the processing of the External Transaction.

      (4) Determine if the ISO Real-Time External Transaction data is incorrect.

   D. If ISO Real-Time External Transaction data is incorrect,:

      (1) Correct data in the ISO Transaction Scheduling software and provide the reason for the change in the appropriate dialog box.

      (2) Re-export the applicable data in accordance with Section 5.4.

   E. Use email to notify the appropriate neighboring RC/BA of the discrepancy resolution and to provide all the relevant data.

2. If the ISO Real-Time External Transaction data appears correct, the TSO Administrator shall perform the following:

   A. Use email to notify the appropriate neighboring RC/BA of the discrepancy.

   B. Request the neighboring RC/BA review of the discrepancy and relevant data.

   C. When the neighboring RC/BA contacts and notifies ISO they have completed their review of the Real-Time External Transaction data, determine if the discrepancy with the neighboring RC/BA still exists.

   D. If the ISO Real-Time External Transaction data continues to appear correct, verify the neighboring RC/BA will adjust their data to agree.

6.   Performance Measures

None.

7.   References

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

ISO New England Manual for Market Rule 1 Accounting Manual M-28, (Manual 28)

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

8.   Revision History

Rev No.	Date	Reason	Contact
- -	03/09/18	For previous revision history, refer to Rev 10 available through Ask ISO	Dean LaForest
11	04/28/16	Biennial review by procedure owner; Globally procedure owner in headers and Revision History replaced William Callan with Thomas Knowland; Section 4, Controls, Replaced EES Transmart with ISO Transaction Scheduling software; 5.2 - Replaced EES Transmart with ISO Transaction Scheduling software; 5.3.1.1 - Replaced EES Transmart with ISO Transaction Scheduling software; 5.3.1.1.A - Replaced EES Transmart with ISO Transaction Scheduling software; 5.3.1.1.B - Replaced EES Transmart with ISO Transaction Scheduling software; 5.3.2.1 - Replaced EES Transmart with ISO Transaction Scheduling software; 5.3.3.1 - Clarified process of sending finalized data to NYISO; 5.4.1.1.A - Clarified finalized data submittal time; 5.4.1.3 - Entered correct name for finalization software selector; 5.4.2.1.A - Replaced EES Transmart with ISO Transaction Scheduling software; 5.4.2.1.A.2 - Entered correct name for finalization software selector; 5.5.1 - Replaced EES Transmart with ISO Transaction Scheduling software; 5.5.1.A - Replaced EES Transmart with ISO Transaction Scheduling software; 5.6.1 - Replaced EES Transmart with ISO Transaction Scheduling software; 5.6.1.D - Replaced EES Transmart with ISO Transaction Scheduling software;	Thomas Knowland
11.1	03/09/18	Periodic review performed requiring no changes; Made the following 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
12	03/04/20	Periodic review performed; Retired Attachment A; Reclassified document from Confidential to Public	Thomas Knowland
12.1	02/28/22	Periodic review performed requiring no changes	Thomas Knowland

Rev No.	Date	Reason	Contact
12.2	02/26/24	Biennial review performed by procedure owner requiring no intent changes; Section 5.3.3: Contact information update; Made administrative changes required to publish a Minor Revision.	Thomas Knowland

9. Attachment

Attachment A – Retired 03/04/2020.