




System Operating Procedures

SOP-RTMKTS.0110.0060

Finalize External Transactions and Actual Tie
Flows

Effective Date: March 9, 2011
Revision No. 7

	© ISO New England Inc. 2011	Procedure: Finalize External Transactions and Actual Tie Flows
	Process Name: <i>Maintain Real-Time Operational Data</i>	
	Procedure Number: <i>RTMKTS.0110.0060</i>	Revision Number: <i>7</i>
	Procedure Owner: <i>Mike Zeoli</i>	Effective Date: <i>March 9, 2011</i>
	Approved By: <i>Director, Operations</i>	Valid Through: <i>March 9, 2013</i>

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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 governed by 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, 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 .

3. Responsibilities

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

4. Controls

- The TSO Administrator shall use the EES MOI to finalize transactions and the GDMA to finalize tie flows
- The TSO Administrator shall use the Business Information Tracking Tool (BITT) to document data changes

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5. Instructions


5.1 Obtain Initiation and Response Times

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:

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. Effort is made to resolve any identified data discrepancies prior to the rendering of the monthly bill.

- A. Once net interchange schedules for the prior month data has been received from each neighboring RC/BA, perform Section 5.5, Compare Month End Interchange and Actual Tie Flow.
- B. When needed to reflect actual operating conditions after being notified of an after-the-fact interface/ transaction schedule data discrepancy, perform Section 5.6, Resolve Data Discrepancies (e.g., metering data sent contained bad data).

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5.2 Obtain ISO Real-Time External Data

1. To obtain Real-Time external data, the TSO Administrator shall use the Enhanced Energy Scheduler (EES) Market Operator Interface (MOI), to select the “Final Control Room Checkout” display.

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

5.3.1 Hydro Quebec


1. Using the Real-Time External Transaction data obtained from the EES MOI, the TSO Administrator shall:
 - A. Compare TransEnergie Scheduled at HQ Phase II with ISO Real-Time External Transaction data:
 - (1) Hourly schedule by transaction.
 - (2) Daily total scheduled by transaction.
 - B. Compare TransEnergie Scheduled at Highgate with ISO Real-Time External Transaction data and Actual Tie Flows:
 - (1) Hourly schedule by transaction.
 - (2) Daily total scheduled by transaction.
 - C. Resolve any noted discrepancies in accordance with Section 5.6.

NOTE

New Brunswick System Operator (NBSO) provides transaction data 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 NB data sheets for 2 days.


5.3.2 NBSO

1. Using the Real-Time External Transaction data from the EES MOI, the TSO Administrator shall:
 - A. Compare NBSO 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 interface schedule.
 - (4) Daily total scheduled interface.
 - B. Resolve any noted discrepancies in accordance with Section 5.6.

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5.3.3 NYISO

1. Using the Real-Time External Transaction data from the EES MOI, the TSO Administrator shall:
 - A. Compare the New York Independent System Operator (NYISO) Northern AC Scheduled, CSC Scheduled and the NNC Scheduled tie flows with ISO Real-Time External Transaction data and Actual Tie Flows:
 - (1) Hourly schedule by transaction.
 - (2) Daily total scheduled by transaction.
 - (3) Hourly interface schedule.
 - (4) Daily total scheduled interface.

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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:
 - A. Determine if data submittal to Settlements is to be delayed due to a discrepancy that is expected to be resolved prior to noon the second business day following the Operating Day
 - B. If the data submittal is not to be delayed :
 - (1) Navigate to the EES-MOI “Export” 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.

- (3) Click on the “Send to Settlements” button to export the data to Settlements.


5.4.2 Following Subsequent Corrections

1. When resolution of a data discrepancies in accordance with Section 5.6 requires a change of ISO data, the TSO Administrator shall:
 - A. Navigate in the EES MOI to the “Export” display for the particular day and:
 - (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.

- (2) Click on the “Send to Settlements” button and verify export the data to Settlements.

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- B. Create an entry in the Business Information Tracking Tool (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:


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5.5 Compare Month End Interchange and Actual Tie Flow

NOTE

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

1. Using the Real-Time External Transaction data obtained from the EES MOI, the TSO Administrator shall:
 - A. Use a telephone to contact TransEnergie and compare HQ daily scheduled net interface tie flow and Actual Tie Flow data for Phase II and Highgate.
 - B. Use email to communicate with NB and compare NB daily scheduled net interface tie flow and Actual Tie Flow data .
 - C. Use email to communicate with NYISO and compare NY Northern AC, CSC and NNC daily scheduled net interface tie flows and Actual Tie Flow data with NY.
 - 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 day of the issuance of the Monthly Bill for a particular operating period. Attachment A - External Transaction After-the-Fact Data Contacts provides contact information for data discrepancies.

After-the-fact correction to the agreed-to daily and monthly accounting data is only required to reflect actual operating conditions.


1. Using the Real-Time External Transaction data obtained from the EES MOI, the TSO Administrator shall compare the Actual Tie flow data and Scheduled External Transactions data for each neighboring RC/BA.
 - A. If discrepancy exists, contact the neighboring RC/BA and determine what data is in error.
 - B. If the neighboring RC/BA acknowledges the data is in error:
 - (1) Record the corrected data information, date, time, and who at the neighboring RC/BA made the change to the original neighboring RC/BA data sheet.
 - (2) When a reissued neighboring RC/BA data sheet is provided, re-verify information and attach the re-issued neighboring RC/BA data sheet to the top of the original neighboring RC/BA data sheet.
 - 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.

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- D. If ISO Real-Time External Transaction data is incorrect:
 - (1) Correct data in EES MOI and provide the reason for the change in the appropriate dialog box.
 - (2) Re-export that day's data in accordance with Section 5.4.

- E. Use a telephone and contact and notify the appropriate neighboring RC/BA of the discrepancy resolution, and, unless requested otherwise., provide hard copy of data changes by FAX.

- 2. If ISO Real-Time External Transaction data appears correct:
 - A. Use a telephone to contact and 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 ISO Real-Time External Transaction data continues to appear correct, verify the neighboring RC/BA will adjust their data to agree.

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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, 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
0	03/01/03	Original	John Simonelli
1	07/07/03	Revised to reflect changes since SMD implementation	John Simonelli
2	12/09/03	Changes to Controls and Performance Measures	John Simonelli
3	02/01/05	Updated SOP for RTO terminology	Rich Berryman
4	07/06/06	Updated SOP information as a result of Annual Review	Mike Zeoli
5	05/30/07	Revised for separation of 1385 Cable from the New York Northern AC tie and retirement of Phase 1	Mike Zeoli
6	06/23/09	Revised for periodic review	Mike Zeoli
7	03/09/11	Biennial review by procedure owner; Change SOP Title; Updated Header copyright date; Section modified manual titles, and cable names, and acronyms; Section 5.1 modified section title, steps and sub-steps; Section 5.2 modified section title, added step, modified steps & sub-steps; Section 5.3 modified section title, added step, modified steps & sub-steps; Section 5.4 Modified section title, steps & sub-steps, added new steps and sub-steps added new NOTE; Section 5.5 Modified section title, steps & sub-steps, added new steps and sub-steps; Section 5.6 Modified section title, added new paragraph to NOTE, added new step, modified steps & sub-steps; Attachment A updated data	Mike Zeoli

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9. Attachments

Attachment A - External Transaction After the Fact Data Contacts
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Attachment A - External Transaction After-the-Fact Data Contacts (Confidential)

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