



Summary of Business Rule Changes with EES Replacement

Introduction

This document serves as a resource for market participants that currently use the Enhanced Energy Scheduler (EES) to submit external transactions to the ISO New England (ISO-NE) energy markets. The EES software application is being replaced with the ISO New England External Transaction Tool (NEXTT).

This software update includes changes to the business rules associated with the submittal and processing of transactions. Market participants must be aware of these changes when submitting transactions to NEXTT. Most of the changes provide more flexibility and information to the customer; while some other changes apply stricter implementation of the market rules.

Note that *only* changes to the business processes are documented here. Additional training documentation on the web services and NEXTT user interface will be available as the project approaches final implementation.

High Level Business Rule and Process Changes

Subject		Current EES	New System (NEXTT)
A.	Timing of validation results	If all validations are successful, status is pre-approved and ISO-NE moves to approved	If all validations are successful, status of approved is returned to customer
B.	eTag status for ISO validation	On initial submittal, transaction will reach pre-approved while eTag status is only pending [ISO does not set to approved until eTag status confirmed]	Automated validations will only set the status to approved based on comparison with an eTag status of confirmed
C.	Granularity of validation	One status for the overall transaction	Each hour is evaluated separately so a transaction can have more than one status
D.	eTag and OASIS required	Transactions can be submitted without eTag and OASIS information and added upon future submittal	If an eTag ID or OASIS is required, that information must be entered in order to submit the transaction
E.	eTag MW comparison	eTag MW must match transaction MW	eTag MW must be greater than or equal to the transaction MW
F.	Real-Time (RT) modifications	Modifications do not impact a previously approved transaction until the modification becomes approved	Upon submittal, the new data replaces the previously submitted data, regardless of the status of the new data
G.	Modifying header data	Once RT status is approved , options cannot be changed	Header data, OASIS and market options data, can be modified up to the self-schedule (SS) market deadline
H.	Market deadline enforcement	ISO-NE monitors for eTag changes that can become confirmed after the market deadline	Any transaction that is not approved by the market deadline will be denied

blue text refers to the status of the external transaction; purple text refers to the status of the eTag

Detailed Explanation of Changes

A. Timing of Validation Results

- Currently, ISO-NE performs manual validations and sets the status of a transaction to **approved**
- Now, all transaction validations are performed upon submittal, returning the final state of the transaction to the customer
 - Customer will be able to compare the eTag and OASIS data that may be preventing approval
 - An automatic process will re-evaluate any transaction in the **pending action** state every 5 minutes
 - ISO-NE **does still** have the ability to review the transactions and **approve** or **deny** as-needed if connectivity to eTag and OASIS data is unavailable

B. eTag Status for ISO Validation

- Currently, the automated validation of a new transaction can set the transaction status to **pre-approved** even if the referenced eTag has a status of **pending**
 - ISO-NE does not set the transactions status to **approved** until the eTag status is **confirmed**
- Now, there is only an automated validation. Therefore, the validation will only set a transaction status to **approved** if the referenced eTag has a status of **confirmed**
 - If the eTag status is **pending**, and all other validations are successful, the resulting transaction status will be set to a status of **pending action**
 - An automatic process, comparable to today's process, will revalidate all transactions with a status of **pending action** every 5 minutes. If the status of the eTag has changed to **confirmed**, then the status of the transaction will be updated to **approved**

C. Granularity of Validation

- Currently, each submittal is reviewed as a whole resulting in one status for that time range
- Now, each hour of the transaction is evaluated separately and has its own status

D. eTag and OASIS Required

- Currently, if an eTag ID or OASIS reservation is required, the transaction can be submitted without the data and status would be **pending action**
- Now, if an eTag ID or OASIS reservation is required on a transaction, that data must be present before the transaction can be submitted
 - Validations will be performed on the data that is provided
 - The data can be modified up to the earliest SS market deadline on the transaction for both priced and SS RT transactions

E. eTag MW Comparison

- Currently, the eTag and transaction MW must be the same for all hours
- Now, the eTag validation has been changed so that the submitted external transaction MW must be less than or equal to the eTag MW for each hour compared; they need not be equal for all hours
 - Changes to transactions that decrease the MW from previously submitted transactions will not require the customer to modify eTag to match the transaction
 - ISO-NE will issue an eTag curtailment to the submitted MW after the market closes for each hour before the transaction is evaluated in the RT scheduling process

F. RT Modifications replace previous submittal

- Currently, an existing **approved** submittal is not replaced until the new submittal is in **approved** status
- Now, after initial submittal, if the MW/price for any interval is resubmitted the resubmitted data overwrites the previous data. An example is shown below
 - Original submittal for an interval is assigned status **approved**
 - Resubmittal of that interval results in status **pending action**

- This **pending action** data replaces the **approved** data. The interval with the status **approved** no longer exists
- If that **pending action** status is not updated to **approved** before the market deadline nothing will be scheduled in RT for that hour

G. Modifying Header Data

- Currently, once the RT status is **approved**, the eTag ID, OASIS ID and data associated with any market options cannot be changed
- Now, the header data (eTag ID, Outside Reference Name, Outside Reference ID, Import Resource), and OASIS data and market options can be modified until the earliest SS market deadline on the transaction

H. Market Deadline Enforcement

- Currently, ISO-NE may **approve** a transaction submitted by the market deadline when the referenced eTag does not become **confirmed** until *after* the market deadline
- Now, only RT transactions with a status of **approved at the market submittal deadline** will be considered in RT scheduling
 - This means that the referenced eTag must reach a status of **confirmed** before the market deadline
 - Recall that the eTag need only be modified if the new MW on the transaction is higher than the MW on the eTag
 - Any interval of a RT transaction that is not **approved** by the market deadline will be **denied**
 - Only the interval that has **past the market deadline** will be denied. All other intervals in the future that are not yet **approved** will continue to be automatically re-evaluated every 5 minutes