



eMarket Upgrade – Announcement **Revised**

At the end of March 2012, ISO New England will be retiring the current version of the eMarket application and replacing it with a new version. It is essentially an upgrade of the application to eliminate its reliance on the obsolescent Oracle Application Services and replace it with a J2EE framework utilizing SOAP messages for data exchange. The User Interface of the application is also updated to make use of modern GUI technology.

The new eMarket web services are completely described in the eMarket Data Exchange Specification posted on the ISO-NE web page for [Data Retrieval](#). The Web Service Definition files (WSDL and XSD) for the new web services required by programmers to update and compile their client applications that interface with eMarket using its web services as well as sample programs in C++ and Java that illustrate the use of the new web services are also posted on the ISO-NE web page under [Data Retrieval](#)

The new eMarket application will be available in March 2012. A Users Guide for the new application will be posted **at that time** on the ISO-NE web page for [User Guides](#).

In the process of upgrading the eMarket application, a number of changes are being introduced:

- 1) eMarket will require Participants to submit a generator's Real Time High Operating Limit (RTHOL) value, which represents its physical generation capability, along with its dispatch limits as part of the schedule detail parameter data.
- 2) Some offer parameters will no longer be allowed to be submitted at the asset level, e.g. unit offer and ARD bid parameters. They will need to be submitted as part of the schedule detail parameters. Specifically, the dispatch limits will have to be submitted as part of the schedule detail data; that is to say:
 - For generators, Emergency Minimum, Economic Minimum, Economic Maximum, and Real Time High Operating limit values have to be submitted with the unit's schedule detail parameters.
 - For asset-related demands (ARD), Maximum and Minimum Consumption limit values have to be submitted with the ARD's schedule detail parameters.

This change is introduced to eliminate the confusion with the precedence rules that currently exist where a default value is defined at the asset-level, which can optionally be overridden with a daily value in a schedule detail, which in turn can optionally be overridden for a given market day on an hourly basis with hourly override values.

- 3) All time values that appear in the data exchange messages and XML data files are specified using the lexical representation specified by the ISO 8601 standard, including the time zone indicator, and expressed in Eastern Standard Time. For example, with the lexical representation yyyy-mm-ddThh:mm:ss-hh:mm, 2011-02-01T11:00:00-05:00 represents 11am Eastern time of March 29, 2012. Furthermore, all time values are formulated to represent market hour beginning rather than market hour ending. Thus the value in the example above represents the 12th hour of the

market day, with 2011-02-01T00:00:00-05:00 representing the 1st hour of market day 2011 02 01.

- 4) The maximum number of price-sensitive demand bids that can be submitted for a given hour of a market day has been increased to ten (10).
- 5) The maximum number of Increment offers or Decrement bids that can be submitted for a given hour of a market is now limited to fifty (50).
- 6) New messages are defined to perform explicit deletes using web services or XML file uploads. The following explicit delete operations are defined:
 - Delete an asset schedule, subject to certain restrictions
 - Delete a Load Response Offer
 - Delete a portfolio

Implicit delete operations are supported with submit data messages that contain either hourly or curve data by submitting a message containing an empty container element. Implicit delete operations can be performed with the following submit data messages:

- ARD Hourly Override data
 - ARD Ramp Rate data
 - ARD Schedule Bid data
 - Unit Hourly Override data
 - Unit Ramp Rate data
 - Unit Schedule Bid data
 - Unit Regulation Hourly data
 - Demand Bid data
- 7) The need to specify segment IDs when submitting multi-segmented data curve data messages in web services or XML file upload is eliminated and the ability to delete a single segment of data is eliminated. The data can be submitted in any order and eMarket will save it in the required order. To delete a single segment, a whole new set of data without the data segment to eliminate must be submitted.
 - 8) A new Detailed Demand by Participant XML download report is provided. It provides a listing of all demand bids by type submitted by a Participant that have cleared in the DA Market.
 - 9) eMarket will allow a user to represent multiple Participants using a single security certificate; such a user is referred to as an "agent". This implies that in the data exchange messages and XML file for upload the Participant on whose behalf the user is submitting the message must be specified. If the user represents a single Participant, there no need to specify the Participant in the message. Note that while the "agent" user capability is supported by the new eMarket application, **it is not yet supported in the Customer Asset Management System**. In the meantime, a user representing multiple Participants will need a certificate for each Participant.

Participants are requested to submit questions about these in writing to ISO New England Customer Service.