

# Operating Procedures

ISO New England Operating Procedure No. 14

*Technical Requirements for Generators, Demand Resources and Asset Related Demands – Appendix E – Explanation of Terms and Instructions for Data Preparation of ISO New England Form NX-12E, Asset Related Demands Technical Data*

Effective Date: October 1, 2006  
Revision No. 3

**APPENDIX E****EXPLANATION OF TERMS AND INSTRUCTIONS FOR DATA PREPARATION OF ISO  
NEW ENGLAND FORM NX-12E, ASSET RELATED DEMANDS TECHNICAL DATA****GENERAL INFORMATION**

The NX-12E Asset Related Demands Technical Data form requests information needed by ISO New England (ISO) that is not a part of the bid information. All required data must be provided for each defined Asset Related Demand, as per OP-14, Section IV.

Once an initial NX-12E has been provided, any change in Asset Related Demand data must be reported to ISO via a revised NX-12E form. All NX-12E submissions will be sent to [opanx12@iso-ne.com](mailto:opanx12@iso-ne.com).

In order for an NX-12E form to be approved by the ISO, all required data must be provided without errors and without omissions. It is the responsibility of the Lead Market Participant to correct errors or omissions on an NX-12E form and re-submit the corrected form to the ISO. ISO will be the sole judge of when an NX-12E form is complete and correct. The effective date for changes to data items on an NX-12E form must be at least seven (7) days from the date that such determination is made by the ISO that the NX-12E form is complete and without errors.

When requested to select from a list of items, please indicate your selection by entering an "x" in the appropriate space on the NX-12E form.

**Lead Participant** – The Lead Market Participant of a Asset Related Demand as defined in ISO New England Manual for, Definitions and Abbreviations, M-35.

**Local Control Center** – The Local Control Center with Operating Responsibility and Authority of a Asset Related Demand as defined in OP 1 - Central Dispatch Operating Responsibility and Authority - ISO, the Local Control Centers and Market Participants.

**Resource Name** – The name of the Resource to be used for Asset Registration.

**Asset ID** – The Asset Related Demands (Asset) ID, as assigned to each Asset via ISO Market Support Services at the time of Asset Registration Procedure, as defined in ISO New England Manual for, Market Rule One Accounting, M-28

**Designated Entity** - The person or organization designated by the Market Participant, in accordance with the notice provisions set forth in Operating Procedure 14, to receive Dispatch Instructions for Dispatchable Asset Related Demands. The Designated Entity is the only entity to which the ISO will communicate Dispatch Instructions.

**DE Location** – Physical location of the Designated Entity. Location examples could be the Resource name, RIG Location, or working location of individual responding to dispatch instructions.

**DE Contact Name** – Name or work position of individual responsible for responding to dispatch instructions.

**DE Phone Number** – 24 Hour Contact phone number for individual responsible for responding to dispatch instructions.

**DE E-Mail Address** – E-Mail address of Designated Entity.

**SPECIFIC INFORMATION**

**Section 1: Data Preparation Documentation** – This information includes the Data Revision Number, date prepared, name of person who prepared the data, and requested effective date.

**Data Revision No.** – The first time an NX-12E is filed by a Lead Market Participant and approved by ISO, it must be assigned Data Revision Number 0. Each time revised data is submitted and approved by ISO, the Data Revision Number must be incremented. Please note that the revision number should only be incremented from one approved NX-12E to the next approved NX-12E. In other words, if changes to an approved NX-12E are desired and a new NX-12E form is submitted for approval, the data revision number should be incremented. If, however, there are errors or missing data on that new NX-12E form, another corrected form must be submitted by the Lead Market Participant. This corrected form should have the errors corrected and/or missing data provided, but the Data Revision Number should be the same as on the previously submitted form. The Data Revision Number is incremented only from one approved NX-12E to the next approved NX-12E.

**Date Prepared** – The date on which the NX-12E form is completed and submitted to ISO.

**Prepared By** – The name of the person who prepared the NX-12E form.

**E-Mail Address** – E-mail address of individual who prepared the NX-12E form.

**Requested Effective Date** – The date that the new NX-12E is to become effective. For a new unit, the effective date is to be at least One Hundred Twenty (120) days following the day that the designated recipient at ISO receives the NX-12E (assuming that the NX-12E form and all other required data are complete and without errors). For an existing Resource, the effective date is to be at least seven (7) days following the day that the designated recipient at ISO receives the data (assuming that the form is complete and without errors). Please note that if there are errors or omissions on an NX-12E form, subsequent submittals of corrected NX-12E forms must have a Requested Effective Date that is at least seven (7) days from the date that the corrected NX-12E form is received by ISO.

**Section 2: Basic Information** – This information indicates the type, electrical location, status and classification of a Resource.

**Asset Related Demand Type** – Select the type of Asset Related Demand from the choices listed below and on the NX-12E Form.

1. Pump Storage
2. Station Service
3. Other

**Metering Domain (ID)** – Metering Domains are connection points created within the Settlement Power System Model that facilitate the calculation of the Unmetered Load Asset value to ensure that all generation and load is accounted for within the ISO New England Control Area. Each Node modeled for pricing purposes in the State Estimator must be associated with a single Metering Domain. All Load Assets receiving Zonal Price treatment in settlement must be connected to a Metering Domain. {Manual 35}.

**Status** – Select the operating status of the Resource:

1. Active Unit (data change to item other than Lead Market Participant)
2. Retired Unit

**Capabilities** – Check all that apply:

## 1. Dispatchable:

A Dispatchable Asset Related Demand available to be dispatched by the ISO based on hourly price structure and operating limits. A Dispatchable Asset Related Demand must be able to receive and respond to Desired Dispatch Points (DDPs).

## 2. Biddable:

Dispatchable Asset Related Demands are able to submit Offers into the eMKT application

## 3. Claim 10 Capable:

The amount of reduced consumption, expressed in MW, which can be reached by a Dispatchable Asset Related Demand within ten minutes after receiving a Dispatch Instruction from the ISO

## 4. Claim 30 Capable:

The amount of reduced consumption, expressed in more than ten minutes but, which can be reached by a Dispatchable Asset Related Demand within thirty minutes after receiving a Dispatch Instruction from the ISO

***Section 3: Minimum Consumption Limit***

The minimum amount, in MW, available from the Dispatchable Asset Related Demands that is not available for economic dispatch and is based on the physical characteristics as submitted as part of a Resource's Offer Data except that a Self-Scheduled Dispatchable Asset Related Demand may modify its Minimum Consumption Limit on an hourly basis, as part of its Demand Bid, in order to indicate the desired level of Self-Scheduled MW.

Note: all Capability values should be reported in MW, to three decimal places.

***Section 4: Maximum Consumption Limit***

The maximum amount, in MW, available from the Dispatchable Asset Related Demand for economic dispatch and is based on the physical characteristics as submitted as part of a Resource's Offer Data.

Note: all Capability values should be reported in MW, to three decimal places.

***Section 5: Nominated Consumption Level (NCL)***

The minimum amount to which a Dispatchable Asset Related Demands will reduce.

Capabilities are determined in accordance with ISO New England Manual for, Installed Capacity, M-20

Note: all Capability values should be reported in MW, to three decimal places.

**Winter Claimed Capability** – Winter Capability of a resource is the minimum amount to which a Dispatchable Asset Related Demands will reduce during the Winter period, as determined by ISO New England Manual for, Installed Capacity, M-20. Winter Claimed Capabilities are used for the Winter Capability Period (October through May).

**Summer Claimed Capability** – Summer Capability of a resource is the minimum amount to which a

Dispatchable Asset Related Demands will reduce during the Summer period, as determined by ISO New England Manual for, Installed Capacity, M-20. Summer Claimed Capabilities are used for the Summer Capability Period (June through September).

### *Section 6: Staffing*

**From Time** – The time from which the Resource is staffed on a particular day (weekday, Saturday or Sunday).

**To Time** – The time to which the Resource is staffed on a particular day (weekday, Saturday or Sunday).

**Call in Time** – The number of hours required to get staff to the Resource during normally unstaffed hours on a particular day (weekday, Saturday or Sunday).

### *Section 7: Contact Information*

**Remote Intelligent Gateway (RIG) ID** - The assigned RIG ID number.

**Dedicated Bell Line Number** – The assigned public switching network phone number for the asset.

**Auto Ring Down (ARD) Number** – The assigned phone number for the asset ARD circuit. Circuit used for instantaneous voice communication between ISO and Dispatchable Asset Related Demands personnel in the event of RIG failure, contingency operations, or manual dispatching.

**Operations Phone Numbers** – 24 Hour Contact Phone Number(s) for Dispatchable Asset Related Demands such as a Control Room Operator and/or Watch Engineer

#### **Forecast Phone Numbers**

**Short Term Outages** – Contact phone number for individual responsible for short term outage scheduling at Dispatchable Asset Related Demands.

**Unit Commitment** – Contact phone number for individual responsible for scheduling Dispatchable Asset Related Demands.

**Lead Participant Contact** – Single point of contact data for all issues related to the Lead Market Participant status of the Dispatchable Asset Related Demands.

**Operations Management Contact** - Single point of contact data for all issues related to the Operations Management of the Dispatchable Asset Related Demands. i.e. Plant Manager.

**Operations Training Contact** - Single point of contact data for all issues related to Resource Operator Training. i.e. Training Manager

**Operations Technical Contact** - Single point of contact data for all issues related to the technical operation of the RIG, ARD Line, and Dedicated Bell Line.

***Section 8: Additional Information*** – List any additional information regarding the Dispatchable Asset Related Demands that is not previously detailed in this form or the Bid Parameters.

**OP 14 Appendix A Revision History**

**Document History** (This Document History documents action taken on the equivalent NEPOOL Procedure prior to the RTO Operations Date as well revisions made to the ISO New England Procedure subsequent to the RTO Operations Date.)

<b>Rev. No.</b>	<b>Date</b>	<b>Reason</b>
Rev 1	01/05/05	
Rev 2	02/01/05	Updated to conform to RTO terminology
Rev 3	10/01/06	Updated for ASM Phase 2