

## Appendix E - Explanation of Terms and Instructions for Data Preparation of ISO New England Form NX-12E, Asset Related Demands Technical Data

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**References:**

ISO New England Inc. Transmission, Markets, & Services Tariff (ISO Tariff), Section I - General Terms and Conditions, I.2.2., Definitions

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

ISO New England Operating Procedure No. 1 - Central Dispatch Operating Responsibilities and Authority (OP-1)

ISO New England Operating Procedure No. 14 - Technical Requirements for Generators, Demand Response Resources, Asset Related Demands and Alternative Technology Regulation Resources (OP-14)

ISO Manual for Registration and Performance Auditing (M-RPA), Dispatchable Asset Related Demand

## **General Information**

The NX-12E Asset Related Demands Technical Data form (NX-12E) allows ISO New England (ISO) to obtain needed information that is **not** part of bid information. All required data shall be provided for each defined Asset Related Demand (ARD), per Section IV of ISO New England Operating Procedure No. 14 - Technical Requirements for Generators, Demand Response Resources, Asset Related Demands and Alternative Technology Regulation Resources (OP-14).

Once an initial NX-12E form has been provided, any change in ARD data shall be reported to ISO via Ask ISO.

In order for ISO to approve an NX-12E form, all required data shall be provided without errors and without omissions. The Lead Market Participant (Lead MP) shall correct errors or omissions of NX-12E data and re-submit to ISO. ISO, at its sole discretion, shall determine if the NX-12E data is complete and correct. The effective date for changes to NX-12E data items shall be at least seven (7) days from the date when ISO determines that the data is complete and correct.

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** - an ARD Lead MP [which is defined in Section I.2.2 of the ISO New England Inc. Transmission, Markets, & Services Tariff (ISO Tariff)].

**LP ID** - the Customer ID, as assigned to each company at the time of Customer Registration, as defined in ISO New England Manuals and Procedures

**Local Control Center** (LCC) - the LC) with operating responsibility and authority over an ARD as defined in ISO New England Operating Procedure No. 1 - Central Dispatch Operating Responsibilities and Authority (OP-1).

**ARD Name** - the name of the Asset to be used for Asset registration.

**Asset ID** - the ARD Asset ID assigned to the Asset by ISO Market Support Services at the time of Asset's registration, as defined in ISO New England Manual for Market Rule One Accounting, Manual M-28 (Manual M-28)

**Designated Entity (DE)** - the name of the entity that receives, acknowledges, and responds to Dispatch Instructions and communications registered in accordance with ISO Manual for Registration and Performance Auditing (M-RPA), Dispatchable Asset Related Demand. The Dispatchable Asset Related Demand (DARD) DE is the only entity to which ISO communicates Dispatch Instructions.

The DE name must:

- Be unique
- **Not** exceed 27 characters

**DE ID#** - the unique identification number that ISO assigns to the DE at the time of Asset registration, in accordance with ISO M-RPA.

## **Specific Information**

### **Section 1: Data Revision Information**

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 a Lead MP submits an NX-12E form and ISO approves it, it shall be assigned Data Revision Number 0. Each time the Lead MP submits revised data and ISO approves it, the Data Revision Number shall be incremented. The revision number shall 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 needed and a new NX-12E form is submitted for ISO's approval, the data revision number shall be incremented. If, however, there are errors or missing data on the new NX-12E form, then the Lead MP shall submit another corrected form. This corrected form shall have the errors corrected and/or missing data provided, but the Data Revision Number shall be the same as the one on the previously submitted new form.

**Date Prepared** - the date on which the Lead MP submits the NX-12E form to ISO.

**Requested Effective Date** - the date when the new NX-12E form is to become effective. For a new unit, the effective date is to be at least one hundred twenty (120) days following the date on which the designated recipient at ISO receives the NX-12E form (assuming that the NX-12E form and all other required data are complete and correct). For an existing Asset, the effective date is to be at least seven (7) days following the date on which the designated recipient at ISO receives the data (assuming that the form is complete and correct). If there are errors or omissions on an NX-12E form, subsequent submittals of corrected NX-12E forms shall have a Requested Effective Date that is at least seven (7) days from the date on which ISO receives the corrected NX-12E form.

## Section 2: Basic Information

This information indicates the type, electrical location, status and classification of an Asset.

**Asset Related Demand Type** - select the type of ARD from the choices listed below and on the NX-12E form.

1. Pump Storage
2. Station Service
3. Energy Storage
4. Other

**Metering Domain (ID)** - Metering Domains are defined in Section 7.2.1 of ISO New England Manual for Market Rule 1 Accounting Manual M-28. Each node modeled for pricing purposes in the state estimator shall be associated with a single Metering Domain ID. All Load Assets receiving Zonal Price treatment in settlement shall be connected to a Metering Domain.

**Capabilities** - Check all that apply:

1. Dispatchable:  
A DARD available to be dispatched by ISO based on hourly price structure and operating limits. A DARD shall be able to receive and respond to Desired Dispatch Points (DDPs).
2. Biddable:  
DARD is able to submit offers into the eMKT application

## Section 3: Minimum Consumption Limit

Minimum Consumption Limit capability value is reported in MW, to three decimal places.

## Section 4: Maximum Consumption Limit

Maximum Consumption Limit capability value is reported in MW, to three decimal places.

## Section 5: Nominated Consumption Limit (NCL)

Nominated Consumption Limit capability value is reported in MW, to three decimal places.

Capabilities are determined in accordance with ISO M-RPA.

## Section 6: Additional Information

List any additional information regarding the DARD that is not previously detailed in this form or the bid parameters.

**OP-14 Appendix E 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.)

Rev. No.	Date	Reason
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
Rev 4	01/29/13	Global editorial & format changes: font to Arial, added Table of contents, added uncontrolled disclaimer to 1 <sup>st</sup> page footer, added "Hard Copy is Uncontrolled" to all page footers and changed page numbering format to Page X of Y, added References section; Section 1: Added Lead Participant and Designated Entity IDs; Removed contact details, replacing them with Person ID's. Moved Lead Participant contact from Section 6; Section 2: Removed "Status", Claim 10 and Claim 30; Sections 6 Staffing removed; Section 7 Contact information removed.
Rev 5	10/31/14	Biennial review by procedure owner; Updated general information regarding method of data changes; Updated title and edited Section 1 to delete contact information; Corrected reference document titles
Rev 5.1	09/19/16	Periodic review performed requiring no changes; Added required corporate document identity to all footers;
Rev 5.2	06/06/18	Periodic review performed requiring no changes; Made administrative changes required to publish a Minor Revision (globally updated OP-14 title in headers, reference section and General Information section);
Rev 6	draft	Section 2, Asset Related Demand Type drop-down, added "Energy Storage;