

Managing Transmission Line Ratings

Technical Rating Communication implementation workshop



Various



HIGH-LEVEL PROJECT MILESTONES

MTLR Limit Exchange Portal (LEP) External Milestones

	Key Dates	Functionality
NX	12/1/2025	Fully functional Sandbox
NX production data	July 2026	Request for data from Participants to support migration to MTLR NX App i.e., Nominal and conditional ratings
LEP Operation production data	Sept 2026	Rating Providers enter data and ratings into Production LEP-Operational; Note LEP Historian will be available at this same time.
FERC 881 deadline	November 2026	Filing date is December 15, 2026



ISO-NE DOCUMENTS

ISO-NE Documents

- Work is starting on ISO-NE OP changes for FERC Order 881
- The LEP User Guide is being updated
 - Based on questions that have been asked via the ASK ISO process



LEP SANDBOX

Know issues

- Fix has been provided by vendor, will need a code update on SBX
 - Cannot submit Scenario Proposals for Network Segments with Altering Conditions (i.e., companion cables)
 - When updating a Temporary Rating entry, the rating values are not checked against Reasonability Limits
 - Cannot do bulk updates for Nominal Ratings, Reasonability Limits, or AAR Exemption
- Vendor has not delivered a fix yet
 - How a Seasonal Effective Rating is determined when a Transmission Facility has terminal breaker Topology modeled

Models in LEP

- ISO-NE will deploy two models to LEP-Operational
 1. Equipment with an NX9 form and is associated with a branches in the ISO-NE Network Model
 - This model comes from an export of the ISO-NE EMS ratings application
 - This is what ISO-NE is deploying to LEP Sandbox
 2. Equipment with an NX9 form that is not represented in the ISO-NE Network Model
 - This will come from a CIMXML upload process
 - This equipment is not represented in LEP Sandbox currently.
 - This is due to issues with this upload process that ISO-NE is working on with the vendor.

LEP QUERY ITEMS

Network Segment details in LEP

- Via REST API
 - `{{lep-url}}/reference-data/network-segments`
 - Accept: there are two options for accept, the difference is how verbose the response is
 - More verbose option = "application/vnd.lep.network-segment-set.v1+json"
 - Less verbose option = "application/vnd.lep.network-segment-summary-set.v1+json"
- Via UI
 - Use Export function on the Network Segments UI
 - Add or remove columns to change what is exported



Effective Rating Snapshots

- Different Snapshots:
 - Current hour effective ratings via GET `{{lep-url}}/limits/realtime-snapshot`
 - Future hour effective ratings via GET `{{lep-url}}/limits/forecast-snapshot`
 - Seasonal effective ratings via GET `{{lep-url}}/seasonalratings/snapshot`
- Output of GET Snapshot query is based on Monitoring Set
 - If not specified, default Monitoring Set is used
 - A previously created User Monitoring Set can be used

