



Managing Transmission Line Ratings

Technical Rating Communication implementation workshop

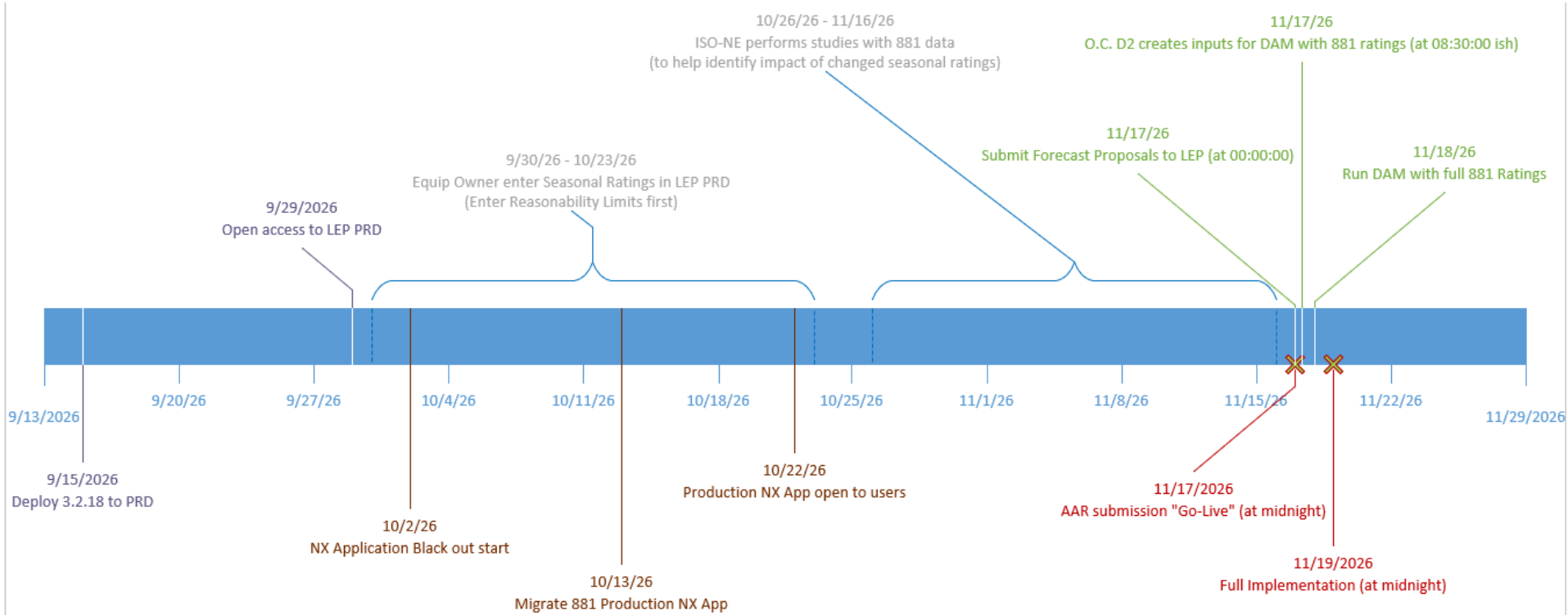
Various

VARIOUS



NX / LEP Transition Schedule

Date	Event
6/29/2026 – 7/15/2026	ISO works with participants to transition NX Equipment data to FERC 881 format via email exchange of Excel templates. This needs to include Dynamic Ratings data for September Model Release
07/15/2026	Deadline for all new equipment NX9 forms to be provided for inclusion in September Model Release
09/15/2026	September Model Release
09/29/2026	Open access to LEP Production (tentative date)
10/2/2026 – 10/21/2026	NX application unavailable during transition to FERC 881 format
10/22/2026	NX application available in FERC 881 format, no longer hosts seasonal ratings
10/2/2026 – 11/18/2026	Rating changes must be communicated via control rooms
11/17/2026	AAR required to be submitted (at midnight)
11/19/2026	FERC 881 full implementation (at midnight)



ISO-NE filing update to FERC

- ISO-NE is required to submit an update to FERC with the timing for ISO-NE implementation.
- In September, ISO-NE will be providing the updated implementation timing information to FERC.

Other

- Even if an entity is submitting an extension with FERC, that entity will still need to provide:
 1. Nominal Ratings for NX Application forms
 2. Enter Reasonability Limits for each Network Segment into LEP
 3. Enter Seasonal Ratings for each Network Segment into LEP
 4. Enter Scenario Ratings for each Network Segment into LEP
 5. Setting AAR Exemption status for each Network Segments that will not have ambient adjusted ratings submitted to LEP
- All LEP items above (2 to 5) can be done via UI and/or API.



ISO-NE Cleared Effective Ratings sent over ICCP

- To send out overall Effective Ratings for lines or transformers over ICCP, ISO-NE would need to model SCADA Limit Analogs.
- For ISO-NE to model Limit Analogs in SCADA the following are conditions must be met:
 - An MVA analog is modeled, which would require:
 - Input MW & MVAR analogs be provided based on actual metering
 - Actively Monitored in the ISO-NE Network Applications (e.g., state estimator, contingency analysis)
 - Have the associated modeling in the ISO-NE EMS ratings application



Getting Effective Ratings out of LEP

- Snapshots available in LEP:
 - Get Seasonal Ratings Snapshot
 - LEP User Guide Section 5.7.3
 - Get Limit Forecast Snapshot
 - LEP User Guide Section 5.8.5
 - Get Limits Real-Time Snapshot
 - LEP User Guide Section 5.9.2
 - Get Scenario Snapshot
 - LEP User Guide Section 5.10.2
- Outputs of Snapshots are based on Monitoring Set
 - LEP User Guide Section 5.6.4 identifies how to create a user defined Monitoring Set.

Alias to use for Resource ID

- ISO-NE recommends using CIMMRID as the resource ID. It exists for all model types:
 - ISO-NE created model from EMS ratings application
 - ISO-NE created modeling for equipment with NX9 forms, but is not in the EMS ratings application
 - Local Transmission Service
- Alias field names only available in the model from ISO-NE EMS ratings application:
 - NX_ERN, ISOEquipID, ParticipantEquipID, EMSName, ELSC_MRID, SEDL_MRID, DYNRTGName1, DYNRTGName2

Inputs to ISO-NE EMS ratings applications

- Real-Time ratings application
 - Over ICCP into ISO-NE SCADA: Equipment with DLR sensors installed
 - Time-based ratings from LEP:
 - Temporary Ratings for the current time
 - Forecast ratings for the current hour from the previous Forecast Proposal submission
 - equipment applicable to AAR requirements will have Forecast Proposals submitted
 - Seasonal Ratings (default and conditional)
 - Nominal Ratings
- Future hour ratings application
 - Time-based ratings from LEP:
 - Temporary Ratings for the applicable hour starting at HH00:00
 - Forecast Proposals for the next 72 hours
 - Seasonal Ratings (default and conditional)
 - Nominal Ratings

