



FERC Order 881: Managing Transmission Line Ratings – Phase 2

Methodologies Working Group

July 23, 2024

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Housekeeping reminders

- This call is being recorded for informational and convenience purposes only. Any related transcriptions should not be reprinted without ISO's permission.
- Meeting is structured to stimulate dialogue and engage different perspectives.
- Please keep comments professional and respectful.
- Please try and be brief and refrain from repeating what has already been said so that we can manage the time efficiently.

Instructions for raising your hand to ask a question

- If you are connected to audio through your computer or used the “call me” option, select the raise hand icon located on the bottom of your screen.

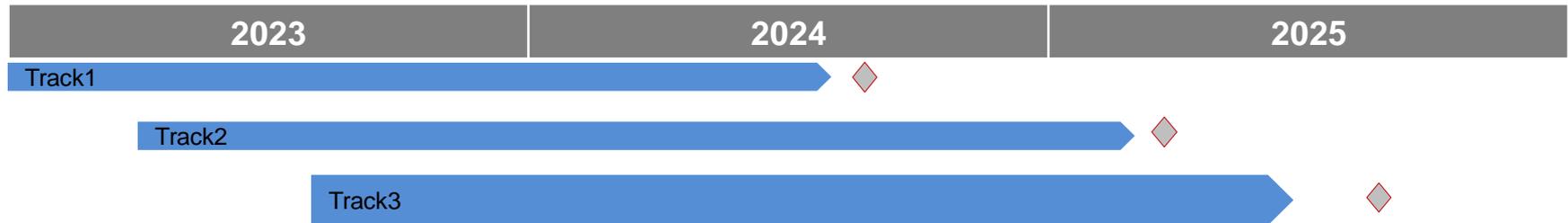
Note: *3 only works if you dialed into the meeting.

- Please remember to state your name and affiliation before making your comment.
- You may also send your question via chat to Christina Guimera or to all panelists.

Agenda

Topic	Presenter
Welcome & introduction	Christina Guimera
OATI webLineR and Remedial Action Schemes Discussion	Raja Thappetaobula
Next steps	Christina Guimera

FERC 881 Project Timelines by Tracks



- **Track 1 – Real Time Reliability Applications**
 - Delays in application deliver timeline with FAC-11 additions to the project.
 - Utilization of AAR in real time reliability applications.
 - Estimated - Target Capability to be ready by Q3 2024 . Originally Q2.
- **Track 2 – Operational/EMS Model Data and Applications**
 - OATI Webliner product will be utilized for receiving Look ahead ratings.
 - Finalizing OATI functional specification document.
 - Estimated - Target Capability to be ready early 2025
- **Track 3 – Market Application and Look Ahead Applications**
 - Requirements phase started and should be complete by September 2024.
 - Based on requirements gathering and vendor/internal resources constraints potential for delay in some aspects of implementation.
 - Estimated - Target Capability to be ready in Q2 2025.

OATI webLineR:

- CAISO and OATI is finalizing webLineR functional specification.
- webLineR tool will be the main Ambient Adjusted Rating and Seasonal rating management system for RCWEST TOP's.
- For CAISO PTO's current transmission registry will be primary interface for managing seasonal ratings and webLineR for managing Ambient Adjusted ratings.
 - The plan is to move PTO's seasonal rating management into webLineR as part of a future project.

OATI WebLineR:

- webLineR will construct the facility model by extracting relevant objects from the Full Network Model (FNM)(EMMS).
- webLineR will support Seasonal ratings and Dynamic ratings.

OATI Webliner – Seasonal Ratings

- webLineR will perform seasonal rating validation.
 - Reasonability range test
 - Rate of change test
 - Missing rating type test
 - Ascending rating type order test
- Participants will manage their seasonal ratings in webLineR via UI, CSV upload or API import. All changes in active ratings will be immediately transmitted to the downstream CAISO systems.

OATI Webliner – Dynamic Ratings

- webLineR will perform AAR validation.
 - Reasonability range test
 - Rate of change test
 - Missing rating type test
 - Ascending rating type order test
 - Start time in the past test
 - Start time too far in the future test
 - AAR duration test
- Participants will manage their dynamic ratings in webLineR CSV upload or API import. All changes in active ratings will be immediately transmitted to the downstream CAISO systems.

OATI WebLineR:

- webLineR submission API will enable TO participants to comply with the FERC order and submit AAR.
 - AAR submitted by participants will be validated.
- In addition to providing the forecasted ratings, AAR can be used to supply the real time ratings to webLineR. Participant can place the real time rating value into the current hour slot.
- webLineR will support one normal rating and up to 4 emergency ratings.

OATI WebLineR:

- All AAR will be retained in webLineR for a period of 5 years, in accordance with the FERC Order 881 requirements
 - Will be available for viewing on User Interface displays and can be downloaded via query API.
- webLineR will perform the ratings coordination (or ratings clearing) for tie-lines, where TO participants at each end can independently submit their own ratings.
 - webLineR will select the most restrictive (smallest) rating value in each time period as the cleared dynamic rating that will be transmitted.

webLineR rating Broadcast

- webLineR will transmit dynamic ratings to EMS on a periodic basis every hour at the top of the hour. The payload will include the current and the next hour.
- In addition to periodic data pushes, webLineR will provide rating updates based on events
- webLineR will transmit the dynamic ratings to CAISO real time market on a periodic basis every hour 15 minutes before the top of the hour. The six-hour payload will include dynamic ratings for the next hour as well as for the following 5 hours.

webLineR rating Broadcast

- webLineR will provide a generic 10-day rating payload that can be consumed by several CAISO downstream systems. The generic shared ratings payload will include dynamic ratings for 240 hours in an hourly format and will be issued every hour.

Remedial Action Schemes and AAR Ratings.

- How are TO's considering AAR implementation into Remedial Action Schemes.
- Impacts to RTCA and modeling of RAS in RTCA.
- Impacts to look ahead reliability tools.

Discussion on where the TO's are with respect to their compliance on FERC 881.

- We would like to hear from TO's where they are with respect to their compliance and Facility rating methodology development.
- Exceptions. How are you planning to document your exceptions from AAR.

Next steps

- Please submit comments on today's working group discussion by end of day August 10 th to ISOStakeholderAffairs@caiso.com. A template will be provided as part the meeting series invite.
- Stakeholders may submit additional comments or questions related to the implementation of FERC Order 881 to be considered in a future meeting.

ENERGY matters

The California ISO's blog highlights its most recent news releases, and includes information about ISO issues, reports, and initiatives.



Energy Matters blog provides timely insights into ISO grid and market operations as well as other industry-related news.

<https://www.caiso.com/about/news/energy-matters-blog>



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New Policy Initiatives Timeline

The California ISO has launched the Policy Initiatives Timeline to offer stakeholders a concise overview of ongoing policy initiatives. At a glance, it offers a snapshot view of key details such as the status of each initiative, projected timelines, and the current phase of the stakeholder engagement process. Updates to this timeline will be made weekly and posted on the [policy initiatives landing page](#). For more information, stakeholders are encouraged to reach out to ISOStakeholderAffairs@caiso.com.





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2024 STAKEHOLDER SYMPOSIUM

Welcome reception - Oct. 29
at Kimpton Sawyer Hotel, Sacramento, CA

Symposium program - Oct. 30
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Visit the event website: www.reg.eventmobi.com/2024stakeholdersymposium

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