

Agenda

Project Management and Oversight Subcommittee Meeting

November 07, 2023 | 2:30–4:30 p.m. Eastern

Dial-in: 1-415-655-0002 | Access Code: 2315 044 1919 | Meeting Password: 11072023

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Introduction and Chair's Remarks

[NERC Antitrust Compliance Guidelines](#) and **Public Announcement**
[NERC Participant Policy](#)

Agenda Items

1. **Consent Agenda and Meeting Minutes - Approve - Mike Brytowski**
 - a. September 19, 2023 Project Management and Oversight Subcommittee Meeting Minutes*
2. **NERC Staff Scheduling - Mike Brytowski**
3. **PMOS Action Items - Review - Mike Brytowski / Ben Wu**
 - a. PMOS Action Items Review - Mike Brytowski / Ben Wu
 - I. PMOS Liaisons Contact Information Sharing
 - b. PMOS liaison assignment review - Mike Brytowski / All
 - c. 2024 PMOS Meeting Schedule - Ben Wu
4. **Project Tracking Spreadsheet ([PTS](#)) - Review**
 - a. 2016-02d – Modifications to CIP Standards - **Update** - Ruida Shu / Kirk Rosener
 - b. 2017-01b – Modifications to BAL-003-1 - **Update** - Pamela Hunter / Charles Yeung
 - c. 2019-04 – Modifications to PRC-005 - **Update** - Joseph Gatten / Sarah Habriga
 - d. 2020-02 – Modifications to PRC-024 (Generator Ride-through) - **Update** - Pamela Hunter / Anthony Westenkirchner
 - e. 2020-04 – Modifications to CIP-012-1 - **Update** - Sarah Habriga / Jennifer Richardson
 - f. 2020-06 – Verifications of Models and Data for Generators - **Update** - Sarah Habriga / Ellese Murphy
 - g. 2021-01 – Modifications to MOD-025 and PRC-019 - **Update** - Kirk Rosener / Ruida Shu
 - h. 2021-02 – Modifications to VAR-002-4.1 - **Update** - Joseph Gatten / Anthony Westenkirchner

- i. 2021-03 – Transmission Owner Control Centers (TOCC) - **Update** - *Ellese Murphy / Darrel Grumman*
- j. 2021-04b – Modifications to PRC-002 (Phase 2) / development of PRC-028-0 - **Update** - *Mike Brytowski / Charles Yeung*
- k. 2021-07b – Extreme Cold Weather Grid Operations, Preparedness, and Coordination (Phase 2) - **Update** - *Mike Brytowski / Kirk Rosener*
- l. 2021-08 – Modifications to FAC-008-5 - **Update** - *Sarah Habriga / Jennifer Richardson*
- m. 2022-01 – Reporting ACE - **Update** - *Claudine Fritz / Ruida Shu*
- n. 2022-02 – Modifications to TPL-001-5.1 and MOD-032-1 - **Update** - *Ellese Murphy / Terri Pyle*
- o. 2022-03 – Energy Assurance with Energy-Constrained Resources - **Update** - *Joseph Gatten / Terri Pyle*
- p. 2022-04 – EMT Models in NERC MOD, TPL, and FAC Standards - **Update** - *Claudine Fritz / Charles Yeung*
- q. 2022-05 – Modifications to CIP-008 Reporting Threshold - **Update** - *Ellese Murphy / Ruida Shu*
- r. 2023-01 – EOP-004 IBR Event Reporting - **Update** - *Ruida Shu / Terri Pyle*
- s. 2023-02 – Performance of IBRs Standard Authorization Request - **Update** - *Terri Pyle / Claudine Fritz*
- t. 2023-03 – Internal Network Security Monitoring (INSM) - **Update** - *Ruida Shu*
- u. 2023-04 – Modifications to CIP-003 - **Update** - *Kirk Rosener*
- v. 2023-05 – Modifications to FAC-001 and FAC-002 - **Update** - *Donovan Crane / Jason Chandler*
- w. 2023-06 – CIP-014 Risk Assessment Refinement - **Update** - *Claudine Fritz / Ellese Murphy*
- x. 2023-07 – Modifications to TPL-001-5.1 Transmission System Planning Performance Requirements for Extreme Weather - **Update** - *Jason Chandler / Donovan Crane*
- y. 2023-08 – Modifications to MOD-031 Demand and Energy Data - **Update** - *Darrel Grumman / Pamela Hunter*

5. Other

- a. PMOS Scope and Responsibilities - Mike Brytowski
- b. Next meeting (**In Person**):
Tuesday, December 12, 2023 from 2:00 - 4:00 p.m. Local Time (Eastern)
NERC Atlanta Office:
3353 Peachtree Road NE, Suite 600 – North Tower
Atlanta, GA 30326
- c. Other

6. Adjournment

*Background materials included.

Public Meeting Notice

REMINDER FOR USE AT BEGINNING OF MEETINGS AND CONFERENCE CALLS THAT HAVE BEEN PUBLICLY NOTICED AND ARE OPEN TO THE PUBLIC

Conference call/webinar version:

As a reminder to all participants, this webinar is public. The registration information was posted on the NERC website and widely distributed. Speakers on the call should keep in mind that the listening audience may include members of the press and representatives of various governmental authorities, in addition to the expected participation by industry stakeholders.

Face-to-face meeting version:

As a reminder to all participants, this meeting is public. Notice of the meeting was posted on the NERC website and widely distributed. Participants should keep in mind that the audience may include members of the press and representatives of various governmental authorities, in addition to the expected participation by industry stakeholders.

For face-to-face meeting, with dial-in capability:

As a reminder to all participants, this meeting is public. Notice of the meeting was posted on the NERC website and widely distributed. The notice included the number for dial-in participation. Participants should keep in mind that the audience may include members of the press and representatives of various governmental authorities, in addition to the expected participation by industry stakeholders.

Meeting Minutes

Project Management and Oversight Subcommittee (PMOS)

September 19, 2023 | 2:00 – 4:00 p.m. Eastern (Local Time)

Introduction and Chair's Remarks

Chair M. Brytowski called the meeting to order at 2:00 p.m. Eastern. The meeting was announced and publicly posted on the www.nerc.com website. The Chair provided the subcommittee with opening remarks and welcomed members¹ and guests. Attendance was taken at the beginning of the meeting. See Attachment 1 for those in attendance.

Safety Briefing

Safety briefing was provided by C. Taylor due to the meeting was held on site at NERC's DC office.

NERC Antitrust Compliance Guidelines, Participant Conduct Policy and Public Announcement

The NERC Antitrust Compliance Guidelines, NERC Participant Conduct Policy, and the Public Announcement were presented and reviewed by B. Wu. Mr. Wu noted the full antitrust guideline, participant conduct policy and public announcement were provided in the agenda package to each member via email and posted on the PMOS webpage.

Agenda Items

1. Consent Agenda

- a. The chair made a motion to approve proposed agenda and July 18, 2023 PMOS meeting minutes. K. Rosener made a motion to approve the proposed meeting agenda and July 18, 2023 PMOS meeting minutes which was seconded by E. Murphy. The proposed meeting agenda and July 18, 2023 PMOS meeting minutes were approved by the PMOS members.

2. Project Prioritization

L. Harkness provided an update on the Project Prioritization which is in progress. L. Harkness mentioned that many factors were in consideration before a project was assigned as high, medium, and low priorities. High priority projects are the CIP projects, INSM, and Cold Weather-related standards (the projects have a FERC or regulatory deadline). Medium priority projects are the IBR related projects, and all other projects are low priority.

3. PMOS Action Items

- a. PMOS action items were reviewed. From July 18, 2023 meeting, PMOS liaisons requested to share PMOS liaison's contact information. Ben Wu pointed out that all of the PMOS liaison's

¹ The PMOS is composed of industry stakeholders where the chair or vice chair must be a member of the Standards Committee (SC) and the SC leadership are non-voting members of the PMOS.

email addresses are public. They can be found on NERC public site under Standards Committee/PMOS/PTS. There was a discussion whether the phone numbers could be shared as well. A privacy perspective was brought up at the meeting. All of the PMOS liaisons who were on the call agreed that the phone numbers could be shared among active PMOS liaisons. An extranet was suggest to be set up. L. Latrice said that the extranet was already existed. Such information will be added to the PMOS extranet.

- b. PMOS liaison assignment was reviewed. D. Grumman was assigned as the primary liaison for project 2023-07 and R. Sporseen as backup. J. Richardson was assigned to project 2023-08 as primary liaison and J. Chandler as backup.
- c. PMOS 2024 meeting schedule was reviewed. The chair suggested that PMOS should have monthly meetings in conjunction with the SC meetings starting next year due to the amount of the projects. All PMOS members agreed at the meeting. Once the SC meeting schedule is confirmed, PMOS will schedule its 2024 meetings accordingly.

4. PMOS New Membership Review and Approve

Another nomination was received after PMOS July, 2023 meeting. R. Sporseen from Bonneville Power Administration was approved to be a PMOS member by the chair and vice chair.

5. Project Tracking Spreadsheet (PTS) and Project Review

- a. 2016-02 – Modifications to CIP Standards:
R. Shu/k. Rosener/A. Oswald reported: The SDT is currently assembling the ballot 5 package for posting. The package consists of the changed standards, technical rationale, and consideration of comments documents. Ballot 5 is scheduled for the first week of October. The team is balloting three standards with substantial changes and two with conforming changes.
- b. 2017-01b – Modifications to BAL-003-1:
C. Yeung/L. Harkness reported: This is a low priority project. At this point, this project is moving along. The SDT's last meeting was held on Friday, August 18th. Responses to industry comments were reviewed with some concerns raised about the messaging to industry regarding the intent/goal of the requirements such that the ballot continues to fail. When looking across the comments and ballots for this project, there seems to be a misunderstanding of what the SDT is asking for in the requirement. A possible solution discussed was providing additional reference documents during the next posting and continued outreach. The next meeting of the SDT will be held, September 6th and the SDT will continue working to progress this project to the next posting.
- c. 2019-04 – Modifications to PRC-005:
S. Habriga reported: The initial ballot concluded on July 24, 2023. Neither the ballot nor the implementation plan received industry approval. The drafting team is reviewing all responses received during the comment period and will determine the next steps of the project. There is a SDT meeting scheduled for Thursday, August 17 from 2:00 to 3:30 p.m. EST.
- d. 2020-02 – Modifications to PRC-024 (Generator Ride-through):

J. Blume/P. Hunter reported: The SDT met on Monday, September 11, 2023 and is scheduled to meet next on meet Monday, September 18, 2023 at 11:00 a.m. Eastern.

e. 2020-04 – Modifications to CIP-012-1:

S. Habriga/J. Richardson reported: SDT has finished reviewing comments received from the previous posting in 2022. Quality Review was conducted. The final documents are ready for the fourth posting. The posting is scheduled for September 19, 2023 and will close on November 3, 2023.

f. 2020-06 – Verifications of Models and Data for Generators:

E. Murphy reported: Additional ballot for MOD-026-2 Draft 3 concluded July 21. Additional ballot did not pass. SDT is planning for a 30-day Informal Comment period for IBR definitions beginning September 18. TBD on next additional posting for MOD-026-2.

g. 2021-01 – Modifications to MOD-025 and PRC-019:

K. Rosener/C. Larson reported: No significant updates since August SC Meeting. The SDT continues industry outreach, revisions to PRC-019 and MOD-025 language. Must determine if there are dependencies of requirement language based on proposed IBR definitions (Project 2020-06).

h. 2021-02 – Modifications to VAR-002-4.1:

A. Westenkirchner reported: Draft 2 comment and balloting concluded June 23 and did not receive enough affirmative votes to pass (52%). The SDT conducted an industry webinar for Draft Version II of proposed Reliability Standard VAR-002-5 on Thursday, June 1, 2023 and the slides and recording have been published on the NERC website.

The SDT is reviewing comments received and will be conducting a SDT meeting Tuesday, July 18, 10:00 a.m. - 12:00 noon to discuss the comments received and to determine the next steps.

i. 2021-03 – Transmission Owner Control Centers (TOCC):

E. Murphy reported: Group A and Group B are preparing for an initial posting on September 26, 2023. The posting will include a definition change of Control Center, CIP-002 changes. Additionally, the developer plans on submitting their recommendation for supplemental SDT members to the October 2023 Standards Committee.

j. 2021-04b – Modifications to PRC-002-2 (Phase Two):

M. Brytowski reported: PRC-002-5 & New standard, PRC-028-1 Disturbance Monitoring and Reporting Requirements for Inverter-Based Resources were posted for initial comments and ballot 8/1, closing 9/14. The SDT will meet in person on September 27th & 28th, 2023 to review the ballot results and comments received.

k. 2021-07b – Extreme Cold Weather Grid Operations, Preparedness, and Coordination (Phase Two)

M. Brytowski reported: An initial ballot for EOP-012 completed in July and did not pass. The team will focus on EOP-012 starting in October once final ballot for the other two standards are completed.

l. 2021-08 – Modifications to FAC-008-5

S. Habriga/J. Richardson reported: The final draft of the documents were approved for initial posting at the SC's August meeting (August 23, 2023). The initial posting started on September 5, 2023 and will close on October 19, 2023.

m. 2022-01 – Reporting ACE Definition and Associated Terms

C. Fritz reported: This was approved in July by Standards Committee but seems to have been delayed in posting for ballot. Appears that it may be posted week of September 18th, 2023.

n. 2022-02 – Modifications to TPL-001-5.1 and MOD-032-1

E. Murphy reported: The SDT chose to work on MOD-032 as phase of this project. The initial posting for phase one started on May 31, 2023 and ended on Friday July 14th . The ballot failed with 41% approval from the industry for both Standard and Implementation Plan. The SDT reviewed comments received from posting and made some modifications based on comments received. The SDT also conducted Quality Review. The documents are being prepared for the additional (2nd) posting. The additional posting is currently scheduled for October 6, 2023.

o. 2022-03 – Energy Assurance with Energy-Constrained Resources

T. Pyle/D. Love reported: The SDT has been meeting weekly to draft standard language that will require Balancing Authorities to perform an Energy Reliability Assessment, Operating Plans, and Corrective Action Plans that will mitigate Energy Emergencies within its BA Area. The SDT voted to create a new TOP Standard. Additionally, the SDT will conduct an informal comment to solicit feedback on Nera-Term Operations Planning Energy Reliability Assessment (OPERA) Standard language. The informal comment period is scheduled for September 13 - September 28, 2023.

Initial posting is estimated to be around late November timeframe

p. 2022-04 – EMT Models in NERC MOD, TPL, and FAC Standards

C. Fritz reported: The SDT has reviewed the project SAR and it was determined that a gap analysis would be beneficial as several standards could be impacted (FAC-002, MOD-032, TPL-001). Gap analysis process has started and the Projects 2020-06, 2022-02, 2021-01 and 2023-02 will also be analyzed and followed for any impacts. The SDT has a deadline of Sept 20th to submit any identified Standards outside of anticipated Standards identified in the SAR to be considered for revision. Working towards goal of initial ballot in early 2024.

q. 2022-05 – Modifications to CIP-008 Reporting Threshold

E. Murphy reported: The team is beginning to work through revising CIP-008. They are taking a big-picture view of the issues and considering if their approach should leverage standard language revisions, revisions to glossary terms or both. Projected initial posting is Q1 of 2024.

r. 2023-01 – EOP-004 IBR Event Reporting

R. Shu reported: The initial ballots for EOP-004 concluded September 11, 2023. The initial ballot did not pass. The SDT is reviewing industry comment, proposing revisions to EOP-004. Next drafting team meeting October 4.

s. 2023-02 – Performance of IBRs

T. Pyle reported: The SDT kick-off meeting occurred 7/24/2023. The SDT started the review of the comments received from the SAR unofficial comment posting that ended 3/23/2023. The SDT then divided into two work teams to review remaining comments prior to the August meeting. On August 29, the SDT met and finalized the responses to the comments received and draft a revised SAR. Next Steps: Submit draft SAR for Standards Committee October Agenda.

t. 2023-03 – Internal Network Security Monitoring (INSM)

R. Shu reported: The project revised SAR is accepted by the SC on August 23, 2023. Due to the regulatory deadlines, the SDT requested the approval of a waiver of provisions of Standard Processes Manual, so the comment and ballot periods maybe educed depending on project timeline constraints. The SDT is actively working on developing the project and have several WebEx meetings scheduled in September 2023.

u. 2023-04 – Modifications to CIP-003

K. Rosener reported: Quality Review completed on September 12. Next SDT meeting to finalize Draft 1 CIP-003-A on September 18. Request authorization for initial posting at October 18 SC with late October posting.

v. 2023-05 – Modifications to FAC-001 and FAC-002

J. Blume/D. Crane reported: The SC accepted the Standard Authorization Requests (SARs) that were submitted by the System Performance Impacts of Distributed Energy Resources Work Group (SPIDERWG) that were endorsed by the Reliability and Security Technical Committee (RSTC) and recommended by NERC staff on May 17, 2023. The SC also authorized posting of the SARs for a formal comment period instead of informal comment period and authorized solicitation of the drafting team (DT) members. The solicitation for Drafting Team members started on August 9, 2023 and ended on September 7, 2023. Due to the low number of nominations, the solicitation was extended to September 22, 2023. The Drafting Team members will be evaluated and selected before sending the recommendations to the SC for approval at its October meeting.

w. 2023-06 – CIP-014 Risk Assessment Refinement

J. Calderon/C. Fritz reported: Initial SAR posting and solicitation of drafting team members ended on 8/24. The selection of DT members will be going to the October Standards Committee meeting for approval as they are waiting a few weeks to ensure that they can get a full team for 2023-07 that is out for nominations now as both will need the same subject matter experts and is a FERC directive. If CIP-014 DT obtains approval from SC in October, the

team will be kicking off in November. The project is high priority and NERC will be looking to get it streamlined and targeting final ballot approval Q2 2024.

- x. 2023-07 – Modifications to TPL-001-5.1 Transmission System Planning Performance Requirements for Extreme Weather

B. Wu reported: Drafting Team nomination period opens through September 27, 2023.

- y. 2023-08 – Modifications to MOD-031 Demand and Energy Data

B. Wu reported: SAR accepted by the SC on July 19, 2023. Working to determine a posting date for a 30-day SAR comment period and solicitation for nominations.

6. Other

- a. PMOS leadership brought up a concern due to the project posting schedule scope and PMOS liaisons' responsibilities. The PMOS Scope document has not been revised for quite a few years. Some of the PMOS duties are not clear to PMOS members. PMOS leadership suggests revising this document. A small group will be formed to review and revise the PMOS Scope document. This small group includes but not limited to A. Casuscelli (SC Chair), M. Brytowski (PMOS Chair), C. Yeung (PMOS Vice Chair), K. Rosener (PMOS member), R. Shu (PMOS member), L Harkness (NERC staff), and possibly some other NERC staff.

The chair brought up that there are a subset of the 24 active projects that have common topics. 10 projects (nearly half of all projects) involve one or more topics of IBR/DER/BES definition/GO-IBR.

Industry Issues:

- No NERC glossary definitions for IBR and DER
- Requiring compliance with non-NERC registered entities
- Functional registration of proposed GO-IBR
- Requirements outside the NERC glossary definition of the BES.
- Sub 100kV transmission
- Generation < 20MVA
- Generation not connected to the BES as currently defined.

Many of these projects may not move forward or require multiple ballots unless these issues can be addressed.

The 10 of projects that involve one or more topics of IBR/DER/BES definition/GO-IBR

- 2020-02, Modifications to PRC-024, Generator Ride-through
- 2020-06, Verifications of Models and Data for Generators (MOD-026)
- 2021-01, Modifications to MOD-025 and PRC-019
- 2021-02, Modifications to VAR-002-4.1
- 2021-04, Modifications to PRC-002 (and new PRC-028)
- 2022-02, Modifications to TPL-001-5.1 and MOD-032-1 (planning and data collection, DER data collection)
- 2022-04, EMT Modeling
- 2023-01, EOP-004 IBR Event Reporting
- 2023-02, Performance of IBRs (similar to PRC-004)

b. Next meeting:

Tuesday, November 7, 2023 from 2:30 - 4:30 p.m. Eastern

c. Other

None.

7. Adjournment

K. Rosener made a motion to adjourn the meeting then seconded by R. Shu. After all members agreed, the chair adjourned the meeting at 3:45 p.m. Eastern.

Attachment 1 (July 18, 2023)

Name	Company	Member/Observer	Date
Jordan Mallory	NERC	Observer	9/19/2023
Jennifer Richardson	LS Power	Member	9/19/2023
Kimberlin Harris	NERC	NERC Staff	9/19/2023
Rachel Coyne	TEXAS RE	Observer	9/19/2023
Terri Pyle	OGE	Member	9/19/2023
Shane Herrera	ERCOT	Observer	9/19/2023
Mia Wilson	SPP	Observer	9/19/2023
Chris Larson	NERC	NERC Staff	9/19/2023
Dave Krueger	SERC	Observer	9/19/2023
Tricia Bynum	First Energy Corp.	Observer	9/19/2023
Dan Hazelwood	NERC	NERC Staff	9/19/2023
Ben Wu	NERC	NERC Staff	9/19/2023
Deborah Currie	SPP	Observer	9/19/2023
Sarah Habriga	PG Renewables	Member	9/19/2023
Mike Johnson	PGE	Observer	9/19/2023
Kelly Crist	Engie	Observer	9/19/2023
Anthony Westenkirchner	Evergy	Member	9/19/2023
Katrina Blackley	NERC	NERC Staff	9/19/2023
Brian Deckert	NPCC	Observer	9/19/2023
Alison Oswald	NERC	NERC Staff	9/19/2023
Alan Kloster - Evergy	Evergy	Observer	9/19/2023
Wendy Muller	NERC	NERC Staff	9/19/2023
Ruida Shu	NPCC	Member	9/19/2023
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Todd Bennett	AECI	SC Vice Chair	9/19/2023
Josh Blume	NERC	NERC Staff	9/19/2023
Troy Brumfield	American Transmission Company	Observer	9/19/2023
Charles Yueng	SPP	Vice Chair	9/19/2023
Michael Brytowski	Great River Energy	Chair	9/19/2023
Jamie Calderon	NERC	NERC Staff	9/19/2023
Amy Casuscelli	Exel Energy	SC Chair	9/19/2023
Jason Chandler	ConEd	Member	9/19/2023
Donovan Crane	WECC	Member	9/19/2023
Sarah Crawford	NERC	NERC Staff	9/19/2023
Claudine Fritz	Exelon Corp	Member	9/19/2023

Darrel Grumman	EPE Consulting	Member	9/19/2023
Latrice Harkness	NERC	NERC Staff	9/19/2023
Kristine Martz	Amazon Web Services	Observer	9/19/2023
Ellese Murphy	Duke Energy	Member	9/19/2023
David O'Connor	FERC	Observer	9/19/2023
Lauren Perotti	NERC	NERC Staff	9/19/2023
Ron Sporseen	BPA	Member	9/19/2023
Mathew Weber	Salt River Project	Observer	9/19/2023
Kirk Rosener	CPS Energy	Member	9/19/2023
Dominique Love	NERC	NERC Staff	9/19/2023