

# Agenda

## Project Management and Oversight Subcommittee Meeting

September 19, 2023 | 2:00–4:00 p.m. Eastern

NERC – Washington Office  
1401 H Street N.W., Suite 410  
Washington, DC 20005

PMOS Meeting in Capitol Room (414)

Dial-in: 1-415-655-0002 | Access Code: 2319 278 8642 | Meeting Password:  
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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. July 18, 2023 Project Management and Oversight Subcommittee Meeting Minutes\*
2. **Project Prioritization - Latrice Harkness**
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. **PMOS Membership Term Review - Mike Brytowski / Charles Yeung / All**
5. **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 / Sarah Habriga
  - x. 2023-07 – Modifications to TPL-001-5.1 Transmission System Planning Performance Requirements for Extreme Weather - **Update** - TBD
  - y. 2023-08 – Modifications to MOD-031 Demand and Energy Data - **Update** - TBD
- 6. Other**
- a. PMOS Scope and Responsibilities - Mike Brytowski

b. Next meeting:

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

c. Other

## **7. 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)

July 18, 2023 | 2:00–4:00 p.m. Central (Local Time)

### Introduction and Chair's Remarks

Chair M. Brytowski called the meeting to order at 2:00 p.m. Central. The meeting was announced and publicly posted on the [www.nerc.com](http://www.nerc.com) website. The Chair provided the subcommittee with opening remarks and welcomed members<sup>1</sup> and guests. Attendance was taken at the beginning of the meeting. See Attachment 1 for those in attendance.

### 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

The chair motioned to approve the proposed agenda and May 16, 2023, PMOS meeting minutes. The PMOS members approved the proposed meeting agenda and May 16, 2023, PMOS meeting minutes.

#### 2. PMOS Action Items

- a. PMOS action items review: no outstanding action items at this time.
- b. The chair proposed to move this item to item 5 (5b) for discussion after the project reports from the liaisons.

#### 3. PMOS New Membership Review and Approve

Four nominations were reviewed (Donovan Crane, Jason Chandler, Darrel Grumman, and Jennifer Richardson), and the chair and the vice chair approved them. Ken Lanehome announced resigning from PMOS due to his role change.

#### 4. Project Tracking Spreadsheet (PTS) and Project Review

- a. 2016-02 – Modifications to CIP Standards:

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<sup>1</sup> 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.

Ken reported that SDT continues to work on updates to the standards and doing industry outreach to regional groups. The team will spend time finalizing the technical rationale before posting and expects the following comment and ballot period to be in August.

b. 2017-01b – Modifications to BAL-003-1:

C. Yeung reported: The NERC staff is having internal conversations with team leadership looking for a path forward for Project 2017-01. April 18, 2023, a 45-day additional comment period with a 10-day ballot began and closed at 8:00 p.m. Eastern on June 1, 2023. The SDT conducted an industry webinar for Draft Version II of the proposed Reliability Standard BAL-003-3 on Friday, May 19, 2023, at 11:00 a.m. Eastern. Slides and recordings were published on the NERC website. The ballot did not pass, and the SDT will meet to determine the next steps. Future SDT meeting is scheduled for Friday, July 21. Alison Mackellar with Constellation (NAGF) and Wayne Sipperly (NAGF) offer to help with the nuclear aspect of R5.

c. 2019-04 – Modifications to PRC-005:

J. Gatten reported: Currently out for comment and balloting. Comment period closes at 8:00 p.m. Eastern on July 24. The posting was extended at the industry's request and due to holiday/vacation schedules. A second industry webinar is scheduled for Thursday, July 13, at 11:00 a.m. Eastern.

d. 2020-02 – Modifications to PRC-024 (Generator Ride-through):

J. Calderon reported: The project is being transitioned to Jamie Calderon, the new manager of standards development and the new developer on this project. The team started to redraft PRC-024 and will start the new PRC-029 drafting soon. The SDT will meet on Monday, July 24, 2023, at 11:00 a.m. Eastern.

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

K. Lanehome reported that SDT continues to work on responding to comments received in the previous posting. Once complete, they will work on edits and prepare for the next posting.

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

E. Murphy reported: The SDT conducted numerous outreach activities in April and May—additional ballot for MOD-026-2 Draft 3 from June 7 to July 21.

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

K. Rosener reported: Additional ballot for draft 2 of both standards concluded June 8. SDT meeting on June 30 to review industry comments and determining the next steps.

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

J. Gatten reported: Project 2021-02: 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 the 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 the

comments received and will conduct an SDT meeting on Tuesday, July 18, from 10:00 a.m. - 12:00 noon to discuss the comments received and determine the next steps.

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

E. Murphy reported that Group A wrapped up an Informal Comment Period on July 12th to get stakeholder feedback on their revised Control Center Definition, the new Data Center Definition, and the CIP-002 R2.12 Criterion 2.12. The drafting team will use this feedback to guide their continued progress on the revisions.

Group B raised concerns that it may lack sufficient subject matter expertise to address the Communications Protocol Converters SAR adequately, so the SDT will ask the SC at their July meeting to authorize the solicitation of supplemental SDT members. The team is also continuing to work on IROL revisions to CIP-002 and CIP-014 standards.

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

C. Yeung/M. Brytowski reported: Phase two is currently ongoing. The SDT met in person on April 5-6, 2023, and decided to develop a new standard (PRC-028-0) to address IBR issues. SC approved the Project 2021-04 Standard Drafting Team (SDT) to create a new standard to address needs identified in the IRPTF SAR on April 19, 2023. The SDT met in person on May 31 and June 1, 2023. The Quality Review (QR) for this posting was performed from June 6, 2023, through June 16, 2023. The material was sent to SC at their July meeting for approval (July 19, 2023) for initial posting. Once it's approved, the posting will start on August 1, 2023.

k. 2021-06 – Modifications to IRO-010 and TOP-003:

M. Brytowski reported: The project passed the final ballot and is being sent to the NERC Board for their August 8th meeting. This project can be considered completed and hidden on the PTS.

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

M. Brytowski reported that EOP-012-2 is posted for comments and ballot on June 5, closing on July 20. The SDT has been responding to comments from the first ballots of EOP-011-4 & TOP-002-5. The standards are going through a quality review and are expected to be posted the week of August 7.

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

K. Lanehome reported: The Quality Review (QR) for this posting was performed from April 12, 2023, through April 25, 2023. The final draft of the documents will be sent to the SC for approval at their August meeting (August 23, 2023) for initial posting.

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

C. Fritz reported: The SDT has made significant revisions to the Reporting ACE and IIM definitions and will require an additional ballot. In addition, the team drafted the new ADI definition, which will require an initial ballot to be posted. The other 24 definitions either had extraordinarily minor or no further revisions were made and will only require a final ballot



once the different definitions catch up. It is expected that the new ADI definition will be going to the Standards Committee for initial ballot approval in July. The Reporting ACE and IIM definitions that had significant revisions since they contained the new ADI term will be going out for an additional ballot as well. Once those ballots are over, all 27 definition changes are expected to be ready for final ballot this fall.

o. 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 SDT finished reviewing the comments received from the Quality Review Team. The final documents were submitted to SC for their review and approval for initial posting. The initial posting started on May 31, 2023 and ended last Friday (July 14, 2023). The ballot did not pass (41% of approval from the industry for both Standard and Implementation Plan). The SDT has scheduled an in-person meeting on July 25 & 26, 2023 to review the voting results and comments received from posting.

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

J. Gatten reported: The SDT has been meeting weekly to draft standard language requiring Balancing Authorities to perform an Energy Reliability Assessment, Operating Plans, and Corrective Action Plans to mitigate Energy Emergencies within its BA Area. The SDT is looking to either revise or create a new EOP-011 standard. They are also analyzing impacts and overlaps with existing standards. Initial posting is estimated to be around late August/September timeframe.

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

C. Fritz reported: The Team finished the comment responses on the SAR in late May, and the SAR comments are posted on the project page. The revised SAR has been submitted to the July Standards Committee with three action items:

- Accept the revised Project 2022-04 EMT Modeling Standard Authorization Request (SAR);
- Appoint the Project 2022-04 EMT Modeling SAR Drafting Team (DT) as the Project 2022-04 EMT Modeling Standard Drafting Team (SDT); and
- Authorize drafting revisions to the Reliability Standards identified in the SAR.

r. 2022-05 – EMT Models in NERC MOD, TPL, and FAC Standards

E. Murphy reported: The SAR drafting team held several WebEx meetings since the last PMOS meeting. The team reviewed and revised the SAR based on the industry comments. The SAR drafting team also created a response to the comments document as mandated by the SC at its May meeting. The team included an Attachment 1 Observation document in the response to comments. The response to comments document is now posted on the NERC website for the industry to review.

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



R. Shu reported: The SDT finalized EOP-004-5 Draft 1 at its June 22 meeting. SDT will seek authorization for initial posting at the July SC meeting and have initial posting July 25 to September 7.

t. 2023-02 – Performance of IBRs

C. Fritz reported that the Standard Committee appointed 14 members to the SAR drafting team in June. The team members are completing their training and familiarizing themselves with the project. The first drafting team meeting is to be held on July 24th, and a two day in person meeting has been scheduled in Atlanta on August 15th-16th.

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

R. Shu reported: A 30-day formal comment period for INSM Standard Authorization Request (SAR) was posted on April 6-May 5, 2023. The Standards Committee seated the SDT at their June meeting (June 21). The kick-off meeting was conducted July 11, and the team had another meeting on July 12, 2023.

v. 2023-04 – Modifications to CIP-003

K. Rosener reported SDT was appointed at the June 21 SC meeting. SDT kickoff meeting held July 6. SDT finalized revisions to the SAR based on industry comments and is working on Consideration of Comments. The SDT will seek SC to accept the revised SAR and authorize revisions to CIP-003 in August.

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

Vice chair noticed that this project is on the PTS but not on the agenda.

B. Wu 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 an informal comment period and authorized soliciting the drafting team (DT) members. The posting for solicitation of the new drafting team members will start soon.

## 5. Other

- a. Project assignments: Ken Lanehome resigned as of July 18, 2023. All of Ken's projects will have to be reassigned to other PMOS liaisons. Ruida Shu volunteered to be the primary liaison for project 2016-02d. Kirk Rosener remains as the backup liaison. Sarah Habriga will be assigned as the primary liaison for Project 2021-08, and the new PMOS liaison, Jenifer Richardson, will be the backup liaison. The new PMOS liaison, Donovan Crane, is assigned as the primary liaison for Project 2023-05, and Jason Chandler is the backup liaison. Terri Pyle was assigned as the backup liaison for Project 2022-03. Jenifer Richardson was assigned as backup PMOS liaison for Project 2020-04. A new PMOS member, Darrel Grumman, was assigned as the backup liaison for Project 2021-03.

When a project for modifications to CIP-014 was assigned to a project number, Claudine Fritz and Ellese Murphy volunteered to be the primary and backup PMOS liaisons.

- b. This item was on the agenda item 2, then moved to item 5.

The chair reviewed the PMOS Scope and responsibilities with the PMOS members. They then opened the floor for comments from the members. PMOS members suggested that the PMOS liaisons get involved with the projects as early as possible. If the PMOS liaisons can be involved with setting the timeline of a project, it would be better. Alison Oswald will utilize PMOS liaisons' expertise to assign them to projects matching their technical background or similar projects with others they have been on. PMOS liaisons also suggest making the members' email information available among the PMOS members would be helpful. There was also a suggestion to include PMOS liaisons as part of the Standard Drafting Team (SDT) team leaders. Ben Wu raised concern that since the SDT members were reviewed, discussed, and approved by the Standards Committee (SC), the SDT chair and vice chair were appointed while PMOS liaisons were not of the SC's approval process; this might cause some issues. This can be followed up at the next meeting.

- c. The NERC Vice President of Engineering and Standards, Soo Jin Kim, expressed her appreciation for PMOS' hard work. Mrs. Kim pointed out that there is much work ahead of us. More projects, such as IBR and Transmission Planning related issues, will come out soon. Mrs. Kim also shared that some projects have high priority, which is determined by a prioritization process.
- d. Next meeting (In Person):

Tuesday, September 19, 2023 from 2:00 - 4:00 p.m. Local Time (Eastern)

NERC (DC Office)  
1401 H Street N.W., Suite 410  
Washington, DC 20005

## **6. Adjournment**

The meeting was adjourned at 4:23 p.m. Central.

**Attachment 1 (July 18, 2023)**

<b>Name</b>	<b>Company</b>	<b>Member/Observer</b>	<b>Date</b>
Todd Bennett	AECI	SC Vice Chair	7/18/2023
Morgan King	WECC	Observer	7/18/2023
Terri Pyle	OG&E	Member	7/18/2023
Claudine Fritz	Exelon Corp	Member	7/18/2023
Sharon Mayers	Worley	Observer	7/18/2023
Kimberlin Harris	NERC	NERC Staff	7/18/2023
Ken Lanehome	BPA	Member	7/18/2023
Darrel Grumman	EPE Consulting	Member	7/18/2023
Latrice Harkness	NERC	NERC Staff	7/18/2023
Chris Larson	NERC	NERC Staff	7/18/2023
Donna Wood	Tri-State GT	Observer	7/18/2023
Kirk Rosener	CPS Energy	Member	7/18/2023
Wendy Muller	NERC	NERC Staff	7/18/2023
Peg Abbadini	pegabbadini@gmail.com	Observer	7/18/2023
Alison Oswald	NERC	NERC Staff	7/18/2023
Jennifer Richardson	LS Power	Member	7/18/2023
Ruida Shu	NPCC	Member	7/18/2023
Ben Wu	NERC	Secretary	7/18/2023
Jason Chandler	ConEd	Member	7/18/2023
Michael Brytowshi	Great River Energy	Chair	7/18/2023
Jamie Calderon	NERC	NERC Staff	7/18/2023
Amy Casuscelli	Ecel Energy	SC Chair	7/18/2023
Rachel Coyne	Texas RE	Observer	7/18/2023
Donovan Crane	WECC	Member	7/18/2023
Joe Gatten	Ecel Energy	Member	7/18/2023
Dominique Love	NERC	NERC Staff	7/18/2023
Ellese Murphy	Duke Energy	Member	7/18/2023
Lauren Perotti	NERC	NERC Staff	7/18/2023
Charles Yueng	SPP	Vice Chair	7/18/2023
Soo Jin Kim	NERC	NERC Staff	7/18/2023
Patti Metro	NERCA	Observer	7/18/2023