

Agenda

Project Management and Oversight Subcommittee In-Person Meeting

March 21, 2023 | 2:00–4:00 p.m. Central

Dial-in: 1-415-655-0002 | Access Code: 2304 403 5824 | Meeting Password: 03212023

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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. February 21, 2023 Project Management and Oversight Subcommittee Meeting Minutes*
2. **PMOS Action Items - Review - Mike Brytowski / Ben Wu**
 - a. PMOS Action Items Review - Mike Brytowski / Ben Wu
3. **Project Tracking Spreadsheet (PTS) - Review**
 - a. 2016-02d – Modifications to CIP Standards - **Update** - Ken Lanehome / 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 / Ken Lanehome
 - 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 / Ken Lanehome
 - j. 2021-04 – Modifications to PRC-002-2 - **Update** - Mike Brytowski / Charles Yeung
 - k. 2021-04b – Modifications to PRC-002-2 (Phase 2) - **Update** - Mike Brytowski / Charles Yeung

- l. 2021-05 – Modifications to PRC-023-4 - **Update** - *Anthony Westenkirchner / Claudine Fritz*
 - m. 2021-06 – Modifications to IRO-010 and TOP-003 - **Update** - *Mike Brytowski / Charles Yeung*
 - n. 2021-07 – Extreme Cold Weather Grid Operations, Preparedness, and Coordination - **Update** - *Mike Brytowski / Kirk Rosener*
 - o. 2021-07b – Extreme Cold Weather Grid Operations, Preparedness, and Coordination (Phase 2) - **Update** - *Mike Brytowski / Kirk Rosener*
 - p. 2021-08 – Modifications to FAC-008-5 - **Update** - *Ken Lanehome / Sarah Habriga*
 - q. 2022-01 – Reporting ACE - **Update** - *Claudine Fritz / Ruida Shu*
 - r. 2022-02 – Modifications to TPL-001-5.1 and MOD-032-1 - **Update** - *Ellese Murphy / Terri Pyle*
 - s. 2022-03 – Energy Assurance with Energy-Constrained Resources - **Update** - *Ken Lanehome / Joseph Gatten*
 - t. 2022-04 – EMT Models in NERC MOD, TPL, and FAC Standards - **Update** - *Claudine Fritz / Charles Yeung*
 - u. 2022-05 – Modifications to CIP-008 Reporting Threshold - **Update** - *Ellese Murphy / Ruida Shu*
 - v. 2023-01 – EOP-004 IBR Event Reporting - **Update** - *Ruida Shu / Terri Pyle*
 - w. 2023-02 – Performance of IBRs - **Update** - *TBD*
- 4. Other**
- a. PMOS Liaison Assignment Review - *Mike Brytowski / All*
 - b. Complexity Factor For Projects Not Reaching Quorum - *Alison Oswald*
 - c. Next Meeting:
 - i. May 16, 2023 from 2:30 - 4:30 p.m. Eastern
 - d. Other
- 5. 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)

February 21, 2023 | 2:30–4:30 p.m. Eastern Time

Introduction and Chair's Remarks

Chair M. Brytowski called the meeting to order at 2:30 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. 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

- a. The proposed agenda and December 12, 2022 PMOS Meeting Minutes were reviewed and approved by the PMOS members.

2. PMOS Action Items

- a. PMOS action items review: no outstanding action items at this time.
- b. PMOS 2023 Meeting Schedule – PMOS 2023 meeting schedule was reviewed. PMOS next meeting will be an in person meeting on March 21, 2023 - SPP (Little Rock, AR). Please don't forget to register if you are planning on attending in person. All in-person meetings will be held from 2:00 – 4:00 pm Local Time.

3. Project Tracking Spreadsheet (PTS) and Project Review

- a. 2016-02 – Modifications to CIP Standards:
 - K. Lanehome reported: The SDT has made good strides in reviewing comments received by industry. The team is now working on modifications to CIP-005, CIP-007, and CIP-010. The team is almost done with modifications to CIP-010 and will circulate those modifications around informally to industry while the team works on the other CIP standards needing modifications. Based on the modifications and Technical Rationale updates needed, the team has moved posting date to April 2023.

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.

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

L. Harkness reported: Project 2017-01 is currently on hold while a determination is made regarding potential need for an analysis to be conducted, or a detailed technical justification be developed, for using “median” v. “mean” for Frequency Response Measure in Attachment A.

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

J. Gatten reported: Project 2019-04 will be presented to the Standards Committee at their March 2023 meeting for approval for initial posting. Once approved the Standards Committee, the initial 45-day comment period with 10-day ballot will run from March 29, 2023 through 8:00 p.m. Eastern May 12, 2023.

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

P. Hunter reported: Drafting team met on January 20, 26, and 31; as well as February 7 and 14. Work continues.

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

K. Lanehome / J. Gatten: Third ballot closed on 11/29 after having to be extended for 12 days to quorum not being met. The draft standard did not pass ballot. The drafting team is starting meetings on 12/5 to review comments received and discuss next steps.

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

E. Murphy reported: Draft 2 of Mod-026-2 comment and ballot concluded on January 18th. The revisions did not pass ballot. Alternative methods to engage entities in the drafting process are being explored.

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

C. Larson reported: The SDT continues to response to industry comments s for PRC-019 and MOD-025 received in November. The Team has completed responses to approximately 80% of industry comments. The SDT is tentatively planning on an in-person team meeting the second or fourth week of March.

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

J. Gatten reported: The initial comment period and ballots concluded at 8:00 p.m. Eastern on Friday, January 13. The results of the ballot can be found on the SBS website under ballot results. The SDT is reviewing comments received from industry and will be scheduling two to three public SDT meetings over the course of approximately 4 weeks, with dates to be confirmed. The SDT will make revisions to the Draft Version I VAR-002-5 based on comments received and will move to an additional 45-day comment period with 10-day ballot following the SDT meetings.

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

E. Murphy reported: After reviewing the Field Test responses, the SDT believes that there are entities for which the constraints associated with medium impact rating categorization do not

posed a risk to the BES and that their Control Center(s) would not be compromised. This SDT will move forward by incorporating additional inclusion characteristics into the Criterion 2.12 in addition to the previously proposed aggregate weighted value. The SDT started public meetings on January 24, 2022, and has held 5 meetings since then. Out of their 2 SARs and one RFI, one of the 2 SAR modifications have been drafted and the team is circulating those changes within industry while they work on the next SAR, which is the IROL changes to CIP-002 and CIP-014. The team reviewed the CIP-002 Communication Serial Converts RFI and determined changes are needed and proposed to NERC staff that the RFI be upgraded to a SAR so they can make those modifications. NERC staff worked with the author of the RFI to transfer the information to a SAR. The SAR has been submitted for the February 2023 SC to reject the RFI and accept the SAR for this team to work on those changes. Based comments received from some entities asking why CIP-002 TOCC project incorporates other SARs, such as CIP-002 EACMS, PACS, and PCA(s), and IROL modifications. NERC staff has updated the title of the project from “CIP-002 TOCC” to “CIP-002.” This should clear up any confusion with regards to the SARs that have been assigned to this team.

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

M. Brytowski reported: This project will be completed in two phases. The first phase addressed the scope regarding notifications relative to the sequence of events recording (SER) and fault recording (FR) data, and to clearly identify the BES Element owners that need to have SER and FR data for transformers and transmission lines with the associated identified bus in the Glencoe Light and Power SAR.

The second phase will address gaps the Inverter-Based Resource Performance Task Force (IRPTF) identified within the PRC-002. The goal is to modify the requirements to ensure adequate data is available and periodically assessed to facilitate the analysis of BES disturbances, including in areas of the Bulk Power System (BPS) that may not be covered by the existing requirements.

The proposed Standard for Phase One passed final ballot. The next step would be sending to the Board of Trustees for approval on February 16, 2023. The second phase of this project will be named as Project 2021-04b.

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

M. Brytowski reported: The proposed Standard for Phase One passed final ballot. The next step would be sending to the Board of Trustees for approval on February 16, 2023. The second phase of this project will be named as Project 2021-04b.

l. 2021-05 – Modifications to PRC-023-4:

C. Fritz reported: The proposed Standard passed final ballot. The next step would be sending to the Board of Trustees for approval on February 16, 2023.

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

M. Brytowski reported: No update is provided or discussed at this time due to the Project is during the ballot period.

- n. 2021-07 – Extreme Cold Weather Grid Operations, Preparedness, and Coordination (Phase One)
M. Brytowski reported: Phase 1 of the project passed final ballot 9/23 – 9/30. The standard we adopted during the October 26th board meeting. The team has started phase 2 drafting work. An Initial ballot for phase 2 is expected in January/February of 2023.
- o. 2021-07b – Extreme Cold Weather Grid Operations, Preparedness, and Coordination (Phase Two)
M. Brytowski reported: Phase 1 of the project passed final ballot 9/23 – 9/30. The standard we adopted during the October 26th board meeting. The team has started phase 2 drafting work. An Initial ballot for phase 2 is expected in January/February of 2023.
- p. 2021-08 – Modifications to FAC-008-5
K. Lanehome reported: The SAR DT met thirteen times (including the Project kickoff meeting) from May 10, 2022 through August 16, 2022 to review and make revisions to the SAR. The team discussed and considered industry comments during this process. SC approved the redlined SARs on September 21, 2022. The SDT started to work on the Standard on October 17, 2022. They have been meeting biweekly since then. The SDT will have an in person meeting on March 7 & 8, 2023 in NERC office.
- q. 2022-01 – Reporting ACE Definition and Associated Terms
C. Fritz reported: The project is currently out for ballot. No updates at this point.
- r. 2022-02 – Modifications to TPL-001-5.1 and MOD-032-1
E. Murphy reported: The SDT decided to split the project into 2 phases: first focus on MOD-032, then TPL-001. The SDT's last meeting was on January 11-12, 2023 (in person meeting). The next step would be sending the documents out for quality review.
- s. 2022-03 – Energy Assurance with Energy-Constrained Resources
K. Lanehome reported: The SAR DT was appointed at the Standards Committee (SC) at the Sept 21, 2022 meeting. Since appointment, the SAR DT has had two conference calls and one in-person meeting with the goal of revising the SARs and drafting responses to SARs comments. On Dec 6th call, the SAR DT finalized the revisions to the SARs. D. Thompson is currently applying changes to SARs to send to SAR DT for a vote. If revisions passes team vote, the next steps are to submit the revised SARs to the January SC for acceptance and to authorize work on the standards. Additionally, the SAR DT plans on posting the responses to comments to the project page in early January.
- t. 2022-04 – EMT Models in NERC MOD, TPL, and FAC Standards - Update –TBD
C. Fritz reported: The Standards Committee (SC) accepted the SAR and authorized solicitation for members for the SAR DT at the July 20, 2022 meeting. The informal comment period and the solicitation for the SAR Drafting Team member period ran from August 11 – September 13 2022. The appointment of the SAR DT is on the December 13, 2022 SC agenda. The drafting team kickoff scheduled for February 14th, 2023.

- u. 2022-05 – EMT Models in NERC MOD, TPL, and FAC Standards - Update –TBD

E. Murphy reported: The nomination period for SAR Drafting Team members has closed, and the SAR drafting team members have been selected.

- v. 2023-01 – EOP-004 IBR Event Reporting - Update –TBD

C. Larson reported: Nominations are being sought for Project 2023-01 EOP-004 IBR Event Reporting Standard Authorization Request (SAR) drafting team members through 8 p.m. Eastern, Wednesday, March 8, 2023.

4. Other

- a. Project assignments: Ruida volunteered for 2023-01 (Primary), Terri backup. Joe will be primary for 2021-02, Anthony as backup? Ruida as backup of 2021-01. Ruida as backup of 2022-05.

- b. Next meeting (WebEx):

Tuesday, March 21, 2023 from 2:00 - 4:00 p.m. Central Time (Local Time)

Southwest Power Pool (SPP)

201 Worthen Drive
Little Rock, AR 72223

5. Adjournment

The motion to adjourn was moved by C. Larson and seconded by C. Fritz. Meeting was adjourned at 4:16 p.m. Eastern.

Attachment 1 (February 21, 2023)

Name	Company	Member/Observer	Date
Michael Brytowski	Great River Energy	Chair	2/21/2023
Charles Yeung	Southwest Power Pool, Inc.	Vice Chair	2/21/2023
Ben Wu	NERC	Secretary	2/21/2023
Claudine Fritz	Exelon	Member	2/21/2023
Ellese Murphy	Duke Energy	Member	2/21/2023
Amy Casuscelli	Xcel Energy	SC Chair	2/21/2023
Scott Barfield-McGinnis	NERC	NERC Staff	2/21/2023
Chris Larson	NERC	NERC Staff	2/21/2023
Ken Lanehome	BPA	Member	2/21/2023
Mike Johnson	PGE	Observer	2/21/2023
Todd Bennett	AECI	SC Vice Chair	2/21/2023
Kimberlin Harris	NERC	NERC Staff	2/21/2023
Lauren Perotti	NERC	NERC Staff	2/21/2023
Jordan Mallory	NERC	NERC Staff	2/21/2023
Joseph Gatten	Xcel Energy	Member	2/21/2023
Ruida Shu	NPCC	Member	2/21/2023
Latrice Harkness	NERC	NERC Staff	2/21/2023
Deborah Currie	SPP	Observer	2/21/2023
Josh Blume	NERC	NERC Staff	2/21/2023