

Agenda

Project Management and Oversight Subcommittee Meeting

September 20, 2022 | 2:00–4:00 p.m. Central

Dial-in: 1-415-655-0002 | Access Code: 2317 644 4580 | Meeting Password: 09202022

Click here for: [WebEx Access](#)

Introduction and Chair's Remarks

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

Agenda Items

1. **Consent Agenda - Approve - Charles Yeung**
 - a. July 19, 2022 Project Management and Oversight Subcommittee Meeting Minutes*
2. **Prior Action Items - Review - Charles Yeung / Ben Wu**
 - a. COVID-19 Update: NERC Travel and Meeting Policy
3. **PMOS Action Items - Review - Charles Yeung / Ben Wu**
 - a. PMOS Action Items Review
4. **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** - Linda Lynch / Pamela Hunter
 - c. 2019-04 – Modifications to PRC-005 - **Update** - Joseph Gatten / Linda Lynch
 - d. 2020-02 – Transmission-connected Resources - **Update** - Pamela Hunter / Anthony Westenkirchner
 - e. 2020-03 – Supply Chain Low Impact Revisions - **Update** - Kirk Rosener / Ken Lanehome
 - f. 2020-04 – Modifications to CIP-012-1 - **Update** - Sarah Habriga / Ken Lanehome
 - g. 2020-06 – Verifications of Models and Data for Generators - **Update** - Sarah Habriga / Ellese Murphy
 - h. 2021-01 – Modifications to MOD-025 and PRC-019 - **Update** - Kirk Rosener / Linda Lynch
 - i. 2021-02 – Modifications to VAR-002-4.1 - **Update** - Rebecca Moore Darrah / Joseph Gatten
 - j. 2021-03 – Transmission Owner Control Centers (TOCC) - **Update** Linda Lynch / Ken Lanehome

- k. 2021-04 – Modifications to PRC-002-2 - **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. 2021-08 – Modifications to FAC-008-5 - **Update** *Ken Lanehome / Linda Lynch*
 - p. 2022-01 – Reporting ACE - **Update** - *Claudine Fritz*
 - q. 2022-02 – Modifications to TPL-001-5.1 and MOD-032-1 - **Update** *Ellese Murphy*
 - r. 2022-03 – Energy Assurance with Energy-Constrained Resources - **Update** *Ken Lanehome / Joseph Gatten*
 - s. 2022-04 – EMT Models in NERC MOD, TPL, and FAC Standards - **Update** *TBD*
- 5. Other**
- a. Next meeting
 - i. Tuesday, October 18, 2022 from 2:30 - 4:30 p.m. Eastern Time
 - b. 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.

NERC Participant Conduct Policy

General

Consistent with its Rules of Procedure, Bylaws, and other governing documents, NERC regularly collaborates with its members and other stakeholders to help further its mission to assure the effective and efficient reduction of risks to the reliability and security of the grid. Many NERC members and other bulk power system experts provide time and expertise to NERC, and the general public, by participating in NERC committees, subcommittees, task forces, working groups, and standard drafting teams, among other things. To ensure that NERC activities are conducted in a responsible, timely, and efficient manner, it is essential to maintain a professional and constructive work environment for all participants, including NERC staff; members of NERC committees, subcommittees, task forces, working groups, and standard drafting teams; as well as any observers of these groups. To that end, NERC has adopted the following Participant Conduct Policy (this “Policy”) for all participants engaged in NERC activities. Nothing in this Policy is intended to limit the powers of the NERC Board of Trustees or NERC management as set forth in NERC’s organizational documents, the NERC Rules of Procedure, or under applicable law. This Policy does not apply to the NERC Board of Trustees or the Member Representatives Committee.

Participant Conduct Policy

All participants in NERC activities must conduct themselves in a professional manner at all times. This Policy includes in-person conduct and any communication, electronic or otherwise, made as a participant in NERC activities. Examples of unprofessional conduct include, but are not limited to, verbal altercations, use of abusive language, personal attacks or derogatory statements made against or directed at another participant, and frequent or patterned interruptions that disrupt the efficient conduct of a meeting or teleconference.

Additionally, participants shall not use NERC activities for commercial purposes or for their own private purposes, including, but not limited to, advertising or promoting a specific product or service, announcements of a personal nature, sharing of files or attachments not directly relevant to the purpose of the NERC activity, and communication of personal views or opinions, unless those views are directly related to the purpose of the NERC activity. Unless authorized by an appropriate NERC officer, individuals participating in NERC activities are not authorized to speak on behalf of NERC or to indicate their views represent the views of NERC, and should provide such a disclaimer if identifying themselves as a participant in a NERC activity to the press, at speaking engagements, or through other public communications.

Finally, participants shall not distribute work product developed during the course of NERC activities if that work product is deemed Confidential Information consistent with the NERC Rules of Procedure Section 1500. Participants also shall not distribute work product developed during the course of NERC activities if distribution is not permitted by NERC or the relevant committee chair or vice chair (e.g., an embargoed report), provided that NERC, or the committee chair or vice chair in consultation with NERC staff, may grant in writing a request by a participant to allow further distribution of the work product to one or more specified entities within its industry sector if deemed to be appropriate. Any participant that distributes

work product labeled “embargoed,” “do not release,” or “confidential” (or other similar labels) without written approval for such further distribution would be in violation of this Policy. Such participants would be subject to restrictions on participation, including permanent removal from participation on a NERC committee or other NERC activity.

Reasonable Restrictions on Participation

If a participant does not comply with this Policy, certain reasonable restrictions on participation in NERC activities may be imposed as described below.

If a NERC staff member, or committee chair or vice chair after consultation with NERC staff, determines, by his or her own observation or by complaint of another participant, that a participant’s behavior is disruptive to the orderly conduct of a meeting in progress or otherwise violates this Policy, the NERC staff member or committee chair or vice chair may remove the participant from a meeting. Removal by the NERC staff member or committee chair or vice chair is limited solely to the meeting in progress and does not extend to any future meeting. Before a participant may be asked to leave the meeting, the NERC staff member or committee chair or vice chair must first remind the participant of the obligation to conduct himself or herself in accordance with this Policy and provide an opportunity for the participant to comply. If a participant is requested to leave a meeting by a NERC staff member or committee chair or vice chair, the participant must cooperate fully with the request.

Similarly, if a NERC staff member, or committee chair or vice chair after consultation with NERC staff, determines, by his or her own observation or by complaint of another participant, that a participant’s behavior is disruptive to the orderly conduct of a teleconference in progress or otherwise violates this Policy, the NERC staff member or committee chair or vice chair may request the participant to leave the teleconference. Removal by the NERC staff member or committee chair or vice chair is limited solely to the teleconference in progress and does not extend to any future teleconference. Before a participant may be asked to leave the teleconference, the NERC staff member or committee chair or vice chair must first remind the participant of the obligation to conduct himself or herself in accordance with this Policy and provide an opportunity for the participant to comply. If a participant is requested to leave a teleconference by a NERC staff member or committee chair or vice chair, the participant must cooperate fully with the request. Alternatively, the NERC staff member or committee chair or vice chair may choose to terminate the teleconference.

At any time, a NERC officer, after consultation with NERC’s General Counsel, may impose a restriction on a participant from one or more future meetings or teleconferences, a restriction on the use of any NERC-administered listserv or other communication list, or such other restriction as may be reasonably necessary to maintain the orderly conduct of NERC activities. Before approving any such restriction, the NERC General Counsel must provide notice to the affected participant and an opportunity to submit a written objection to the proposed restriction no fewer than seven days from the date on which notice is provided. If approved, the restriction is binding on the participant, and NERC will notify the organization employing or contracting with the restricted participant. A restricted participant may request removal of the restriction by submitting a request in writing to the NERC General Counsel. The restriction will be removed at the reasonable discretion of the NERC General Counsel or a designee.

Upon the authorization of the NERC General Counsel, NERC may require any participant in any NERC activity to execute a written acknowledgement of this Policy and its terms and agree that continued participation in any NERC activity is subject to compliance with this Policy.

Guidelines for Use of NERC Email Lists

NERC provides email lists, or “listservs,” to NERC stakeholder committees, groups, and teams to facilitate sharing information about NERC activities. It is the policy of NERC that all emails sent to NERC listservs be limited to topics that are directly relevant to the listserv group’s assigned scope of work. NERC reserves the right to apply administrative restrictions to any listserv or its participants, without advance notice, to ensure that the resource is used in accordance with this and other NERC policies.

Prohibited activities include using NERC-provided listservs for any price-fixing, division of markets, and/or other anti-competitive behavior. Recipients and participants on NERC listservs may not utilize NERC listservs for their own private purposes. This may include lobbying for or against pending balloted standards, announcements of a personal nature, sharing of files or attachments not directly relevant to the listserv group’s scope of responsibilities, or communication of personal views or opinions, unless those views are provided to advance the work of the listserv’s group. Any offensive, abusive, or obscene language or material shall not be sent across the NERC listservs.

Any participant who has concerns about this Policy may contact NERC’s General Counsel.

Version History		
Version	Date	Revisions
1	February 6, 2019	Initial version
2	February 22, 2019	Clarified policy does not apply to Board or MRC Address participants speaking on behalf of NERC

Meeting Minutes

Project Management and Oversight Subcommittee (PMOS)

July 19, 2022 | 2:00 – 4:00 p.m. Mountain Time

Introduction and Chair's Remarks

This was an in-person meeting hosted by Xcel Energy. Chair C. Yeung called the meeting to order at 2:00 p.m. Mountain Time (local time). 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 May 17, 2022 PMOS Meeting Minutes were reviewed. L. Lynch made a motion to approve the meeting minutes, seconded by J. Gatten and then approved by the PMOS members

2. Prior Action Items

- a. For the COVID update, NERC still hasn't publicly announced that NERC will host visitors on-site yet. All meeting requests will be reviewed on a case-by-case basis.

3. PMOS Action Items

- a. PMOS action items review: no outstanding action items at this time.
- b. PMOS Leadership/Membership Review (Chair position is open): The PMOS Chair's term will end on December 31, 2022. C. Yeung, the current Chair, is willing to step down but remain on PMOS to support PMOS activities at the end of his term. C. Yeung also noted that PMOS charter requires that "either the PMOS chair or vice-chair must also be a member of the Standards Committee (SC)". Since currently he is the only one who is a member of the SC, that means he would have to remain as Vice-Chair if not Chair. The current Vice-Chair, M. Brytowski, is willing to take the challenge to be the PMOS Chair starting on January 1, 2023. A.

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.

Casuscelli thanked Mr. Yeung for his many years of service and supported the idea of the Vice-Chair becoming the Chair with Mr. Yeung as the Vice-Chair. J. Gatten made a motion to recommend M. Brytowski as the Chair of PMOS, and C. Yeung as the Vice-Chair of PMOS starting on January 1, 2023, for a two-year term. The motion was moved by K. Rosener and seconded by L. Lynch. Then it was approved by all PMOS members. The recommended officer candidates will be submitted to the SC in September for the SC Chair's consideration.

- c. Project 2022-03 liaison assignment: K. Lanehome is assigned as the primary liaison and J. Gatten as backup.
- d. Introduction to PMOS: C. Yeung talked about PMOS liaison best practices. Some slides were shared at the meeting.

4. Project Tracking Spreadsheet (PTS) and Project Review

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

K. Lanehome reported: The SDT is working towards a 4th ballot, which will take place in August 2022. The team is strategically working through comments received to make appropriate changes in hopes to gain a passing rate for the remaining three standards.

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

L. Lynch reported: SDT met on May 23, 26, June 2, and 22, 2022 and have completed development of a revised Standard that is ready for industry comment. The revised Standard is on the July Standards Committee agenda for approval of a 45-day initial posting with a 10-day ballot period. The SDT will meet and respond to industry comments subsequent to the close of the initial posting. An industry webinar is tentatively scheduled for August 17, 2022.

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

J. Gatten reported: In the SC's February 16, 2022 meeting, the SC appointed additional candidates for the Standard Drafting Team (SDT), as recommended by NERC staff. The team divided into three sub-teams to work on the following issues: Definition approach; Minimum Facilities; and Battery. The SDT is developing the Standard revisions and anticipates a 45-day initial posting with 10-day ballot in September. There is a delay due to technical rationale.

- d. 2020-02 – Transmission-connected Resources:

P. Hunter reported: Revised transmission-connected dynamic reactive resources (TCDRR) SAR accepted by SC at April 20 meeting. SDT began revisions to PRC-024 and drafting Technical Rationale. There is a new SAR proposing a ride-through standard, which would replace/revise PRC-024-3. This was submitted to the SC on May 18. The next steps for Project 2020-02 will be coordinated appropriately.

- e. 2020-03 – Supply Chain Low Impact Revisions:

K. Rosener reported: The project did not pass the additional ballot which concluded on April 15th. The team had a meeting in May to begin addressing comments and revising the

standard. The team is working towards a second additional ballot with a target posting during the summer.

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

S. Habriga reported: The additional ballot did not pass and the SDT has been working to address comments and revise the standard. The team has meeting planned for the month of May and is targeting a second additional posting in June.

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

S. Habriga reported: The initial comment period for MOD-026-2 (combined MOD-026/027) ended on July 6, 2022. The SDT members are reviewing industry comments, identifying themes, recommended actions/revisions, and drafting responses to comments.

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

K. Rosener reported: The SDT continues to work towards an initial 9/1 posting that includes changes to PRC-019 and MOD-025 requirement language for inverter based resources and dynamic reactive resources.

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

R. Darrah reported: On June 15, 2022 the Standards Committee (1) accepted the SAR; (2) Authorized drafting revisions to the Reliability Standard identified in the SAR; (3) appointed the Project 2021-02 SAR drafting team as the SDT; and (4) Authorized a 30-day solicitation period for nominations to add SDT members with specific industry expertise as TOPs who receive and apply information to their respective Real-time assessment and Real-time monitoring activities - this nomination period closed on July 15.

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

L. Lynch reported: On May 23, NERC solicited nominations for supplemental drafting team members through June 22, 2022. The current drafting team (“Group A”) is working on a field test pursuant to the Standard Authorization Request (SAR) regarding Transmission Owner Control Centers (TOCCs). The supplemental drafting team members (“Group B”) will be addressing the three (3) additional SARs and will not focus on the CIP-002 field test.

Questionnaires 1, 2, and the data study have been completed and the majority have been submitted.

The Standards Committee will be approving the Group B team members at its August meeting. Group A will be meeting in July to review all of the data received from the field test. This will be a closed meeting due to non-public information. A follow-up meeting will be set-up with industry once the non-public information has been reviewed. Next steps will be to get industry input via a conference call and prepare for next steps.

k. 2021-04 – Modifications to PRC-002-2:

M. Brytowski reported: The SC accepted the Project 2021-04 Modifications to PRC-002 Standard Authorization Requests (SARs); Authorized drafting revisions to the Reliability

Standards identified in the SARs; and Appointed the Project 2021-04 SAR Drafting Team (DT) as the Project 2021-04 Standard Drafting Team (SDT) at the SC's 2022 January meeting (January 19, 2022). The SDT finished Phase I (Glencoe Light SAR) and sent the redlined Standard/Requirements to the Quality Review Team for review and comments. The SDT submitted the redlined Standard/Requirements along with an Implementation plan to the Standards Committee for approval for the initial posting and comments. Formal Comment Period was posted on June 9, 2022 and open through July 25, 2022. Ballot Pools Forming through July 8, 2022.

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

B. Wu reported: The Standard Drafting Team concluded to retire Requirement R2 with the reasoning mentioned in the justification document. The next step would be to send the modified Standard, Implementation Plan, along with the technical justification document for quality review. Then it will go to the SC for approval.

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

M. Brytowski reported: A 30-day informal comment period for the 2021-06 Modifications to IRO-010 and TOP-003 Standard Authorization Request, is open through 8 p.m. Eastern, Friday, August 6, 2021. The nomination period for SAR Drafting Team has been extended to August 16, 2021.

n. 2021-07 – Extreme Cold Weather Grid Operations, Preparedness, and Coordination

M. Brytowski reported: Initial formal comment and ballot period reduced from 45-days to as little as 30-days, with ballot(s) conducted during the last 10-days of the comment period. Form ballot pool in first 15-days. Additional formal comment and ballot period (s) reduced from 45-days to as little as 25-days, with ballot conducted during the last 10-days of the comment period. Final ballot reduced from 10-days to 5-calendar days. Standards Committee approved Standard Authorization Request (SAR) for posting 11/17/2021. SAR posted for comment 11/22 – 12/21/2021. 30-day formal or informal comment period with ballot May – June 2022. 30-day formal or informal comment period with additional ballot August 2022. 10-day final ballot September 2022 with Board adoption in October 2022.

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

K. Lanehome reported: A formal comment period for the Project 2021-08 Modifications to FAC-008-5 Standard Authorization Request (SAR) was closed on January 27, 2022. NERC also solicited nominations for volunteers to serve on the SAR drafting team. SC appointed chair, vice chair, and members to the SAR Drafting Team at the SC's April meeting. The SAR DT is currently working on the SAR and drafting responses to the industry comments.

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

C. Fritz reported: The project is now entering into the standards drafting team phase and they are planning to have approximately 5 drafting team meetings within the next couple of months.

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

B. Wu reported: All of the SARs have been redlined. An August 24th date is being targeted for submission to the Standards Committee for approval. It is likely that the SAR Drafting team will be recommended as the Standard Drafting Team for Project 2022-02.

r. 2022-03 – Energy Assurance with Energy-Constrained Resources - Update -TBD

B. Wu reported: An informal Standard Authorization Requests (SARs) comment period for Project 2022-03 Energy Assurance with Energy-Constrained Resources is currently posted through Thursday, July 21, 2022. In addition, nominations are being sought for SAR drafting team (DT) members. Next step is recommendation of SAR DT for SC appointment at September SC meeting.

5. Other

a. PMOS Update to Joint CCC/SC: C. Yeung asked the PMOS liaisons what the members see at standard drafting teams and concerns. The PMOS team discussed the Standards Efficiency Review and Quality Review processes. The liaisons agree that compliance folks should be invited or participate Standard Drafting Team meetings in order to avoid documents getting kicked back due to some compliance issues at the end of the project. K. Rosener used Project 2016-02 as an example and stated that it is a good model.

b. Next meeting:

Tuesday, August 16, 2022 from 2:30 - 4:30 p.m. Eastern

6. Adjournment

The meeting was adjourned at 4:07 p.m. Mountain Time.

Attachment 1 (July 19, 2022)

Name	Company	Member/Observer	Date
Charles Yeung	Southwest Power Pool, Inc.	Chair	7/19/2022
Michael Brytowski	Great River Energy	Vice Chair	7/19/2022
Ben Wu	NERC	Secretary	7/19/2022
Kirk Rosener	CPS Energy	Member	7/19/2022
Ken Lanehome	BPA	Member	7/19/2022
Linda Lynch	NextEra Energy Florida Power & Light	Member	7/19/2022
Rebecca Moore Darrah	ACES Power	Member	7/19/2022
Joseph Gatten	Xcel Energy	Member	7/19/2022
Sarah Habriga	ATC LLC	Member	7/19/2022
Pamela Hunter	Southern Company	Member	7/19/2022
Claudine Fritz	Exelon Corp	Member	7/19/2022
Amy Casuscelli	Xcel Energy	SC Chair	7/19/2022
Latrice Harkness	NERC	NERC Staff	7/19/2022
Alison Oswald	NERC	NERC Staff	7/19/2022
Chris Larson	NERC	NERC Staff	7/19/2022
Lauren Perotti	NERC	NERC Staff	7/19/2022
Morgan King	WECC	Observer	7/19/2022
Brian Capistrant	Xcel Energy	Observer	7/19/2022
Emerald Messo	Xcel Energy	Observer	7/19/2022
Ruida Shu	NPCC	Observer	7/19/2022
Rachel Coyne	TEXAS RE	Observer	7/19/2022
Sing Tay	AES	Observer	7/19/2022