

Agenda

Project Management and Oversight Subcommittee Meeting

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

Dial-in/Login Information: Dial-in: 1-415-655-0002 | Access Code: 2306 006 4875 | Password: 07192022
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Introduction and Chair's Remarks

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

Agenda Items

1. **Consent Agenda - Approve - Charles Yeung**
 - a. May 17, 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
 - b. PMOS Leadership/Membership Review (Chair position is open)
 - c. Project 2022-03 liaison assignment
 - d. Introduction to PMOS
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

- 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** - *TBD*

5. Other

- a. PMOS Update to Joint CCC/SC
 - i. What are liaisons seeing at drafting teams?
- b. Next meeting
 - i. Tuesday, August 16, 2022 from 2:30 - 4:30 p.m. Eastern
- c. Other

6. Adjournment

*Background materials included.

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)

May 17, 2022 | 2:30–4:30 p.m. Eastern

Introduction and Chair's Remarks

Chair C. Yeung called the meeting to order at 2:30 p.m. Eastern. The meeting was announced and publicly posted on the www.nerc.com website on May 9, 2022. 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 L. Harkness. L. Harkness 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 March 22, 2022 PMOS Meeting Minutes were reviewed then approved by the PMOS.

2. Prior Action Items

- a. NERC is not ready to host visitors on site yet. However, the next in-person meeting is tentatively scheduled for July 19, 2022, then joint meeting with the SC on July 20, 2022.

3. PMOS Action Items

No action items at this time.

4. Membership Review and New Assignments

C. Godoy resigned from PMOS due to a new job opportunity. P. Hunter will take L. Lynch's place to be the primary liaison for Project 2020-02. S. Habriga is assigned as the primary liaison and E. Murphy is the backup liaison for Project 2020-06. K. Rosener is assigned as the primary liaison and S. Lynch will be the backup for Project 2021-01. C. Fritz is assigned as backup liaison to Project 2021-05. S. Habriga is taken L. Lynch's place to be the backup liaison for Project 2021-08.

5. Project Tracking Spreadsheet (PTS) and Project Review

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

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.

K. Lanehome reported: The SDT worked on responses to themes derived from Industry responses from the September ballot and comment. A 45-day formal comment period for the CIP Virtualization suite of standards (outlined below) is open through 8 p.m. Eastern Monday, April 4, 2022 (Draft 3). Now extended to April 11, 2022.

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

L. Lynch reported: SDT met on March 31, and April 12 & 26, 2022. SDT has developed a definition for Credit for Load Resources (CLR), (an ERCOT term); and, presented to RS the SDT's plan to move the BAL-003 data requests to the 1600 Data Reporting process. Public SDT meetings are scheduled for Monday, May 23, and Thursday, May 26, 2022. Next steps: Complete revisions to Standard requirements and Attachment A, with initial posting in mid-July.

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

J. Gatten reported: The SDT met on May 5 to discuss options for definitions for Protective System and Protective Function. The team reached a consensus on definitions to go forward. The team will be voting on May 19 on whether to have an "in standard" definition or to update the Glossary of Terms. The SDT team will then transition to work on the following issues: Minimum Facilities; and Battery. Next Meeting: Thursday, May 19, 2022.

d. 2020-02 – Transmission-connected Resources:

L. Lynch 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 be 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 has meeting scheduled in May to begin addressing comments and making revisions to 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. 2020-05 – Modifications to FAC-001-3 and FAC-002-2:

The project passed final ballot with an 85.63% approval on April 22, 2022. NERC BOT adopted the Standards on May 12, 2022. Will be archived.

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

- S. Habriga reported: The SDT has held multiple meetings to discuss revisions to MOD-026/027, Attachment 1 (periodicity), and the technical rationale. The proposed MOD-026-2 would merge MOD-026-1 and MOD-027-1. Request initial posting and 45 day comment period at May SC Agenda (May 20 to July 5).
- i. 2021-01 – Modifications to MOD-025 and PRC-019:
- L. Lynch/K. Rosener reported: The SDT was appointed in December 2021. The SDT is revising PRC-019 to update the Facilities and requirement language for inverter based resources and dynamic reactive resources. The SDT is revising MOD-025 to allow multiple methods to verify the generator/Facility capability.
- j. 2021-02 – Modifications to VAR-002-4.1:
- a. R. Darrah/J. Gatten reported: An informal comment period for the Project 2021-02 Modifications to VAR-002 Standard Authorization Request (SAR), is open through 8 p.m. Eastern, Wednesday, April 6, 2022.
- SAR updated to respond to comments from initial posting including adding “Consider NERC Odessa Disturbance Report recommendations for modifications or additions to existing requirements.”
- k. 2021-03 – Transmission Owner Control Centers (TOCC):
- L. Lynch reported: SAR DT met on March 25, April 22, and May 13, 2022. SAR DT responses to Questionnaire #2 (Q2), power flow studies, and one-line diagrams have been completed. Q1 and Q2 are posted on the NERC website and the team is working to update the public documents with the power flow studies and one-line diagrams with information that can be publicly shared. The team will be reviewing the power flow studies and one-line diagrams to determine if additional information (Q4) will be needed. If a 4th Questionnaire is necessary, it will be distributed on or around September 6, 2022. Next scheduled meeting will be on May 13, 2022. Other detailed schedule of activities below.
- l. 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 reviewing and comments. The SDT submitted the redlined Standard/Requirements along with Implementation plan to the Standards Committee for approval for the initial posting and comments.
- m. 2021-05 – Modifications to PRC-023-4:
- B. Wu reported: The Standard Drafting Team is considering retiring Requirement R2 at this moment. The SDT has been working on the justifications for the past couple of meetings.
- n. 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.

o. 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 11/22/21 – 12/21/21. 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.

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

B. Wu 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 had their first meeting on May 10, 2022 to kick it off. The next meeting is scheduled for May 19, 2022.

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

C. Fritz reported: A comment period for the Project 2022-01 Reporting ACE Definition and Associated Terms Standard Authorization Requests (SARs) is currently posted through March 10, 2022. NERC also solicited nominations for volunteers to serve on the SARs drafting team. The SAR DT is currently reviewing the comments received from the industry and redlining the SAR.

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

E. Murphy reported: A comment period for the Project 2022-02 Modifications to MOD-032 and TPL-001 Standard Authorization Requests (SARs) closed on March 02, 2022. SC appointed chair, vice chair, and members to the SAR Drafting Team at the SC's April meeting. The SAR DT had their first meeting on May 11, 2022 to kick the project off. The next meeting is scheduled for May 18, 2022.

6. Other

a. Next meeting:

In-person meeting on Tuesday, July 19, 2022 from 4:00 - 6:00 p.m. Eastern (Joint meeting with SC on July 20, 2022)

7. Adjournment

The meeting was adjourned at 4:14 p.m. Eastern.

Attachment 1 (May 17, 2022)

Name	Company	Member/Observer	Date
Charles Yeung	Southwest Power Pool, Inc.	Chair	5/17/2022
Michael Brytowski	Great River Energy	Vice Chair	5/17/2022
Ben Wu	NERC	Secretary	5/17/2022
Kirk Rosener	CPS Energy	Member	5/17/2022
Ken Lanehome	BPA	Member	5/17/2022
Linda Lynch	NextEra Energy Florida Power & Light	Member	5/17/2022
Rebecca Moore Darrah	ACES Power	Member	5/17/2022
Joseph Gatten	Xcel Energy	Member	5/17/2022
Sarah Habriga	ATC LLC	Member	5/17/2022
Ellese Murphy	Duke Energy	Member	5/17/2022
Pamela Hunter	Southern Company	Member	5/17/2022
Claudine Fritz	Exelon Corp	Member	5/17/2022
Amy Casuscelli	Xcel Energy	SC Chair	5/17/2022
Latrice Harkness	NERC	NERC Staff	5/17/2022
Jordan Mallory	NERC	NERC Staff	5/17/2022
Chris Larson	NERC	NERC Staff	5/17/2022
Josh Blume	NERC	NERC Staff	5/17/2022
Lauren Perotti	NERC	NERC Staff	5/17/2022
Alison Oswald	NERC	NERC Staff	5/17/2022
Dominique Thompson	NERC	NERC Staff	5/17/2022
Scott Barfield	NERC	NERC Staff	5/17/2022
Beverly Laios	AEP	Observer	5/17/2022
Mike Johnson	PGE	Observer	5/17/2022