

Meeting Minutes

Reliability and Security Technical Committee

October 14, 2020

Virtual via WebEx

A regular meeting of the NERC Reliability and Security Technical Committee (RSTC) was held on October 14, 2020, via webinar. The meeting agenda is affixed as **Exhibit A**.

RSTC Chair Greg Ford convened the meeting at 1:00 p.m. Eastern on Wednesday, October 14, 2020 and led introductions of RSTC members, Observers and NERC Staff.

Chair Ford called the meeting to order, and thanked everyone for attending. Tina Buzzard, NERC Staff, reviewed the procedures for the meeting, read the Antitrust Compliance Guidelines and Public meeting notice, and confirmed quorum for the RSTC.

Introductions and Chair's Remarks

Chair Ford called on Nina Jenkins- Johnston, NERC Legal, to review the meeting governance guidelines (listed below) with the hope of streamlining discussion of agenda items.

- For each topic that requires an action (approve, endorse, accept or remand), Chair Ford will state the primary motion, ask for first/second, speaker will present, committee then has discussion.
- At the conclusion of the discussion, a secondary motion can be offered, Chair Ford will ask for first/second, discussion/debate; Chair Ford will then call for a vote.
- If the secondary motion does not receive a second or is voted down, Chair Ford will go back and restate the primary motion. At this point, the following actions may proceed:
 - Debate on that primary motion again;
 - Another secondary motion can be offered;
 - Motion could be offered to postpone, table, etc. Management of next action will follow the first two bullets.

Meeting Highlights

1. Accepted the Concept Paper: Integrating Security Topics into RSTC Technical Groups
2. E025-2 - Unit Verification and Modeling to the Standards Committee
3. Endorsed the submittal of the SAR for Revisions to PRC-023-4 – Transmission Relay Loadability to the Standards Committee
4. Accepted for posting Reliability Guideline: Model Verification of Aggregate DER Models Used in Planning Studies for a 45-day industry comment period.
5. Approved the White Paper on Assessment of DER Impacts on NERC Reliability Standard TPL-001.

Chair Ford may initiate a motion to end debate. Motions can encompass accepting minor revisions as provided during the discussions and reflected in the words of the motion. Guiding principle is to address one action at a time.

Regular Agenda

Remarks - Greg Ford, RSTC Chair - Chair Ford noted the agenda covers consent agenda items that were not addressed during the September 15, 2020 meeting. Chair Ford provided an update on the sponsor trainings, stated they were going very well, and looked forward to future trainings.

Two requests were made to include the governance management procedures in future packages for the Committee, as well as to send out the full list of sponsors to the Committee, both will be addressed accordingly.

Concept Paper: Integrating Security Topics into RSTC Technical Groups* – Accept - Ryan Quint, NERC Staff

This concept paper is intended to support efforts of the RSTC to incorporate cyber and physical security considerations within the scope of every RSTC technical group. Seeking RSTC to accept the concepts paper for each subgroup to consider ways to integrate security into their scope.

Chair Ford stated the primary motion: *Motion to accept the Concept Paper: Integrating Security Topics into RSTC Technical Groups.*

Made by: Marc Child

Mr. Quint discussed the concept paper and the intent of it. He also hit the highlights for various groups pertaining to cyber and physical security.

A suggestion was made to have all subgroups provide this type of report to the committee annually or periodically. Chair Ford agreed noting we can leverage our sponsors for this going forward.

Chair Ford called for a vote on the motion, the motion carried without dissent.

SAR for Revisions to MOD-025-2 - Unit Verification and Modeling*– Endorse – Shawn Patterson, PPMVTF Chair

The PPMVTF has prepared a draft SAR that aligns with the previously approved white paper findings and is seeking RSTC endorsement to submit the SAR to the Standards Committee.

Chair Ford stated the primary motion: *Motion is to endorse the submittal of the SAR for Revisions to MOD-025-2 - Unit Verification and Modeling to the Standards Committee.*

Made by: Carl Turner

Mr. Patterson summarized the PPMVTF created a white paper which the RSTC approved. The recommendation of the white paper was to develop the SAR which we are bringing today. Purpose is to verify models by staged testing to demonstrate real and reactive power. PPMVTF has received

feedback since this standard went into effect. Consensus is the standard is not sufficient as-is and should be modified based on the SAR.

Greg Stone made secondary motion to endorse the SAR with the following item removed:

“Ensure that data provided by the applicable Generator Owners and Transmission Owners is analyzed and used appropriately by Transmission Planners and Planning Coordinators”

After brief discussion, Chair Ford called a vote on the second motion: remove item 5 from the scope items in MOD-025-2 SAR.

In favor: 8

Opposed: 13

Motion fails to carry. Fall back to original motion:

In favor: 19

Opposed: 6

The motion carries.

SAR for Revisions to PRC-023-4 – Transmission Relay Loadability*– Endorse – Jeff Iler, Chair SPCWG

The SPCS developed a PRC-023-4 SAR and requested NERC Planning Committee review in December 2018. The SAR was revised based on the comments received and is seeking endorsement to submit the SAR to the Standards Committee.

Chair Ford stated the primary motion: *Motion is to endorse the submittal of the **SAR for Revisions to PRC-023-4 – Transmission Relay Loadability** to the Standards Committee.*

Made by: Marc Child

Second: Carl Turner

Jeff Iler gave a brief background on the SAR. Requirement R2, in PRC-023-4, requires applicable functional entities to set their Out of Step Blocking (OOSB) elements to allow tripping for faults during the loading conditions prescribed by Requirement R1. A requirement to allow tripping in a Standard whose intent is to block tripping, has led to some entities disabling their OOSB relays. Disabling of these relays could lead to tripping during stable power swings causing an increased reliability risk. OOSB relays provide increased security by preventing relays from tripping for stable power swings. Preventing the tripping of transmission lines during these types of disturbances increases the reliability of the BES. The SAR recommends removing Requirement R2 because it has been interpreted to restrict the setting of OOSB elements making compliance with PRC-026 more difficult.

The SAR also recommends removing Attachment A exclusion 2.3. This exclusion is no longer needed and that exclusion has contributed to the confusion surrounding R2. Attachment A exclusion 2.3 has been interpreted as being in conflict with R2.

No discussion. Chair Ford called for the vote:

In favor: 25

Opposed: 2

The motion carries.

Reliability Guideline: Gas and Electrical Operational Coordination Considerations* – Accept to Post Document for 45-day Comment Period – Chris Pulong, ORS Chair

Chair Ford stated the primary motion: *Motion is to accept posting the **Reliability Guideline: Gas and Electrical Operational Coordination Considerations** for a 45-day public comment period.*

Made by: Jeff Harrison

Chris Pulong provided a summary of the development and revision of the Reliability Guideline. There were a few grammatical corrections and some improvement areas made to the guideline. The Reliability Guideline: Gas and Electrical Operational Coordination Considerations was revised by the Operating reliability Subcommittee and endorsed at its September 2020 meeting. They are seeking acceptance to post the document for a 45-day public comment period.

Brian Evans-Mongeon made a motion to table this item and ask the RTOS to coordinate with the EGWG to bring back a revised document for posting.

Chair Ford called for a vote:

In favor: 18

Opposed: 4

The motion carries. The RTOS will seek input from the EGWG.

Reliability Guideline: Model Verification of Aggregate DER Models Used in Planning Studies* – Accept to Post Document for 45-day Comment Period – Kun Zhu, SPIDERWG Chair

Chair Ford state the primary motion: *Motion is to accept posting **Reliability Guideline: Model Verification of Aggregate DER Models Used in Planning Studies** for a 45-day industry comment period.*

Made by: Carl turner

Second: Jody Green

Kun Zhu provided a summary of this agenda item to post a new Reliability Guideline. This guideline provides TPs and PCs with tools and techniques can be adapted for their specific systems to verify that the aggregate DER models created are a suitable representation of these resources in

planning assessments. SPIDERWG asks the RSTC to accept posting this Reliability Guideline: Model Verification of Aggregate DER Models used in Planning Studies for a 45 day industry commenting period as per the approval process for Reliability Guidelines.

After discussion by the committee members, it was recommended a clean copy be posted to which NERC staff agreed.

Chair Ford called for vote:

In favor: 20

Opposed: 0

The motion carries.

White Paper on Assessment of DER Impacts on NERC Reliability Standard TPL-001* – Approve –
Kun Zhu, SPIDERWG Chair

Chair Ford state the primary motion: *Motion to approve the **White Paper on Assessment of DER Impacts on NERC Reliability Standard TPL-001.***

Made by: Cesar Panait

Second: Brian Evans-Mongeon

Mr. Zhu provided an overview of the White Paper. The intent of the white paper is to highlight potential gaps or areas for improvement within TPL-001 along with some potential solutions such that a SAR or an implementation guide can be developed, as needed, to address various issues by a SDT. SPIDERWG asks the RSTC to approve the white paper.

After discussion by Committee members, Mr. Evans-Mongeon motioned to table this and have it considered at the same time that the second white paper (addressing DER impact on other standards) is presented to the RSTC.

Mr. Turner seconded the motion.

After further discussion, Mr. Evans-Mongeon and Mr. Turner agreed to withdraw their motion to table.

Chair Ford re-stated the original motion.

Mr. Evans-Mongeon motioned to approve the white paper and submit guidance to the SPIDERWG to consider developing a SAR that addresses the recommendations in the white paper as well as the future white paper on assessment of DER impacts on NERC reliability standards.

Mr. Turner seconded.

Vice Chair Zwergel called for a vote (Chair Ford had to step away)

In favor: 16

Secondary motion fails. Back to the primary motion.

Chair Ford called for vote on original motion:

In favor: 18

Opposed: 5

The motion carries.

SITES Scope and Work Plan – Update

Chair Ford appointed David Zwergel as the Chair and Benny Naas as the Vice Chair of this group, and noted that Marc Child is the sponsor. Chair Ford called on Vice Chair Zwergel to provide an update on the SITES Scope document review and to make the request for volunteers to assist in the revision of the Scope.

Ms. Messamore, Ms. Hasha, and Messrs. Turner, Schriver, Evans-Mongeon, and Shepherd volunteered. Vice Chair Zwergel stated he will coordinate with NERC staff to schedule the first meeting of the group.

Chair’s Closing Remarks and Adjournment

Chair Ford thanked the members of the Committee and respective NERC staff for the assistance in the implementation of the new governance management process, and stated he felt the meeting went well, was streamlined, and allowed for the proper discussions and management of actions.

There was a request to consider amending the new governance management to allow the presentation first prior to requesting the action motion, Chair Ford stated the Executive Committee would take the request under advisement.

Finally, Chair Ford updated that the registration will open on October 15 for Lead Planners and Planners for the E-ISAC GridEx VI. E-ISAC members can register at eisac.com. GridEx VI will be held November 16-17, 2021.

There being no further business before the RSTC, Chair Ford adjourned the meeting at 3:05 p.m. Eastern.

Next Meeting

The next regular meeting of the RSTC is December 15 and 16, 2020 and will be held virtually via WebEx.

Stephen Crutchfield

Stephen Crutchfield
Secretary

Agenda

Reliability and Security Technical Committee

October 14, 2020 | 1:00–4:00 p.m. Eastern Time

Attendee [Webex Link](#)

Call to Order

NERC Antitrust Compliance Guidelines and Public Announcement

Introductions and Chair's Remarks

Administrative items

1. **Announcement of Quorum**
2. **Meeting Governance**

Regular Agenda

2. **Remarks - Greg Ford, RSTC Chair**
3. **Concept Paper: Integrating Security Topics into RSTC Technical Groups* – Accept - Ryan Quint, NERC Staff**

This concept paper is intended to support efforts of the RSTC to incorporate cyber and physical security considerations within the scope of every RSTC technical group. Seeking RSTC to accept the concepts paper for each subgroup to consider ways to integrate security into their scope.

4. **SAR for Revisions to MOD-025-2 - Unit Verification and Modeling*– Endorse – Shawn Patterson, PPMVTF Chair**

The PPMVTF has prepared a draft SAR that aligns with the previously approved white paper findings and is seeking RSTC endorsement to submit the SAR to the Standards Committee.

5. **SAR for Revisions to PRC-023-4 – Transmission Relay Loadability*– Endorse – Jeff Iler, Chair SPCWG**

The SPCS developed a PRC-023-4 SAR and requested NERC Planning Committee review in December 2018. The SAR was revised based on the comments received and is seeking endorsement to submit the SAR to the Standards Committee.

6. **Reliability Guideline: Gas and Electrical Operational Coordination Considerations* – Accept to Post Document for 45-day Comment Period – Chris Pulong, ORS Chair**

The Reliability Guideline: Gas and Electrical Operational Coordination Considerations was revised by the Operating reliability Subcommittee and endorsed at its September 2020 meeting. The Operating Reliability Subcommittee and Electric-Gas Working Group will coordinate a comment

period, review and update for the Reliability Guideline. These two groups are seeking acceptance to post the document for a 45-day public comment period.

7. Reliability Guideline: Model Verification of Aggregate DER Models Used in Planning Studies* – Accept to Post Document for 45-day Comment Period – Kun Zhu, SPIDERWG Chair

This guideline provides TPs and PCs with tools and techniques can be adapted for their specific systems to verify that the aggregate DER models created are a suitable representation of these resources in planning assessments. SPIDERWG asks the RSTC to accept posting this Reliability Guideline: Model Verification of Aggregate DER Models used in Planning Studies for a 45 day industry commenting period as per the approval process for Reliability Guidelines.

8. White Paper on Assessment of DER Impacts on NERC Reliability Standard TPL-001* – Approve – Kun Zhu, SPIDERWG Chair

The intent of the white paper is to highlight potential gaps or areas for improvement within TPL-001 along with some potential solutions such that a SAR or an implementation guide can be developed, as needed, to address various issues by a SDT. SPIDERWG asks the RSTC to approve the white paper.

9. SITES Scope and Work Plan – Update

We want to update you on SITES Scope document review and ask for volunteers to assist in the revision of the Scope Document

10. Chair’s Closing Remarks and Adjournment

*Background materials included.