

# Meeting Minutes

## Performance Analysis Subcommittee Meeting

July 20, 2022 | 1:00 – 2:30 p.m. Eastern

WebEx Meeting

### **Introduction and Chair's Remarks** – Chair Brantley Tillis (Duke Energy)

Brantley provided a safety moment. He reminded participants to take appropriate COVID precautions and be mindful of the impact extreme weather conditions can cause.

### **NERC Antitrust Compliance Guidelines and Public Announcement** – Robert Tallman (NERC)

#### **Agenda Items**

#### **1. Reliability and Security Technical Committee (RSTC) Update – Jeff Harrison (AECI)**

Jeff provided an overview of the topics covered at the June 8 -9 RSTC meeting. The RSTC:

- a. Endorsed two Standard Authorization Requests (SARs) submitted by the Energy Reliability Assessments Task Force (ERATF)
- b. Approved the Geomagnetic Disturbance Data (GMD) Monitoring Reference Document
- c. Approved the Reliability Coordinator Reliability Plan Reference Document
- d. Endorsed the EOP-004 Standard Authorization Request

Additional information on the meeting can be found on the [RSTC webpage](#).

The next RSTC meeting is currently scheduled for September 13 – 14 in Atlanta at the Grand Hyatt Buckhead.

#### **2. Vice-Chair Vacancy – Chair Brantley Tillis (Duke Energy)**

- a. Subject to RSTC approval, David Penney (Texas RE) will become the next PAS Chair in September. PAS is requested to submit nominations for Vice Chair.

#### **3. PAS schedule for remainder 2022 – Robert Tallman (NERC)**

- a. Gap Analysis

The [State of Reliability Report \(SOR\)](#) is located on the NERC website.

Key Finding 6 stated that additional data types are needed to enable a complete analysis of adequate level of reliability performance objectives. Two of the five ALR performance objectives do not have performance measures in place because data to support them is not collected. Data to measure performance of IBRs, voltage performance, energy resource adequacy, and load loss and restoration are needed to improve analysis and trending of BES reliability performance. While the BES restoration and resiliency analyses have begun,

quantifying and trending the efficiency with which resources and load are restored during these events require new analyses that depend on additional data. ...

- i. Gaps identified in Chapter 5 Table 5.1, Adequate Level of Reliability Table of Reliability Performance Objectives (RPO) and Relevant Metrics included:
- ii. RPO 3: BES voltage is maintained within defined parameters.
- iii. RPO 5: Restoration of the BES after major system disturbances is performed in a coordinated and controlled manner.

PAS discussed what data sources might be used for these metrics.

For RPO 3, Event Analysis data is a potential data source. Category 2c: An Event that Results in a BES Emergency resulting in a voltage deviation of  $\geq 10\%$  difference of nominal voltage sustained for  $\geq 15$  continuous minutes. Also, EA Category 1d: System-wide voltage reduction of 3% or more that lasts more than 15 continuous minutes due to a BES Emergency, and UVLS events as possible data sources. Categories can be found in the Event Analysis Process document, [Report \(nerc.com\)](#).

For RPO 5, continued analysis in resilience is warranted. Examples of this type of analysis can be found in Appendix B of the SOR.

In-depth discussions by PAS are planned for these topics.

- b. SOR 2022 development review

A post mortem on the 2022 SOR development process is a future PAS agenda topics.

- c. Metrics requiring further review

During the development of the SOR, several metrics were identified as needing refinement.

#### **4. Sub-group and other Reports – Chair Brantley Tillis (Duke Energy)**

Donna Pratt (NERC) reminded PAS that comments for the GADS Section 1600 data request are due by August 5. Information on the data request can be found at <https://www.nerc.com/pa/RAPA/PA/Pages/Section1600DataRequests.aspx>.

Michael Lombardi (NPCC) provided an update on the Reliability Assessment Subcommittee (RAS). At the July meeting, the RAS focused on the assessment areas for the upcoming Long Term Reliability Assessment (LTRA). In the upcoming August / September meeting, the RAS will review the current draft of the 2022 LTRA.

David Penney encouraged RAS to review their Summer Assessment versus what actually happened. He also encouraged RAS to review the Board comments on the State of Reliability Report for actionable items by the RAS.

David Penney, Ryan Quint (NERC) and Rich Bauer (NERC) are developing two disturbance reports which will be published later this year.

#### **5. Upcoming meetings**

- a. Regularly scheduled meetings are on the third Wednesday of each month
  - i. Next Meeting - August 17, 2022
  - ii. Agenda items include approval for metrics M15, M16 and M17.

\*Background materials, including meeting minutes, are located on the PAS Extranet site. Meeting minutes are also posted on nerc.com. PAS members should contact [Robert Tallman](#) for access.