

NERC

NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

SMWG Update

Clifton Black, Chair, Southern Company
NASPI Meeting

April 16, 2025

RELIABILITY | RESILIENCE | SECURITY



- NERC SWG – CIP Implementation Guidance Document
 - Goal: High level guidance for practical scenarios of interest
 - Gleaning insights from various entities regarding CIP implementation considerations/criteria/procedures
- Addition of Oscillation as a new category in RCIS
- Roadmap for Operations Use of Synchrophasor
 - (Status | Challenges | Solutions) - Under development
 - Will work with NASPI CRSTT on single NERC Document
- PMU Data Accuracy Maintenance Manual
 - Under development
- Role-Based Synchrophasor Training (Collab. with NASPI)

- SMWG Vice Chair Role has been filled
 - Kat Sico (Duke Energy)
- Call for Oscillation Events
 - Especially IBR related events
- SMWG April 2025, Meeting – Hybrid (Upcoming)
 - Date: Thursday, April 17, 2025
 - Venue: MISO, Eagan Office
North Region Operations Center, 2985 Ames Crossing Road, Eagan MN 55121

Agenda Synchronized Measurement Working Group

April 17, 2025 | 8:00 a.m. – 5:00 p.m. Central

In-Person Attendance:

MISO
North Region Operations Center
2985 Ames Crossing Road
Eagan, MN 55121

WebEx

Meeting Link: [Join meeting](#)
Meeting number (access code): 2300 051 3765
Meeting password: Ppd53h935j8

Agenda Items

Time	Topic	Point of Contact
8:00 AM	Breakfast	
8:30 AM	NERC Antitrust Compliance Guidelines , Public Meeting Notice , Participant Conduct Policy , Introductions, and Safety Briefing.	All
8:40 AM	Opening Remarks Perspectives and updates from NERC SMWG leadership.	Chair C. Black, SOCO Vice Chair, K. Sico, Duke Energy
8:50 AM	Status Update, Administrative Materials, and the RSTC Outcomes Brief update on ongoing or recently closed document comment periods, review of agenda, previous meeting minutes, and outcomes. Announcement of new vice-chair.	J. Skeath, NERC
9:00 AM	SMWG Scope <i>(Consensus Action)</i> Update and send for approval of revised 2021 Scope	J. Skeath, NERC
9:30 AM	FPL's Insights and Strategies for Navigating the Challenges of the Evolving Grid Perspectives and on managing grid reliability	A. Arana, FPL
9:50 AM	PMU Data Accuracy and Maintenance Manual Update and discussion of content for this work plan product.	C. Black, SOCO
10:00 AM	Break	
10:15 AM	Resilient Timing Options for the Power Grid Presentation on timing alternatives to GPS	M. Cohen and J. Dunn, MITRE

Time	Topic	Point of Contact
10:45 AM	Applications of Machine Learning on Real-World PMU Data DOE project summary on wide array of PMU-based applications	N. Yu, UCR
11:30 AM	NERC SWG CIP Implementation Guidance Document Update and team results for the SWG CIP Implementation Guidance document and how SMWG can support or provide technical input.	C. Black, SOCO
12:00 PM	Lunch	
1:00 PM	Roadmap for Operations use of Synchrophasors Update, discussion and task improvement for development of roadmap. Identification as high priority RSTC item.	C. Black, SOCO
1:30 PM	Understanding the Inception of 14.7 Hz Oscillations Emerging from a Data Center Presentation of paper on grid oscillations due to new large loads	C. Mishra, Dominion
2:15 PM	The Case for Periodic Assessment of the Oscillatory Characteristics of the Eastern Interconnection (EI) and Continuous Monitoring Perspectives and discussion on approach to manage concerns regarding oscillations in evolving grid	J. Follum, PNNL C. Black, SOCO J.P. Skeath, NERC
3:00 PM	Break	
3:15 PM	Role-Based Synchrophasor Training Update and presentation of progress for role-based synchrophasor training	C. Black, SOCO
3:45 PM	Oscillation Damping Presentation on approach to mitigate grid oscillations	Y. Liu, UTK
4:15 PM ET	Work Plan and Meeting Updates Updates and confirmation of red items in future meeting table below.	J. Skeath, NERC C. Black, SOCO
5:00 PM	Adjourn	
5:30 PM	Group Dinner (TBA)	

FUTURE MEETINGS:

Date	Time	Location
April 17, 2025	8:00 AM to 5:00 PM Central Time	MISO Eagan Office, Eagan, MN
July – TBD	TBD	WebEx
September 25	8:00 am – 5:00 PM Local	TBD

- **Red** denotes unconfirmed meetings dates and locations.

A map of North America, including the United States, Canada, and Mexico. A horizontal band of three shades of blue (light, medium, and dark from top to bottom) stretches across the middle of the map, passing through the Great Lakes and the Ohio River valley. The text "Questions and Answers" is centered within this band.

Questions and Answers