

Technical Subgroup Meeting 9 DRAFT AGENDA

Friday, May 31st

9:30am – 12:30pm Central Time

[Join Webex meeting](#)

Meeting number (access code): 747 667 198

Meeting password: ymRQy2P5

Proposed Agenda

- 9:30 – 9:40 Welcome, Intros, Overview of Agenda, Recap (10 min)
- 9:40 – 9:55 MISO Straw Proposal and Process (15 min)
- 9:55 – 10:35 Writing Subgroup Presentation on Draft TIIR and Clarifying Questions (30 min presentation/10 min questions)
- 10:35 - 11:50 TSG Discussion of Flagged Topics – Resolve, Meet, or Written Comments? (1 hr 15 min)
- 11:50 – 12:10 Open Phase (Anti-Islanding) Testing and Grounding Bank Requirements (5 min for MNSEIA and Xcel summaries; 10 min discussion)
- 12:10 – 12:20 Process for MN DIP/DIA and TIIR as “living documents” (10 min)
- 12:20 – 12:30 Next Steps; Phase II Timing (10 min)

Objectives for May 31st:

- 1) Ensure TSG is aware of MISO straw proposal and process for finalizing regional guidance;
- 2) Review Writing Subgroup’s Draft TIIR and determine next steps on Flagged Topics;
- 3) Summarize concerns related to open phase (anti-islanding) and grounding bank requirements and determine next steps, if any, required by TSG;
- 4) Share perspectives/concerns re: process for MN DIP/DIA and TIIR as “living documents”
- 5) Flesh out the Phase II Timing (i.e. next steps toward a Commission-approved TIIR)

Phase II Technical Subgroup Roster

Craig Turner, Dakota Electric	Robert Jagusch, MMUA	Patrick Dalton/John Harlander/Alan Urban, Xcel Energy
Lise Trudeau, Dept of Commerce	Kevin McLean/Jenna Warmuth, MN Power	
	Kristi Robinson, MREA	John Dunlop/Chris Jarosch, MNSEIA
Brian Lydic/Sky Stanfield/Laura Hannah – Joint Movants	Dean Pawlowski, Otter Tail Power	Commissioner Matt Schuerger; Michelle Rosier; Cezar Panait
Professor Mahmoud Kabalan, St. Thomas Affiliation		Technical Assistance*: Michael Coddington and Michael Ingram, National Renewable Energy Laboratory Tom Key, Jens Boemer, Nadav Enbar; Electric Power Research Institute Pam Johnson, DOE Solar Energy Innovator Fellow

*Technical assistance is not a participant or party to the docket and does not advocate for specific outcomes in the proceeding. The role of technical assistance is to support Commission staff in the process for these proceedings, and to provide an objective source of information or data, as requested, by Commission staff to understand areas of disagreement amongst participants.

Draft Meeting Topics Proposal

<u>Date</u>	<u>Topic</u>
3/23/18	Meeting 1 Scope/Overview** (Walk-through with explanations: Red-lined TIIR; List of topics in scope of TSMs; Definitions
4/13/18	Meeting 2 Performance Categories**; Response to abnormal conditions; MISO Bulk Power System
5/18/18	
6/1/18	Full DGWG Meeting Technical Subgroup update; Phase I Update/Next Steps
6/8/18	Meeting 3 Reactive Power and Voltage/Power Control Performance**; Protection Requirements
7/20/18	Meeting 4 Energy Storage**; Non-Export and Inadvertent Export**; Capacity**
8/3/18	Meeting 4 topics continued
8/24/18	Meeting 5 Interoperability** (Monitor and Control Criteria); Metering**; cyber security
9/14/18	Meeting 7; Test and Verification**; Witness Test Protocol
9/21/18	Full Day, In Person TSG Meeting – Power Quality; Follow up items; Review/Reconcile edits in the draft TIIR
10/19/18	Meeting 8; References; Definitions*; 1-line diagram requirements; Agreements*, Frequency Ride-through
11/9/18	Full DGWG Meeting 7
5/31/19	Meeting 9; Writing Subgroup Updated Draft TIIR; MISO Straw Proposal; Open Phase “Anti-Islanding” and Grounding Bank Requirements; Phase II Timing