

# Meeting Notes

## Project 2023-07 Transmission System Planning Performance Requirements for Extreme Weather

February 13, 2024 | 12:30–3:30 p.m. Eastern

### **Review NERC Antitrust Compliance Guidelines and Public Announcement**

Jordan Mallory, NERC staff, called attention to the NERC Antitrust Compliance Guidelines and the public meeting notice

### **Roll Call**

J. Mallory completed the team roll call and quorum was met. The member attendance sheet is attached as Attachment 1.

### **Review requirement comments and make necessary edits**

The team reviewed specific requirements and updated where necessary. Specifically, the team reviewed Requirement R8 regarding performing Extreme Temperature Assessments for specific events. The team spent majority of the meeting discussion how these studies would be performed and when Corrective Action Plans (CAPS) were needed for base cases and/or sensitivity cases. The team continued by updating Requirement R9 with regards to the CAPs.

### **Review Consideration of FERC Directives from Order 896 Document**

The team reviewed the consideration of FERC Directives document at a high level.

### **Adjourn**

The team meeting adjourned at 3:30 p.m.

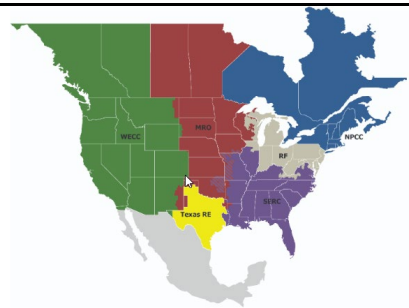
**Parking Lot Items:**

Date Submitted	Action Item	Submitter
1/22/2024	TPL-008-1 Attachment 1 Updates	Sun Wook
1/23/2024	ETA and Evil Three	Meena
1/23/2024	Comments received on R8 and R9	Chris Postma
1/8/2024	Justification for 200kV and above in standard	FERC staff

Questions for the team:

1. Do any of the below mean the same as another term?
2. Is there a process flow to these terms? (i.e., extreme heat and extreme cold benchmark event, initial benchmark power flow base cases, benchmark planning cases)
3. Are there any terms missing that are important to our project?
4. Do we need to add any of the terms below to the NERC glossary of terms to ensure we are clear? Only term below proposed is the Extreme Temperature Assessments.
5. We use the term “contingency” in our attachment, Do we want to capitalize it and use the definition that is housed in the NERC glossary of terms? See def. below in table.

Term	Definition	Image	Notes
<b>Extreme Temperature Assessments</b>	Documented evaluation of future Transmission System performance for extreme heat and extreme cold temperature benchmark events and Corrective Action Plans to remedy identified deficiencies.		Defined term in standard
<b>extreme heat and extreme cold benchmark events</b>	An extreme cold or extreme heat event. (e.g., winter storm Elliott, winter storm Uri, June 26-30, 2021 Pacific NW event, etc.)		

<b>Potential benchmark events</b>	available data sets of projected future weather.		
<b>Geographical boundaries</b>	separation of regions (MRO, RF, SERC, TRE, NPCC, WECC)		
<b>Electrical boundaries</b>	impacts to inter-tie across a region.		
<b>Initial benchmark power flow base cases</b>			
<b>Benchmark planning cases</b>			
<b>Initial benchmark study case</b>	initial power flow condition that captures extreme temperature impacts on load and seasonal outages of generation determined by the benchmark event. Generator derates and outages due to temperature <b>not</b> accounted for in the foundational case.		Is this the same as Initial benchmark power flow base cases?
<b>Sensitivity benchmark study cases</b>			
<b>long-term planning cases</b>			
<b>Scenario Cases (P0 Case)</b>			Will need to update Attachment 1 from scenario cases to sensitivity study cases

<b>Contingency</b>	The unexpected failure or outage of a system component, such as a generator, transmission line, circuit breaker, switch or other electrical element.		This is a NERC Glossary of term. WE do not have it capitalized in our standard. Do we want to capitalize it?
<b>Corrective Action Plan (CAP)</b>	A list of actions and an associated timetable for implementation to remedy a specific problem.		Used in our standard.
<b>Interconnection</b>	A geographic area in which the operation of Bulk Power System components is synchronized such that the failure of one or more of such components may adversely affect the ability of the operators of other components within the system to maintain Reliable Operation of the Facilities within their control. When capitalized, any one of the four major electric system networks in North America: Eastern, Western, ERCOT and Quebec.		We do not use this in the standard, but adding in case it would be useful.
<b>Planning Assessment</b>	Documented evaluation of future Transmission System performance and Corrective Action Plans to remedy identified deficiencies.		Used in our standard.
<b>Load</b>	An end-use device or customer that receives power from the electric system.		Used in our standard.

### **NERC Antitrust Guidelines**

It is NERC's policy and practice to obey the antitrust laws and to avoid all conduct that unreasonably restrains competition. This policy requires the avoidance of any conduct that violates, or that might appear to violate, the antitrust laws. Among other things, the antitrust laws forbid any agreement between or among competitors regarding prices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that unreasonably restrains competition. It is the responsibility of every NERC participant and employee who may in any way affect NERC's compliance with the antitrust laws to carry out this commitment.

### **Disclaimer**

Participants are reminded that this meeting is public. Notice of the meeting was posted on the NERC website and widely distributed. The notice included the number for dial-in participation. Participants should keep in mind that the audience may include members of the press and representatives of various governmental authorities, in addition to the expected participation by industry stakeholders.

### **NERC Standards Development Process-Participant Conduct Policy**

[https://www.nerc.com/pa/Stand/Resources/Documents/NERC\\_Participant\\_Conduct\\_Policy.pdf](https://www.nerc.com/pa/Stand/Resources/Documents/NERC_Participant_Conduct_Policy.pdf)

	<b>Name</b>	<b>Entity</b>	<b>Attendance</b>
<b>Chair</b>	Evan Wilcox	American Electric Power	Y
<b>Vice Chair</b>	Jared Shaw	Entergy Services	N
<b>Members</b>	Josie Daggett	Western Area Power Administration	Y
	David Duhart	Southwest Power Pool	Y
	Michael Herman	PJM Interconnection	Y
	Tracy Judson	Florida Power & Light	Y
	Sun Wook Kang	ERCOT	Y
	Andrew Kniska	ISO New England	N
	Dmitry Kosterev	Bonneville Power Administration	Y
	David Le	California ISO	Y
	Karl Perman	CIP CORPS	N
	Meenakshi Saravanan	ISO New England	N
	Kurtis Toews	Manitoba Hydro	Y
	Hayk Zargaryan	Southern California Edison	N
<b>PMOS Liaison</b>	Jason Chandler	Con Edison	N
	Donovan Crane	WECC	N
<b>NERC Staff</b>	Jordan Mallory – Standards Developer	North American Electric Reliability Corporation	Y

	<b>Name</b>	<b>Entity</b>	<b>Attendance</b>
	Lauren Perotti – Assistant General Counsel	North American Electric Reliability Corporation	N
	Scott Barfield-McGinnis	North American Electric Reliability Corporation	N