NERC
NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION

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

January 31, 2024 | 1:00–3:30 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 and Determination of Quorum
J. Mallory completed the team roll call and quorum was determined. The member attendance sheet is attached as attachment 1.

Review Meeting Agenda and Objectives
J. Mallory reviewed the meeting agenda with the team.

Review Definition
The drafting team reviewed the proposed Extreme Temperature Assessments definition. The team discussed the purpose of a definition and updated the definition to reflect the layout of what a definition should be and decided not to over clarify the definition. The final definition as of January 31, mentioned below.

> **Extreme Temperature Assessments** – Documented evaluation of future Transmission System performance for extreme heat and extreme cold temperature benchmark events

Draft VSLs
The drafting updated the VSLs based on drafted requirements.

Discuss Requirement Implementation Plan Timing
The team started to review the requirements and discussed implementation timing. It was discussed that some requirements could not be determined until attachment 1 is completed. Once attachment 1 is completed, the team will revisit the timeline for each requirement.

Adjourn
The drafting team adjourned at 3:30 p.m. eastern.

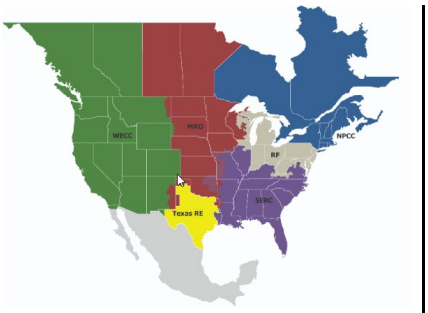
Parking Lot Items:

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

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
Extreme Temperature Assessments	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
extreme heat and extreme cold benchmark events	An extreme cold or extreme heat event. (e.g., winter storm Elliott, winter storm Uri, June 26-30, 2021 Pacific NW event, etc.)		
Potential benchmark events	available data sets of projected future weather.		

Geographical boundaries	separation of regions (MRO, RF, SERC, TRE, NPCC, WECC)		
Electrical boundaries	impacts to inter-tie across a region.		
Initial benchmark power flow base cases			
Benchmark planning cases			
Initial benchmark study case	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 ***not*** accounted for in the foundational case.		Is this the same as Initial benchmark power flow base cases?
Sensitivity benchmark study cases			
long-term planning cases			
Scenario Cases (P0 Case)			Will need to update Attachment 1 from scenario cases to sensitivity study cases
Contingency	The unexpected failure or outage of a system component, such as a		This is a NERC Glossary of term. WE do not have

	generator, transmission line, circuit breaker, switch or other electrical element.		it capitalized in our standard. Do we want to capitalize it?
Corrective Action Plan (CAP)	A list of actions and an associated timetable for implementation to remedy a specific problem.		Used in our standard.
Interconnection	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.
Planning Assessment	Documented evaluation of future Transmission System performance and Corrective Action Plans to remedy identified deficiencies.		Used in our standard.
Load	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

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

	Name	Entity	Attendance
	Lauren Perotti – Assistant General Counsel	North American Electric Reliability Corporation	N
	Scott Barfield-McGinnis	North American Electric Reliability Corporation	Y