

# NERC

NORTH AMERICAN ELECTRIC  
RELIABILITY CORPORATION

# Project 2018-01 Canadian-specific Revisions to TPL-007-2

Industry Webinar

October 23, 2018

**RELIABILITY | ACCOUNTABILITY**



- Presenters:
  - Cynthia Yiu, Hydro One Networks Inc. (Drafting Team Member)
  - Mat Bunch (NERC staff)
- Agenda:
  - Administrative Items
  - TPL-007-3 (Canadian Variance)
    - Requirement R7
    - Attachment 1-CAN
    - Implementation Plan
  - Standard Drafting Team (SDT) Actions and Project Milestones
  - Questions and Answers

## NERC Antitrust Guidelines

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- To enable the option of Canadian Registered Entities to leverage operating experience, observed GMD effects, and on-going research efforts for defining alternative Benchmark GMD Event(s) and/or Supplemental GMD Event(s) specific to their unique topology; and
- To address whether Canadian-specific language is needed in Requirement R7 to align with the regulatory practices/processes in Canada for approving Corrective Action Plan(s) requiring capital investments.

- Canadian entities have access to regionally specific data and research to define and implement alternative GMD planning event(s) for the GMD Vulnerability Assessment(s); and
- Regulatory practices/processes in Canadian jurisdictions may impact the implementation of a developed CAP.

- TPL-007-3 adds a Variance for Canadian entities to address the elements in the SAR by:
  - The creation of a Variance to Requirement, R7 Part 7.3 of the continent-wide standard for Canadian entities; and
  - The addition of Attachment 1-CAN that provides an alternative for GMD Vulnerability Assessment(s).
- **None of the continent-wide Requirements have been changed.**

- Variance of Requirement R7, Part 7.3 is only applicable to Canadian entities;
- Regulatory practices/process (including regulatory approvals, if required) vary across Canadian jurisdictions; and
- Modifications to timelines and/or actions of the CAP may occur due to regulatory approvals, if required.

### D. Regional Variances

#### D.A. Regional Variance for Canadian Jurisdictions

This Variance shall be applicable in Canada.

All references to “Attachment 1” in the standard are replaced with “Attachment 1 or Attachment 1-CAN.”

In addition, this Variance replaces Requirement R7, Part 7.3 with the following:

**D.A.7.3.** Include a timetable, subject to revision by the responsible entity in Part 7.4, for implementing the selected actions from Part 7.1. The timetable shall:

**D.A.7.3.1.** Specify implementation of non-hardware mitigation, if any, within two years of the later of the development of the CAP or **receipt of regulatory approvals, if required**; and

**D.A.7.3.2.** Specify implementation of hardware mitigation, if any, within four years of the later of the development of the CAP **or receipt of regulatory approvals, if required**.



- Performance-based approach that requires definition of regionally specific GMD event with 1-in-100 year return period to perform the vulnerability assessment(s)
- Allows the use of Canadian-specific data and technically justified information to improve modeling and validate simulations
- Defines technically justified information (e.g., governmental publications, technical peer-reviewed journals, data sets gathered using sound scientific principles, etc.)

- When applying Attachment 1-CAN, an entity shall consider the:
  - **Large-scale** spatial structure of the GMD event for the **benchmark** GMD Vulnerability Assessment(s);  
and
  - **Small-scale** spatial structure of the GMD event for the **supplemental** GMD Vulnerability Assessment(s)
- A Canadian entity that chooses to apply Attachment 1-CAN must technically justify the definition of the regionally specific GMD event.

- United States – No Change
  - TPL-007-3 becomes effective on the later date of the effective date of TPL-007-2 or first day of the first calendar quarter after the adoption date of TPL-007-3 by NERC Board of Trustees
  - Phased-in dates carried forward from the TPL-007-2 Implementation Plan
- All Other Jurisdictions (Including Canada)
  - Where approval by an applicable governmental authority is required, the standard shall become effective on the first day of the first calendar quarter that is three (3) months after the effective date of the applicable governmental authority's order approving the standard, or as otherwise provided for by the applicable governmental authority.
  - Where approval by an applicable governmental authority is not required, the standard shall become effective on the first day of the first calendar quarter that is three (3) months after the date the standard is adopted by the NERC Board of Trustees, or as otherwise provided for in that jurisdiction.

- Proposed Variance posted for 28-day informal comment period - **August 2018**
  - Widespread support amongst participating Canadian entities
- Team met to address comments and refine the Variance accordingly - **September 2018**
  - Response to Comments published on project page

- Ballots for TPL-007-3 and the Implementation Plan – **November 5-15, 2018**
- Ballot Pools being formed through **October 31, 2018**
  - Ballot Pool member responsibilities: Vote or Abstain
- Drafting team meeting – **November 27, 2018**
- Subsequent posting – **December 2018**
- Anticipated NERC Board of Trustees date – **February 2019**



# Questions and Answers