



# Transmission Planning Technical Guide

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*Revision 3 Updates*

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# Purpose

- Discuss proposed changes to Revision 3 of the Transmission Planning Technical Guide



# Background – Technical Guide Reorganization

- As discussed in the [September 2017 PAC meeting](#), the technical guide was reorganized to a new format with four (4) main sections
  - **Section 1: Introduction** - Describes purpose, source of the standards, and a description of various types of studies that are conducted
  - **Section 2: Modeling Assumptions** – Describes the various assumptions used to create network representations used in studies
  - **Section 3: Reliability Criteria and Guidelines** – Describes how standards and criteria are applied to establish acceptable system performance
  - **Section 4: Analysis Methodology** – Defines the methodologies used to conduct various system planning studies
- [Revision 2](#) was posted on the ISO website on November 14, 2017
- This was the first phase in the process with a more detailed content review planned for the future. First round of detailed review is presented today in the proposed Revision 3. Additional updates will be made in the future.



# Guide Content Review

- All Sections – Changes to terminology with Price Responsive Demand (PRD)
- Section 2.2 – Clarification to system load level definitions and what is tested
- Section 2.8 – Simplified generic interface transfer levels section and moved detailed methodology to Section 4
- Section 2.11 (New) – Moved power flow solution settings to assumptions from methodology subsections
- Section 3.1.2.5 – Added maximum bus voltage limits for nuclear units to Table 3-2



# Guide Content Review, cont.

- Section 4 – Split transmission Needs Assessments and Solutions Studies into a separate subsection 4.1 and Proposed Plan Application Testing into subsection 4.2 to allow for clarification in differences between study methodologies
- Section 4.1 – Detailed review to reflect current process for transmission Needs Assessments and Solutions Studies
  - Added language for creation of probabilistic based base case dispatches
  - Added detailed language on creation of system transfers and reserves
  - Removed language on critical load level analysis
- Section 4.2 – Moved previous description of stressed transfer levels from Section 2.8 to new subsection of PPA studies



# Next Steps

- Proposed revisions to the Transmission Planning Technical Guide are be posted to the PAC website
- Stakeholders can provide comments by May 13 to [PACMatters@iso-ne.com](mailto:PACMatters@iso-ne.com)
- Comments associated with the guide will be responded to soon after the comment period expires
- Further detailed content review of guide will continue with future revisions planned for 2018



# Questions

