

Definition of Bulk Electric System Industry Webinar: Bulk Electric System Guidance Document

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- Notice of Proposed Rulemaking
- Standard Drafting Team Activities:
 - Phase 2
- Project Milestones
- Guidance Document
- Question and Answer



Notice of Proposed Rulemaking

- Issued on June 22, 2012
 - Commission is proposing to approve:
 - Modifications to the definition of Bulk Electric System (BES)
 - Revisions to the Rules of Procedure (BES Exception Process)
 - Detailed Information to Support an Exception Request
 - Proposed Implementation Plan
 - Commission asked for comments on:
 - Application of the 'core' definition, inclusions and exclusions
 - Exception Process



DBES SDT Activities

• Phase 2:

- Technical Justification
 - Planning Committee Executive Committee Bright-line voltage criteria
 - Planning Committee Reliability Assessment Subcommittee Generation thresholds
 - Planning Committee Systems Analysis and Modeling Subcommittee Reactive resource thresholds & local network flow criteria
- Definition Clarification
- ERO Statement of Compliance Registry Criteria Coordination



Project Milestones



- Technical Justification Analysis
 - Deliverable target date: December 2012
- Definition of Bulk Electric System (DBES) Standard Drafting Team (SDT)
 - Develop appropriate revisions to the definition based on the Technical Justification Analysis Documents

• 45-day Concurrent Posting: 1Q13



The purpose of this document is to assist the industry with the application of the revised definition.

- Examples are provided where appropriate but should not be considered as all-inclusive.
- The document is intended to provide clarification and explanations for the application of the revised definition in a consistent, continent-wide basis for the majority of BES Elements.



- The Guidance Document depicts the application of the NERC Board of Trustees approved definition of the BES.
- Diagrams were developed based on the language contained in the definition.
- Review of these diagrams should begin without any preconceived ideas of what Elements should or should not be considered BES Elements.



The application of the "bright-line" BES definition is a **three-step process** that, when appropriately applied, will identify the vast majority of BES Elements in a **consistent manner** that can be applied **on a continentwide basis.**

An understanding of the core definition and each Inclusion and Exclusion is necessary to accurately and consistently apply the BES definition.



The Guidance Document illustrates how the specific parts of the definition are applied, and then how the hierarchal application of the definition is accomplished.

- Section I is a list of figures.
- Sections II and III provide illustrative diagrams with accompanying text, which describes the application of the BES definition (grouped according to the specific inclusion or exclusion).
- *Section IV* provides a series of system diagrams that depict the hierarchical application of the definition.
- *Section V* establishes the linkage to the Rules of Procedure Exception Process.



Section IV

Hierarchical Application

- Step one (1), the BES "core" definition is used to establish the bright-line of 100 kV, which is the overall demarcation point between BES and non-BES Elements.
- Step two (2) provides additional clarification for the purposes of identifying specific Elements that are included through the application of the inclusions to the definition.
- Step three (3) is to evaluate specific situations for exclusion from the BES (classification as non-BES Elements).
 - Step three (3) should be applied in the following sequence:
 - Exclusion E2, E4, E3, then E1.





Question and Answer



Website: http://www.nerc.com/filez/standards/Project2010-17_BES.html