

**NERC**

NORTH AMERICAN ELECTRIC  
RELIABILITY CORPORATION

# Project 2014-01

Standards Applicability for Dispersed Generation Resources  
Standard Drafting Team (DGR SDT)

Tony Jankowski, SDT Chair

Industry Webinar

April 28, 2014

**RELIABILITY | ACCOUNTABILITY**



- Standard Authorization Request (SAR) posted for formal comment on November 20, 2013
- FERC approved the BES Phase 2 Definition on March 20, 2014
  - The order recognizes this project
- Address all Generation Owner (GO)/Generator Operator (GOP) standards and some other functions that rely on GO/GOP data
  - Currently enforceable and pending regulatory approval
  - Coordinate activity among active SDTs and committees
  - White paper posted on April 2014
  - Comments due on May 5, 2014
  - Final SAR and consideration of SAR comments to be posted after white paper comments are reviewed

- Tony Jankowski (Chair), We Energies
- Tom Pruitt (Vice Chair), Duke Energy
- David Belanger, Exelon Generation
- George Brown, Acciona Energy North America
- Stephen Enyeart, Bonneville Power Administration
- Brian Evans-Mongeon, Utility Services, Inc.
- Jessie Nevarez, Terra-Gen Operating Company
- Jeffrey Plew, NextEra Energy Resources
- Dana Showalter, E.ON Climate & Renewables
- Randhir Singh, PSEG Fossil
- Eric White, MidAmerican Energy

- April 28, 2014: Industry webinar
- May 5, 2014: White paper comments due
- June 2014: Initial “high-priority” standards posted for comment and ballot
  - June 10, 2014: Standards Committee meeting
- November 2014/February 2015 – NERC Board of Trustees (Board) adoption of revised standards

- BES Definition Phase 2

- The BES definition includes the following inclusion criterion addressing dispersed generation resources:
  - I4. Dispersed power producing resources that aggregate to a total capacity greater than 75 MVA (gross nameplate rating), and that are connected through a system designed primarily for delivering such capacity to a common point of connection at a voltage of 100 kV or above. Thus, the facilities designated as BES are:
    - a) The individual resources, and
    - b) The system designed primarily for delivering capacity from the point where those resources aggregate to greater than 75 MVA to a common point of connection at a voltage of 100 kV or above.

- Intent is to not Modify Content of Requirements
  - Focus on applicability to dispersed generation resources
- Applicability Options
  - As stated in BES Definition
  - At point of aggregation  $\geq 75$ MVA
  - At connection to “Grid” net at the point of interconnection
- Necessary for Reliability
- Technical Justification for all applicability changes
- Standards Grouping/Buckets by Timeframe or Functionality and Priority

- Applicability Options
  - As stated in BES Definition
  - At point of aggregation  $\geq 75$ MVA
  - At connection to “Grid” net at the point of interconnection
- Poll Question: Do you agree with the proposed applicability options? If not, please provide a comment.

- Appendix A overview: Approval Status of the Standards which Include:
  - Subject to Enforcement
  - Subject to Future Enforcement
  - Filed and Pending Regulatory Approval
  - Pending Regulatory Filing
  - Designated for Retirement (Two standards—MOD-024-1 and MOD-025-1—officially listed as Filed and Pending Regulatory Approval but will be superseded by MOD-025-2)
  - Being revised in Project 2014-03 (Four standards—IRO-001-3, IRO-005-4, TOP-002-3, and TOP-003-2—officially listed as Filed and Pending Regulatory Approval)



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- **Three Categories for Dispersed Generation Resources:**
  - The existing standard language is appropriate when applied to dispersed generating resources and does not need to be addressed;
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  - The existing standard language needs to be modified in order to account for the unique characteristics of dispersed generation resources. This could be accomplished through the applicability section of the standard in most cases or, if required, through changes to the individual requirements. However, please note that any recommended changes to requirements are limited to changes in the applicability of the subject requirement and will not include technical changes to any requirement.

- Poll Question: Do you agree with the criteria used to group the standards into categories?

- White paper posted on April 4, 2014
  - Living evolving document
  - Direction of the SDT
  - Technical consideration of the unique characteristics of dispersed generation
  - Prioritization of standards to address
    - High, Medium, and Low
  - Present options for potential modifications to the standards
    - Focus on applicability
    - Develop technical analyses related to possible recommendations
  - Elicit feedback from industry

- The DGR SDT has identified three high-priority standards:
  - PRC-004-2.1a
  - PRC-005 (relevant versions)
  - VAR-002
- Appendix A
  - Identifies all standards that apply to GOs and GOPs, and DGR applicability
- Appendix B
  - Identifies standards requiring further SDT review

- Poll Question: Do you agree with the recommended high-priority standards (PRC-004-2.1a, PRC-005 (relevant versions), VAR-002)?



- Coordination with other SDTs
  - E.g., PRC and VAR SDTs
- Risk-Based Registration
- Regional BES definition compliance guidance
- July 1, 2014 effective date with compliance by July 1, 2016
- Project Update May 2014 Board meeting



# Questions and Answers