

Distributed Energy Resources Task Force Scope

January 2016

Purpose

The Distributed Energy Resources Task Force (DERTF) has been established in response to Recommendation #4 of the *Essential Reliability Services Task Force (ERSTF) Measures Framework Report*.¹ This task force will develop a report focused specifically on operational and planning impacts of Distributed Energy Resources (DERs) and will examine potential reliability implications. This report will also explore existing policies oriented toward supporting the reliable integration of DERs on the bulk power system (BPS) and will further examine the interplay with other Essential Reliability Services. In developing this report, the task force will review the NERC Functional Model, existing NERC Reliability Standards, and coordinating with the Institute of Electrical and Electronics Engineers (IEEE) 1547 related efforts. Additionally, the task force will review definitions for Behind-the-Meter Generation (BTMG), Distributed Generation (DG), and other related terms to provide clear distinctions between each category for inclusion in the report. Finally, the report will provide a recommendation for consistent modeling and assessing the reliability and/or operational impact of DERs in NERC's Long-Term Reliability Assessment (LTRA) and other assessments. The DERTF will terminate upon completion of an Operating and Planning Committees - approved DER report, no later than November 2016 (the report will be submitted to the NERC Board of Trustees (Board) in February of 2017).

Scope of Activities

1. Examine existing practices for incorporating DERs into planning models and studies.
2. Identify and thoroughly explain any existing operational impacts in localized areas with high penetration of non-controllable resources.
3. Facilitate data collection efforts and propose recommendations for improved data collection efforts by NERC.
4. Identify potential reliability metrics, and provide recommendations regarding to DERs.
5. Provide a recommendation for consistently modeling and assessing the reliability and/or operational impact of DERs in NERC's Long-Term Reliability Assessment (LTRA) and other assessments.
6. Review existing NERC Reliability Standards and coordinate with IEEE 1547 related efforts.
7. Review the NERC Functional Model against the definitions for (BTMG), (DG), and other related terms to provide clear distinctions between each category and treatment within NERC.
8. Consider the development of a Reliability Guideline and/or SAR that provides recommended requirements that Distribution Providers should consider for their DER-type interconnections.

¹ [ERSTF Measures Framework Report](#).

Reporting

The DERTF will report to the Essential Reliability Services Working Group (ERSWG), which reports to both the Planning and Operating Committees.

Leadership and Membership

The joint leadership of both the NERC Planning and Operating Committees will appoint a task force chair and vice-chair.

The DERTF representatives will include a consortium of subject matter experts from planning, operating, and distribution sectors. Nominated members will be reviewed for approval by the ERSWG leadership and NERC staff.

Meetings

Four to six open meetings per year, or as needed.