

NERC Essential Reliability Services Task Force

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Essential Reliability Services Task Force

Purpose

To develop a technical foundation of ERS;

- educating and informing industry, regulators, and the public about ERS;
- developing an approach for tracking and trending ERS; formulating recommendations to ensure the complete suite of ERS are provided and available;
- and providing guidance necessary for operating a reliable grid.

Scope/Background

Essential Reliability Services Task Force (ERSTF):

- Task: Identify and propose metrics for key Reliability Services that are changing due to evolution of system
- Joint project by NERC Operating and Planning Committees
- Broad participation – industry, government, regulators, academics

Activities

To develop:

- A technical reference document (primer) on ERS.
- An approach and framework for the long-term assessment of essential reliability metrics
- Specific recommendations for practices and proposed requirements
- A technically sound guidance document incorporating ERS in operations and operational planning.

Measures Endorsed

1. System Inertia:
 - Balancing Area Level
 - Interconnection Level
2. Frequency Response – “the Nadir”
3. Ramping Requirements:
 - 1 and 3 hour
4. Voltage capability – spare reactive on system

More information

- Tutorial:
 - [Concept Paper](#)
- Home Page:
 - [Essential Reliability Services Task Force \(ERSTF\)](#)