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NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

Essential Reliability Services Task Force

Kickoff Webinar

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RELIABILITY | ACCOUNTABILITY



It is NERC's policy and practice to obey the antitrust laws to avoid all conduct that unreasonably restrains competition. This policy requires the avoidance of any conduct that violates, or that might appear to violate, the antitrust laws. Among other things, the antitrust laws forbid any agreement between or among competitors regarding prices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that unreasonably restrains competition.

It is the responsibility of every NERC participant and employee who may in any way affect NERC's compliance with the antitrust laws to carry out this commitment.

- Introduction
 - Task Force members
 - Scope Review
 - Work Plan
 - Leadership
- Defining Essential Reliability Services
- White Paper Review
- Future Meetings
- Open Discussion

- Introduction

- Task Force members
 - [Essential Reliability Services Task Force](#) - Webpage
 - Nerc.com → Standing Committees and Other → Other → ERSTF Webpage
 - Email Exploder: erstf@nerc.com
- Scope Review - [ERSTF Scope](#)
- Work plan - [Work Plan](#)
- Leadership – Chair person – Ken McIntyre, ERCOT.

- Defining Essential Reliability Services

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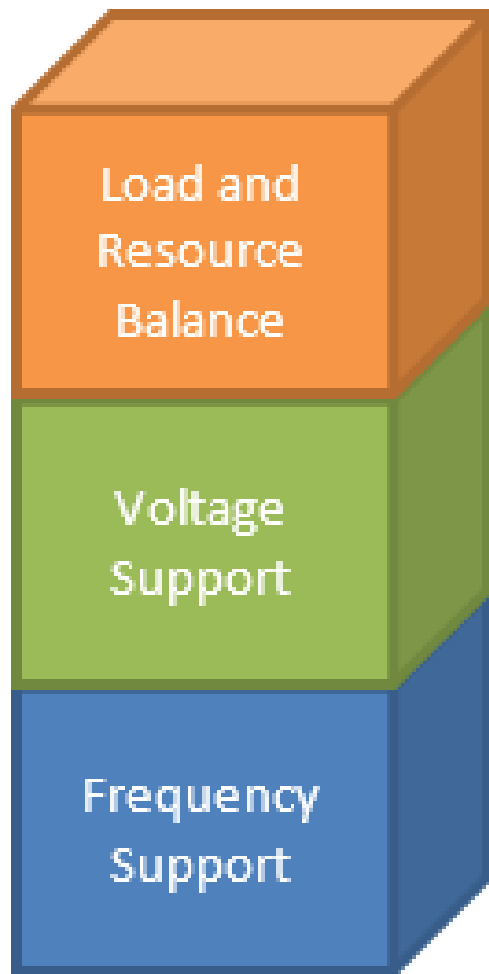
Whitepaper for the Essential Reliability Services Task Force

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- **Develop primer on essential reliability services**: NERC should develop a **reference document** on essential reliability services, which include frequency response, inertia, voltage stability, ramping capability, and other **operational requirements needed to ensure BPS reliability**. The primer can be used as a reference manual for **regulators and policy makers** and to **inform, educate, and build awareness** on the reliability ramifications of a changing resource mix.

- Identify a standardized set of ERS in functional, technology-neutral and performance based terms that meet the operational needs of the North American BPS.
- Describe the importance for BPS reliability from both a planning and operational perspective
 - How the resource mix change is affecting ERS?
 - What happens when you don't have ERS?
- **Target Audience:** Regulators, Policy Makers, and Industry Leadership



- Constitute “building blocks” (physical capabilities) needed to support reliability
- Have always existed, and will always exist under some name
- Some are combined and deployed to provide ancillary services; others extend reliability attributes beyond those that are defined by FERC
- Accommodate local/regional needs



- Operating Reserve
- Frequency Response
- Ramping Capability
- Active Power Control
- Reactive Power and Voltage Control
- Disturbance Ride-Through Tolerance

- The whitepaper provides a foundation for the Task Force
- The Task Force will develop an analytical assessment to evaluate ERS.
 - How is the analysis performed for each ERS?
 - What data is needed?
 - What are the parameters that can be used to gauge acceptable levels of ERS?
 - How are the parameters related to the overall composition of the resource mix, today and into the future?
- Expected Q4 2014

- White Paper
 - [ERSTF White Paper](#)
 - White Paper attached to the reminder announcement on Friday April 18, 2014.
 - Request Comments by end of the week, COB April 25, 2014.

- Future Meeting – Decide on
 - In Person Meetings
 - Conference Calls – Frequency of calls
- Discussion
 - Open Discussion, comments and questions



Questions and Answers