



Reliability Standards and Compliance Subcommittee FERC Update

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FERC-NERC-RE Joint Review of Restoration & Recovery Plans

On January 29, 2016, FERC/NERC issued a report on a joint staff review of restoration & recovery plans

Background

- In September 2014, FERC initiated a joint staff review with NERC and the Regional Entities, to assess entities' plans for restoration and recovery of the BPS following a widespread outage or blackout
- The primary objective of the joint staff review:
 - assess entities' plans for restoration and recovery, and
 - verify how the Reliability Standards support them (EOP-005, CIP-008 & CIP-009)

Process of Joint Review

- Information gathered from a representative sample of nine registered entities with significant bulk power grid responsibilities
- The review team examined the restoration, response and recovery plans of each participant, along with supporting information. Documents reviewed include:
 - Reliability Coordinator-approved restoration plans,
 - Procedures for deploying blackstart resources,
 - Steady state and dynamic simulations testing the effectiveness of the plans, and
 - Cyber security incident response plans and recovery plans for critical cyber assets.
- The joint staff review team then reviewed the associated Standards & to determine any reliability gaps

FERC-NERC-RE Joint Review Conclusions

- Overall, the joint staff review team found:
 - Participants have system restoration plans that, for the most part, are thorough and highly-detailed.
 - Participants had extensive cyber security incident response and recovery plans for critical cyber assets.
- High-level recommendations include:
 - Measures be taken, including, considering changes to the current Reliability Standards to address the issues and recommendations as set out in the body of the report.
 - Perform further studies in certain areas, including those in which CIP Reliability Standards have yet to go into effect.
 - Other registered entities responsible for system restoration, cyber security incident response, or recovery readiness consider incorporating similar practices into their plans and practices.
- The report includes 15 recommendations and three “beneficial practices.”



FERC Activities

Questions?