

# **Emergency Operations Standards Updates**

**Talk with Texas RE**  
**January 24, 2019**

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# Project 2015-08 Emergency Operations

- **Created to address the following:**
  - FERC Order No. 749, Paragraph 24, for EOP-005-2, System Restoration from Blackstart Resources
    - *Recognized potential benefit in the development of further guidance as to the term “unique tasks,” and BPA is uncertain as to the meaning of the term and consequently unsure as to how to demonstrate compliance with its training obligation. NERC, in its comments about the term, states that it “could promote the development of a guideline to aid registered entities in complying with Requirement R11.”*
  - Implement the recommendations of the Project 2015-02 EOP PRT to revise EOP-004-2, EOP-005-2, EOP-006-2, and EOP-008-1
  - Implement the recommended requirement retirements in EOP-004-2 and EOP-006-2

# Standards and Effective Dates

- **Implementation plans do not impact effective dates of new Standards**
- **Previous versions of Standards retired immediately prior to effective date of new Standards**

Standard	Title	Effective Date
EOP-004-4	Event Reporting	April 01, 2019
EOP-005-3	System Restoration from Blackstart Resources	April 01, 2019
EOP-006-3	System Restoration Coordination	April 01, 2019
EOP-008-2	Loss of Control Center Functionality	April 01, 2019

# EOP-004-4 – R2 (BA, DP, GO, GOP, RC, TO, TOP)

- **Event Reporting**

- R2 modified to clarify that events specified in Attachment 1 must be reported to entities specified in event reporting Operating Plan

- **Contact Information Validation**

- Requirements to validate contact information removed based on Periodic Review Team recommendations

- **Recommended Steps**

- Raise awareness to personnel responsible for event reporting
- Ensure reporting procedures and tools include all entities specified in Operating Plan
- Continue to validate contact information as best practice

# EOP-004-4 – Attachment 1 and Attachment 2

- **Reportable Events**
  - Event types, applicability, and reporting thresholds updated
- **Event Reporting Form**
  - Form in Attachment 2 updated to align with changes to Attachment 1
- **Recommended Steps**
  - Update event reporting Operating Plan to align with Attachment 1
  - Ensure updated event reporting form is incorporated into Operating Plan and reporting procedures
  - Raise awareness to personnel responsible for event reporting

- **Restoration Plan Submissions**

- For changes that change ability to implement restoration plan, plans must be submitted to the RC:
  - Within 90 calendar days after identifying any unplanned permanent BES modifications; or
  - Prior to implementing a planned permanent BES modification subject to its RC approval requirements per EOP-006

- **Recommended Steps**

- Identify and define types of changes that could change ability to implement restoration plan
- Coordinate with the RC to identify approval requirements
  - EOP-006 R5 allows RC 30 days following receipt of restoration plan to provide notification to TOP of approval or disapproval
- Update review and submission processes as necessary

- **Restoration Plan Verification**

- Clarification that simulation verifications must include a combination of steady state and dynamic simulations.
  - R6 rational states that “*Dynamic simulations should simulate frequency and voltage response. It is the intent of the EOP SDT that the simulation provides for the feedback of the System performance as generation and Load are added.*”

- **Recommended Steps**

- Review date of most recent verification of restoration plan and identify date on which next verification must be performed
- Verify process for future simulations addresses inclusion of a combination of steady state and dynamic studies

- **Operations Training Program**
  - New Part 8.5 requires TOPs to include “Transition of Demand and resource balance within its area to the Balancing Authority” in the annual System restoration training for its System Operators included within its operations training program.
- **Recommended Steps**
  - Review training program for inclusion of transition of Demand and resource balance in annual System restoration training
  - Update training program if necessary
  - Provide updated training by April 01, 2019 if transition is not already included in training program



# EOP-005-3 – R9 (DP, TO, TOP)

- **Field Switching Personnel Training**

- Rationale added for R9

- Rationale states “The intent of “unique tasks” are those tasks that are defined by the Transmission Operator, the Transmission Owner, and the Distribution Provider.”

- **Recommended Steps**

- Coordinate between DPs, TOs, and TOPs to identify field switching personnel tasks included in TOP restoration plan for each associated entity
- Define field switching personnel unique tasks associated with restoration plan that are outside of normal tasks
- Identify field switching personnel that would perform unique tasks as part of restoration plan
- Review training records and training program to ensure field switching personnel have received and will continue to receive two hours of System restoration training every two calendar years

# EOP-006-3 – R4 and R5 (RC)

- **Restoration Plan Review Notifications**

- Notification of conflicts discovered during review of neighboring RC restoration plan required within 60 calendar days following receipt of neighboring RC restoration plan
- Notification of TOP restoration plan approval or disapproval required within 30 calendar days following receipt of TOP restoration plan

- **Recommended Steps**

- Evaluate review process to ensure reviews can be completed with prescribed timeframes
  - Coordinate with TOPs to identify submission requirements for planned permanent BES modifications that change ability to implement restoration plan
- Develop internal controls to track receipt of restoration plans, review status, and required notification dates

- **Operating Plan for backup functionality**
  - “Data exchange capabilities” and “Interpersonal Communications” replace “Data communications” and “Voice communications”
- **Recommended Steps**
  - Review Operating Plan to identify impacts from changes to verbiage
    - Interpersonal Communication is NERC defined term
  - Update verbiage in Operating Plan as necessary

# Questions?

