Reliability Compliance Update

Reliability Standards and Compliance Subcommittee
Preston Walker
July 20, 2018
### NERC Standards Under Development

<table>
<thead>
<tr>
<th>Standards</th>
<th>Project</th>
<th>Action</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOD-026-1, MOD-027-1</td>
<td>Draft Reliability Guideline: Power Plant Model Verification for Inverter-Based Resources</td>
<td>Comment</td>
<td>07/26/2018</td>
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</tbody>
</table>

**Purpose:**

The NERC Power Plant Modeling and Verification Task Force (PPMVT) developed this guideline to support recommendations in the ERO Risk Priorities Report to address potential reliability impacts of the changing resource mix. The guideline covers many of the potential tests that may be needed to develop or verify dynamic models related to the activities of MOD-026-1 and MOD-027-1. The material presented is applicable to Generator Owners, Generator Operators, Planning Coordinators, Transmission Planners, Transmission Operators, Reliability Coordinators, testing engineers, and other subject matter experts of the NERC MOD Standards pertaining to model verification and capability testing.
NERC Standards Under Development

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<tr>
<td></td>
<td>Revisions to the NERC Standard Processes Manual</td>
<td>Comment and Vote</td>
<td>08/09/2018</td>
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A 45-day formal comment period is open through **August 9, 2018** for the following revised sections of the NERC Standards Process Manual (SPM):

- Section 4.4.2 – Clarify that SDT may develop and post tech documents
- Section 4.12 – 4.14 – Process for posting, balloting, and commenting
- Section 6.0 - Process for Conducting Field Tests;
- Section 7.0 - Process for Developing Interpretations;
- Section 8.0 - Process for Appealing an Action or Inaction; and
- Section 11.0 - Process for Approving Supporting Documents.

An additional ballot will be conducted **July 31 – August 9, 2018**.
## Draft Reliability Guideline: Generating Unit Operations during Complete Loss of Communications

### Applicability: BA, GOP, RC, TOP

### Purpose:
This guideline provides a strategy for power plant operations in the case of complete loss of communications (both data and voice) between the on-site generating unit(s) operator and the System Operator for the Balancing Area, Transmission Operator, and Reliability Coordinator.

This guideline was developed as requested by the NERC Operating Committee (OC) as part of the industry’s response to the Severe Impact Resilience Task Force (SIRTF) Recommendations. The NERC OC charter requires Reliability Guidelines to be refreshed every three years.

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<tr>
<td>Draft Reliability Guideline: Generating Unit Operations during Complete Loss of Communications</td>
<td>Comment</td>
<td>08/27/2018</td>
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Workshops
- NERC Standards and Compliance Workshop – July 24–25, 2018, Columbus, Ohio
- Monitoring and Situational Awareness Technical Conference – October 2–3, 2018, Carmel, Indiana
NERC Standards Subject to Future Enforcement

- **January 1, 2019**
  - BAL-005-1 – Balancing Authority Control
  - TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R5)
- **April 1, 2019**
  - EOP-004-4 – Event Reporting
  - EOP-005-3 – System Restoration from Blackstart Resources
  - EOP-006-3 – System Restoration Coordination
  - EOP-008-2 – Loss of Control Center Functionality
- **January 1, 2020**
  - PRC-026-1 – Relay Performance During Stable Power Swings (R2 - R4)
- **July 1, 2020**
  - PRC-002-2 – Disturbance Monitoring and Reporting Requirements (50% compliance for R2–4, 6–11)
- **January 1, 2021**
  - TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R6)
  - PRC-012-2 – Remedial Action Schemes
NERC Standards Subject to Future Enforcement

- **January 1, 2022**
  - TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R3, R4, R7)

- **July 1, 2022**
  - PRC-002-2 – Disturbance Monitoring and Reporting Requirements (50% compliance for R2–4, 6–11)
Questions?

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