Reliability Compliance Update

Planning Committee
Preston Walker
February 8, 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>INT-004-3.1</td>
<td>Project 2017-04 Periodic Review of Interchange Scheduling and Coordination Standards (INT)</td>
<td>Comment Period</td>
<td>02/23/2018</td>
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<tr>
<td>INT-006-4</td>
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<td>INT-009-2.1</td>
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<td>INT-010-2.1</td>
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**Applicability:**
BA, PSE, TSP

**Purpose:**
The Periodic Review Team (PRT) has made the following recommendations:
- INT-004-3.1  (Retire)
- INT-010-2.1  (Retire)
- INT-006-4     (Revise)
- INT-009-2.1  (Revise)

The PRT believes that many of the INT Requirements are redundant and do little to protect the Bulk Electric System.
## NERC Standards Under Development

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<tbody>
<tr>
<td>MOD-025-2</td>
<td>Draft Reliability Guideline: Power Plant Model and Verification Testing for Synchronous Machines</td>
<td>Comment Period</td>
<td>02/23/2018</td>
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<td>MOD-026-1</td>
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<td>MOD027-1</td>
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**Applicability:**
GO, TO, TP

**Purpose:**
This guideline covers an array of testing considerations, procedures, and how those tests help derive or verify model parameters, as related to MOD-025-2, MOD-026-1, and MOD027-1. This document describes tests that may need to be performed for generating facilities depending on specific situations (e.g., commissioning, development of a baseline model, and model verification).
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<tr>
<td>PER-003-2</td>
<td><strong>Project 2017-02 Modifications to Personnel Performance, Training, and Qualifications Standards</strong></td>
<td>• Comment</td>
<td>03/07/2018</td>
</tr>
</tbody>
</table>

**Applicability:**
RC, TOP, BA

**Purpose:**
- The PER Team recommends a footnote be added to PER-003 to ensure stakeholders understand (i) the connection between the Standard and the Program Manual; and (ii) that the certifications referenced under PER-003-1 are those under the NERC System Operator Certification Program.
- The PER-004-2 standard falls within Paragraph 81 Criterion B7 and should be retired.
NERC Standards Subject to Future Enforcement

- **April 1, 2018**
  - IRO-018-1(i) – Reliability Coordinator Real-time Reliability Monitoring and Analysis Capabilities
  - TOP-010-1 – Real-time Reliability Monitoring and Analysis Capabilities

- **July 1, 2018**
  - MOD-026-1 – Verification of Models and Data for Generator Excitation Control System or Plant Volt/VAR Control Functions (R2, R2.1 – R2.1.6)
  - MOD-027-1 – Verification of Models and Data for Turbine/Governor and Load Control or Active Power/Frequency Control Functions (R2, R2.1 – R2.1.5)
  - TOP-001-4 – Transmission Operations
  - TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R2)

- **January 1, 2019**
  - BAL-005-1 – Balancing Authority Control
  - TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R5)
NERC Standards Subject to Future Enforcement

- **January 1, 2020**
  - PRC-026-1 – Relay Performance During Stable Power Swings (R2 - R4)

- **January 1, 2021**
  - TPL-007-1 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R6)
  - PRC-012-2 – Remedial Action Schemes

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

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