



Reliability Compliance Update

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RSCS
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Agenda

- NERC Projects
- NERC News
- Standards Subject to Future Enforcement
- PJM RF Audit
- Questions



NERC Projects

Standards	Project	Action	End Date
BAL-003-2	<p>Project 2017-01 Modifications to BAL-003-1.1</p> <p>Applicability: BA, FRSG</p> <p>Background: Make the Interconnection Frequency Response Obligation (IFRO):</p> <ul style="list-style-type: none">➤ more reflective of current conditions➤ consider all characteristics affecting Frequency Response➤ include all applicable entities and be as equitable as possible; and <p>Frequency Response Measure (FRM):</p> <ul style="list-style-type: none">➤ ensure that over-performance by one entity does not negatively impact the evaluation of performance by another➤ measure types/periods of response➤ include all applicable entities and make allocations as equitable as possible.	Final Ballot	10/21/19



NERC Projects

Standards	Project	Action	End Date
IRO-010-2 TOP-003-3	<p data-bbox="277 451 1646 503">Project 2019-06 Cold Weather Standard Authorization Request (SAR)</p> <p data-bbox="277 532 1646 584">Applicability: BA, GO, GOP, RC, TO, TOP</p> <p data-bbox="277 625 1646 673">Background:</p> <ul data-bbox="277 682 1646 1088" style="list-style-type: none"><li data-bbox="277 682 1646 868">➤ IRO-010-2 and TOP-003-3 require the RC and BA, respectively, to maintain documented data specifications needed to support the Operational Planning Analyses (OPAs), Real-time monitoring, and Real-time Assessments<li data-bbox="277 893 1646 1088">➤ The proposed revisions will ensure RCs and BAs utilize information provided by GOs and GOPs to perform OPAs, and determine the expected availability and contingency reserves for the appropriate next day operating horizon during extreme cold weather	Submit Comments	11/5/19



NERC Projects

Standards	Project	Action	End Date
	<p>Eastern and Western Interconnection Generator Operator 2019 Survey</p> <p>Applicability: BA, GOP</p> <p>Background:</p> <ul style="list-style-type: none">➤ The survey is voluntary➤ It is an industry led effort to gather information to address reliability issues regarding Frequency Response➤ Demonstrate, as an industry, that reliability issues can be addressed outside of mandatory Reliability Standards and Requirements.➤ GOPs will be requested to submit their survey forms to PJM as the BA. <p>Generator Survey Webinars:</p> <p>September 19, 2019 2:00 - 3:00 p.m. Eastern</p> <p>September 26, 2019 2:00 - 3:00 p.m. Eastern</p>	<p>Submit Form to BA</p>	<p>11/22/19</p>

➤ **Workshops**

- GridSecCon 2019 – October 22–25, 2019, Atlanta, GA
- Probabilistic Analysis Forum – December 11–13, 2019, Atlanta, GA

➤ **Webinars**

- Guideline for Distributed Energy Resource (DER) Modeling for Bulk Power System Planning Assessments – 11:30 a.m.–12:30 p.m. Eastern, November 8, 2019
- Improvements to Compliance and Enforcement Pages on NERC.com – 3:00–3:30 p.m. Eastern, November 14, 2019
- Improvements to Compliance and Enforcement Pages on NERC.com – 2:00–2:30 p.m. Eastern, December 9, 2019

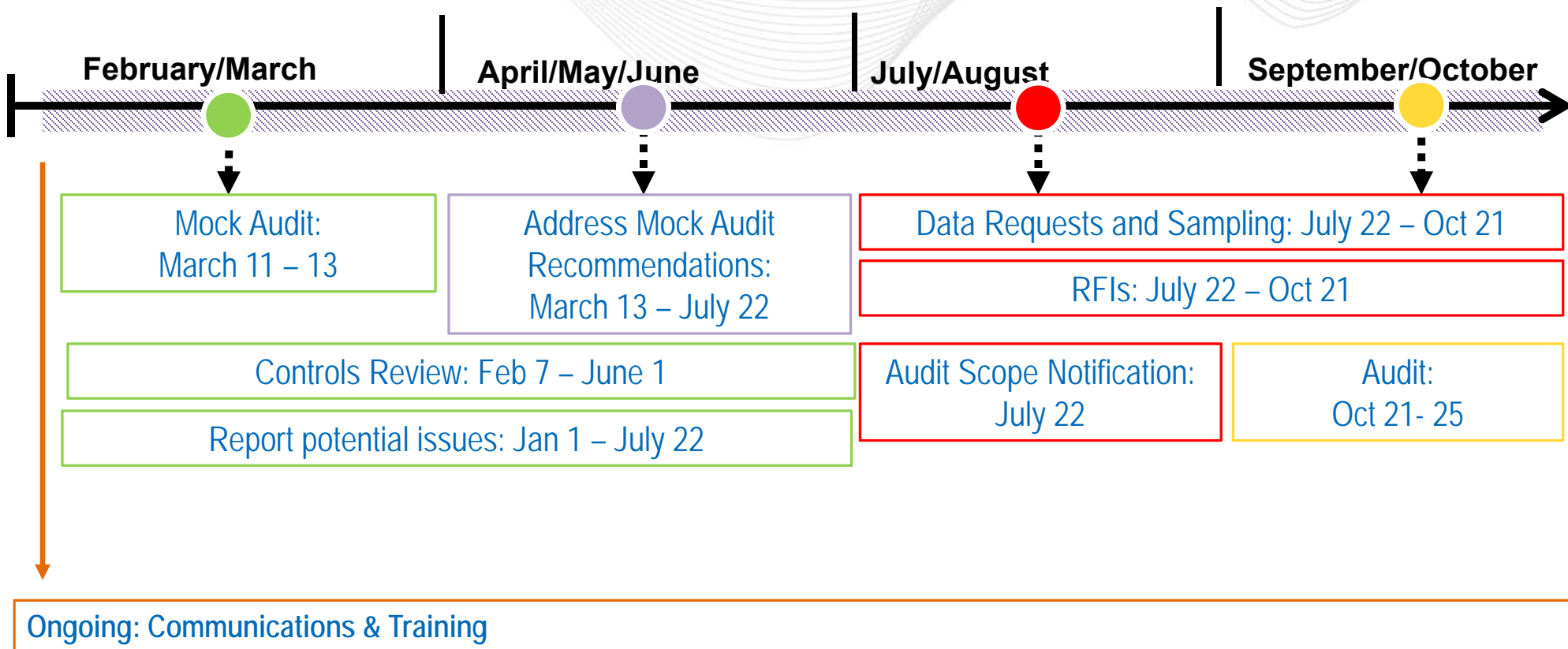


NERC Standards Subject to Future Enforcement

- **July 1, 2019**
 - PER-003-2 – Operating Personnel Credentials
 - TPL-007-3 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R1, R2)
- **January 1, 2020**
 - IRO-002-6 - Reliability Coordination – Monitoring and Analysis
 - 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-007-3 – Transmission System Planned Performance for Geomagnetic Disturbance Events (R6)
 - PRC-012-2 – Remedial Action Schemes
- **January 1, 2022**
 - TPL-007-3 – 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)



Overall 2019 Audit Timeline





RF Operations and Planning Audit Scope

Standard Number	Req. No.
BAL-502-RF-03	R1.
BAL-502-RF-03	R2.
BAL-502-RF-03	R3.
FAC-002-2	R1.
IRO-002-5	R2.
IRO-002-5	R3.
IRO-002-5	R4.
IRO-002-5	R5.
IRO-002-5	R6.
IRO-008-2	R1.
IRO-008-2	R2.
IRO-008-2	R3.
IRO-008-2	R4.
IRO-008-2	R5.
IRO-008-2	R6.
IRO-018-1(i)	R1.
IRO-018-1(i)	R2.
IRO-018-1(i)	R3.

Standard Number	Req. No.
MOD-032-1	R1.
MOD-032-1	R4.
MOD-033-1	R1.
MOD-033-1	R2.
TOP-001-4	R9.
TPL-001-4	R1.
TPL-001-4	R2.
TPL-001-4	R3.
TPL-001-4	R4.
TPL-007-1	R1.
TPL-007-1	R2.
VAR-001-5	R1.
VAR-001-5	R2.
VAR-001-5	R3.
VAR-001-5	R4.
VAR-001-5	R5.
VAR-001-5	R6.

- **11** Standards
- **35** Requirements
- **90%** of Requirements in scope were reviewed during PJM Mock Audit
- **65%** of Requirements in Controls Review were removed from Audit scope
- **16** additional Requirements were added to Audit scope
- **35%** overall reduction in Audit scope