



# Reliability Compliance Update

Preston Walker  
System Operations Subcommittee  
October 10, 2019

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

Standards	Project	Action	End Date
IRO-010-2 TOP-003-3	<p><b>Project 2019-06 Cold Weather Standard Authorization Request (SAR)</b></p> <p><b>Applicability:</b> BA, GO, GOP, RC, TO, TOP</p> <p><b>Background:</b></p> <ul style="list-style-type: none"> <li>➤ 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> <li>➤ 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</li> </ul>	<p><b>Submit Comments</b></p>	<p><b>11/5/19</b></p>

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

## ➤ **Workshops**

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

## ➤ **Webinars**

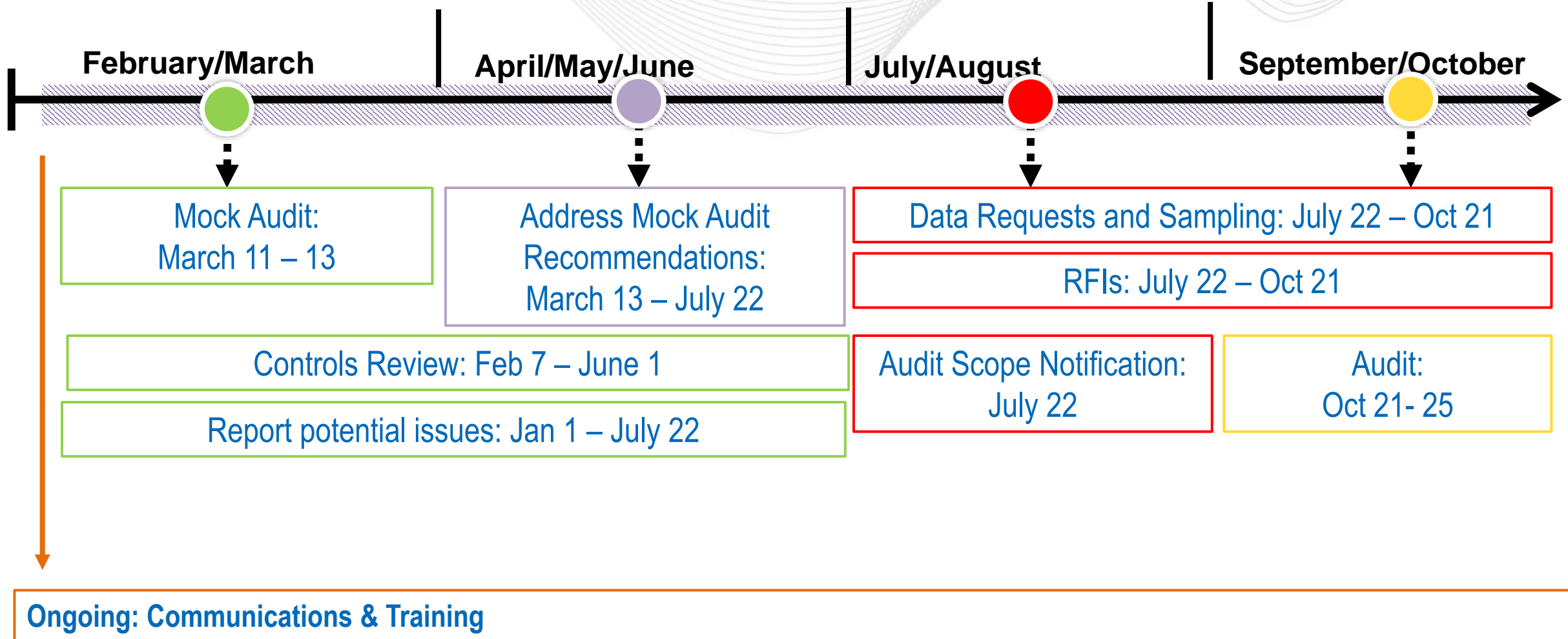
- FERC/NERC/Regional Entity Cold Weather Event Report Webinar – 2:00–3:00 p.m. Eastern, October 10, 2019
- Recommended Improvements to Interconnection Requirements for Inverter-Based Resources Webinar – 12:30–2:30 p.m. Eastern, October 11, 2019
- Improvements to Compliance and Enforcement Pages on NERC.com Webinar – 3:00–3:30 p.m. Eastern, November 14, 2019
- Improvements to Compliance and Enforcement Pages on NERC.com Webinar – 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