

# NERC

NORTH AMERICAN ELECTRIC  
RELIABILITY CORPORATION

# Facility Ratings Activities

Agenda Item 2

Steven Noess, Director, Regulatory Programs, NERC

Teresina Stasko, Assistant General Counsel and Director of Enforcement, NERC

Tim Ponseti, VP Operations, SERC

Tom Galloway, CEO, NATF

February 9, 2022

**RELIABILITY | RESILIENCE | SECURITY**



## • PREVENTATIVE

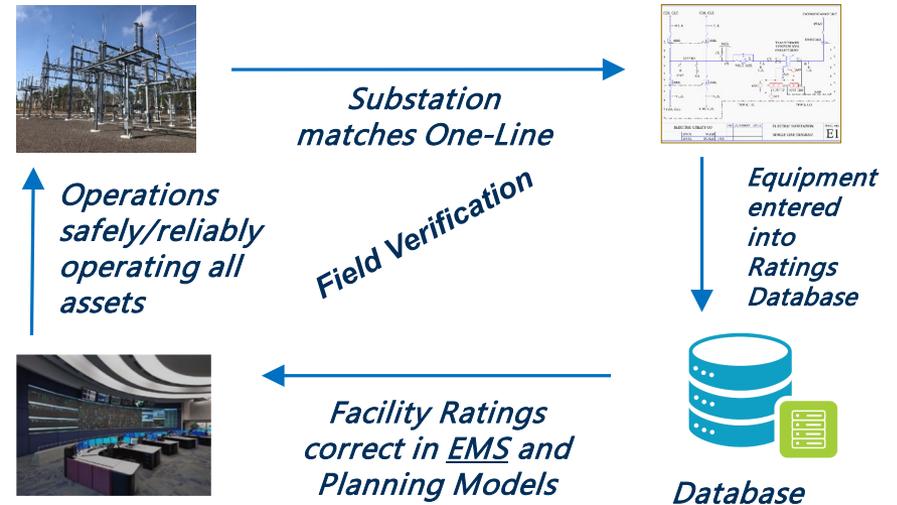
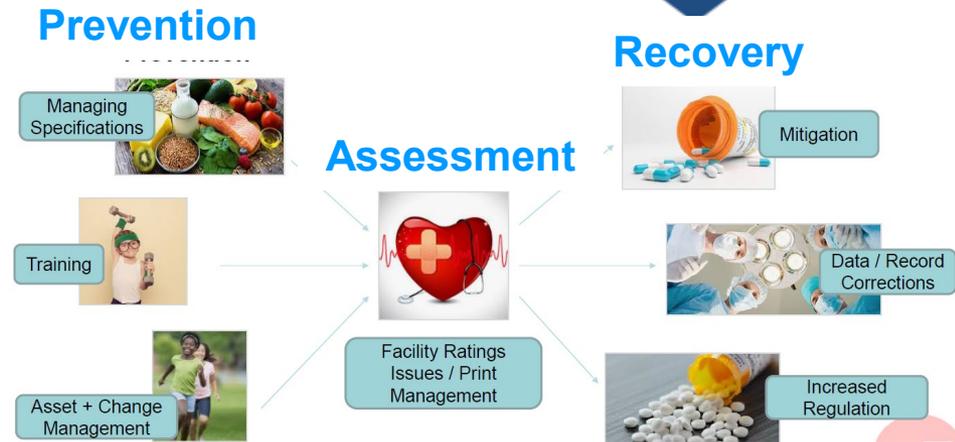
- Outreach and Education around Risk
  - ERO Enterprise CMEP Practice Guide (published Q2 2020)
  - Workshops
  - Newsletters
- Engage with industry
- Examine current Standard for potential adjustments

## • ASSESSMENT

- Current conditions
- Recent monitoring

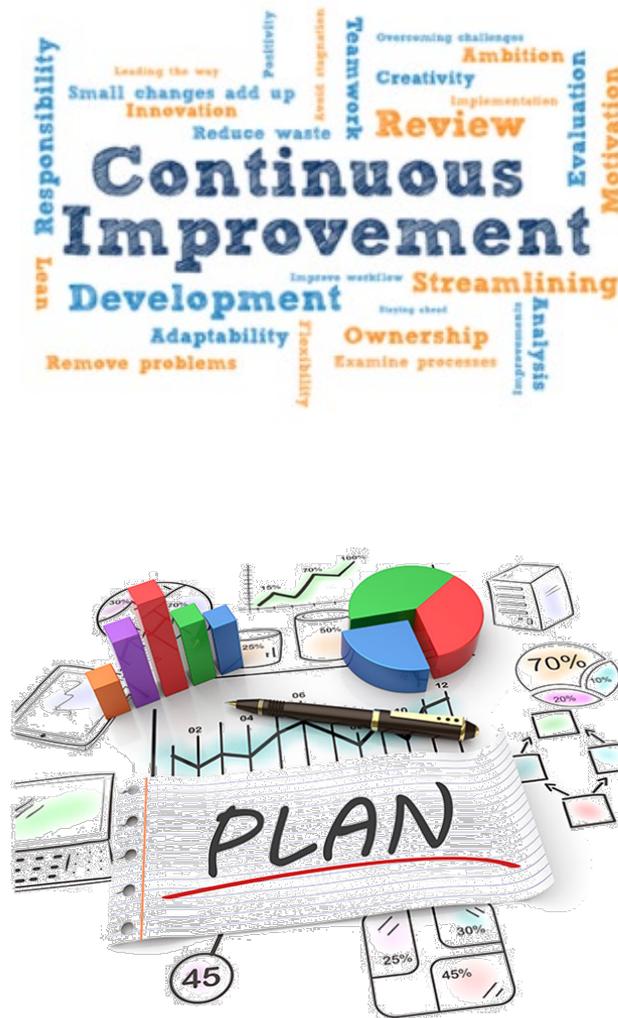
## • RECOVERY

- Sharing practices
- Enhanced mitigation activities





- Support development and sustainment of registered entity risk-based Facility Ratings programs and resolution of Facility Ratings noncompliance using existing tools
  - Key Themes / Fall-downs
  - Risk based approach
- Registered entities should develop or continue approaches for self-assessment and risk-based prioritization
  - Align compliance with operations
  - Report and mitigate

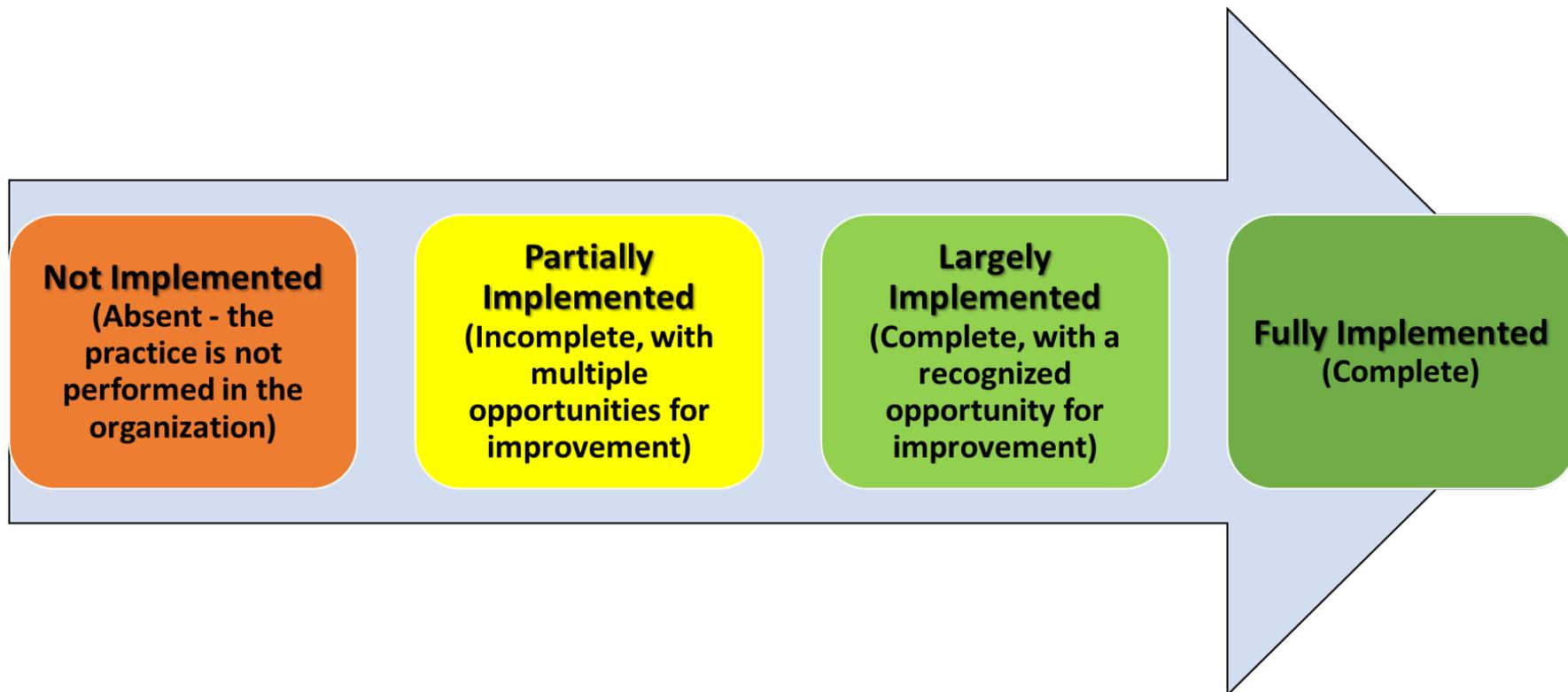


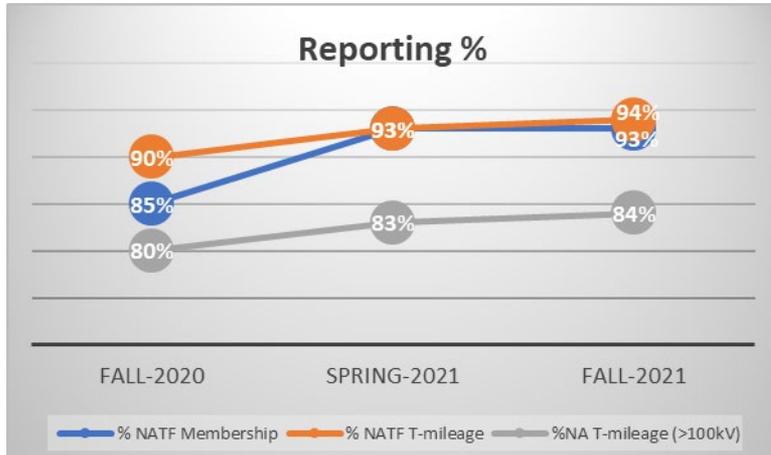
- Identify a facility ratings **sponsor and owner**
- Establish **clarity on the foundational components** of the facility ratings process or program
- **Manage data** to ensure accuracy
- Establish an **accurate baseline** to determine accuracy of facility ratings
- Establish **comprehensive work practices** for planned construction, acquired facilities, and unplanned or restoration work
- Validate through **periodic reviews**
- Implement **human performance measures**

**Internal Controls**  
– embedded  
throughout the  
practice areas

*Incorporation of  
these elements  
facilitates  
sustainability of the  
program/processes*

About 50  
practices overall,  
some with “sub-  
practices”





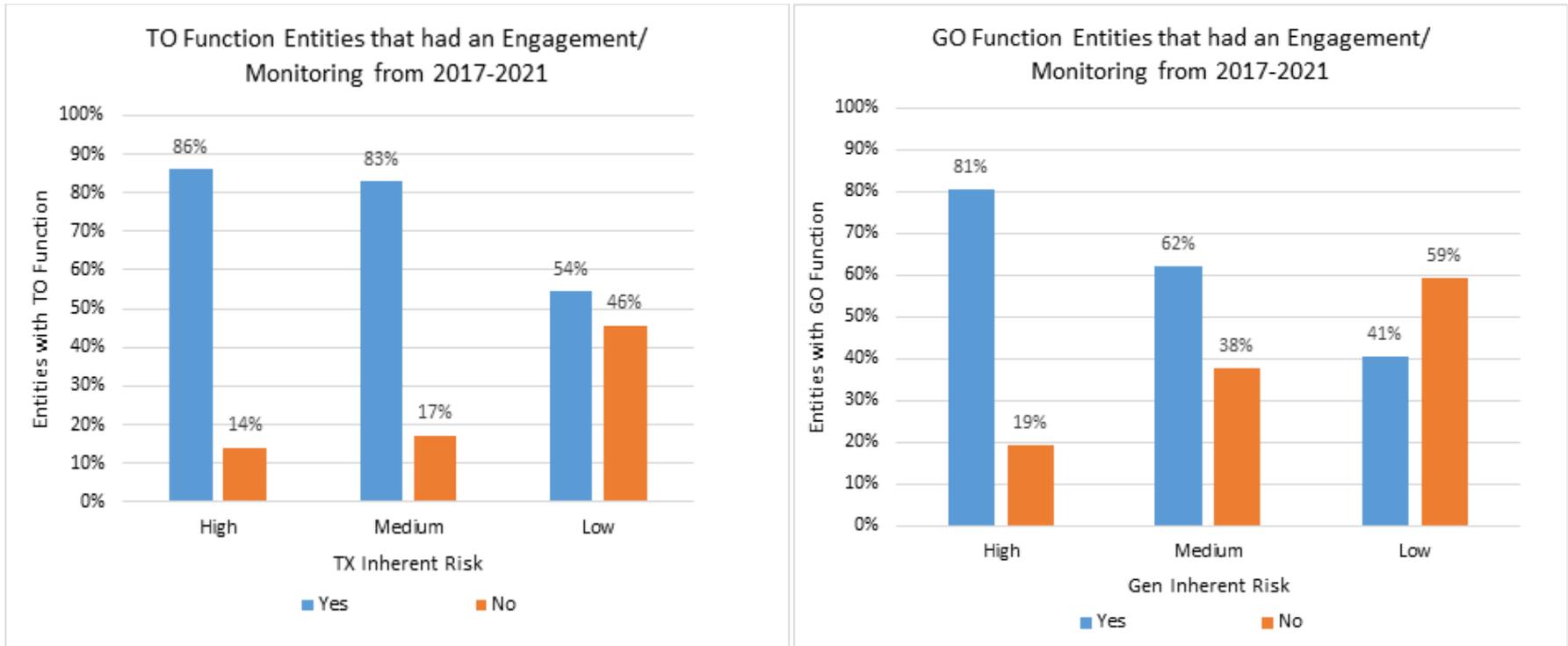
*High Participation with continued increase!*

*Upward trend across all practices!*

*Focus Areas*

Category	Current Score	Score Trend
Overall	72%	66% 68% 72%
Internal Controls	70%	64% 67% 70%
Sponsor and owner	80%	73% 76% 80%
Foundational program components	79%	72% 76% 79%
Data accuracy	76%	73% 75% 76%
Establish baseline	61%	55% 56% 61%
Establish work practices	70%	64% 66% 70%
Periodic reviews	54%	45% 46% 55%
Training/HP measures	68%	62% 64% 68%

## ERO Enterprise CMEP Facility Ratings Interactions by Inherent Risk 2017 – 2021



- Next steps
  - Continued use of risk-based approach
    - Monitoring activity for entities that have not had a CMEP activity related to Facility Ratings since 2017
    - Continued emphasis of FAC-008 in planned 2022 compliance monitoring activities (CMEP Implementation Plan)
    - Enforcement dispositions based on risk to BES
  - Continued outreach
  - Alignment of priority with stakeholders and regulators



# Questions and Answers

# NERC

NORTH AMERICAN ELECTRIC  
RELIABILITY CORPORATION

Agenda Item 3

# Compliance Guidance

Steven Noess, Director of Regulatory Programs  
Compliance Committee Open Session  
February 9, 2022

**RELIABILITY | RESILIENCE | SECURITY**



- Compliance Guidance Timeline
- Compliance Guidance Policy
- Implementation Guidance
- CMEP Practice Guides

- Historically Many Compliance Documents
  - Compliance Application Notices (CANs), Compliance Analysis Reports (CARs), Bulletins, Technical Rationale, etc.
- Distinct from Reliability Guidelines, etc.
- Desire to Consolidate
- Compliance Guidance Review Team
- 2015 NERC BOT Approved Compliance Guidance Policy
- Supporting Tools and Resources Developed



## Compliance Guidance Policy (CG)

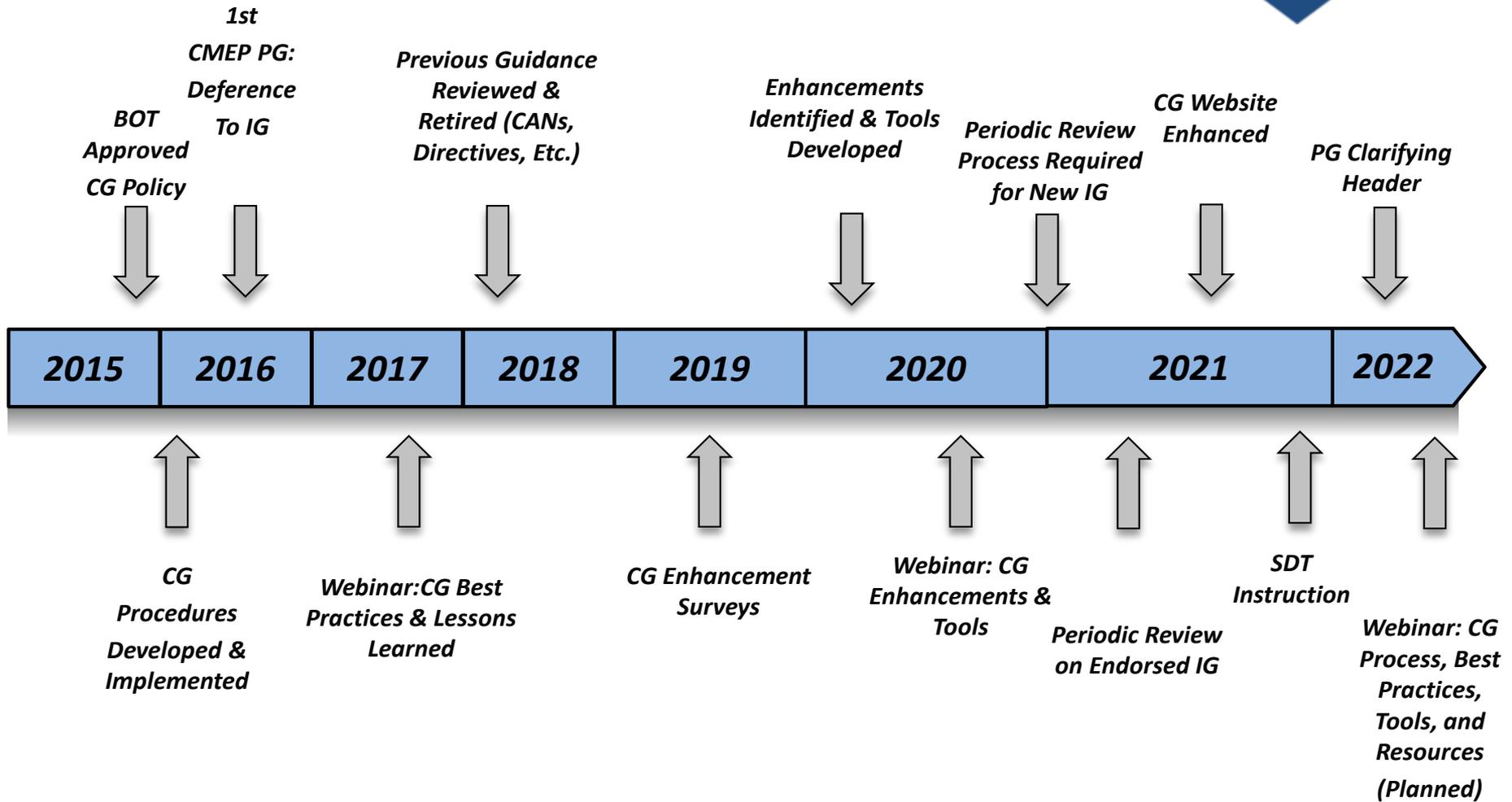


## CMEP Practice Guides (PG)



## Implementation Guidance (IG)





- Examples or Approaches
  - How to “Implement” Reliability Standards
- Reliability Standard or Topic Specific
- Developed by Industry for Industry
  - Pre-Qualified Organization (PQO)
  - Standard Drafting Team (SDT)
  - Regional Entity Stakeholder Committees



- Must be “endorsed” by ERO Enterprise
  - Recognizes guidance as appropriate for deference during CMEP activities
  - Agrees entities can rely on the guidance
  - Endorsement is appropriately a high bar
- ERO Independence and Objectivity remains critical
- Publicly posted
- Perceptions:
  - Endorsement is Difficult
  - Endorsement is Time Consuming
  - Storage for GTB/TR

- **Tools & Resources\***

- IG Development and Review Aid
- IG Template
- PQO/SDT Contact Information
- Non-Endorsed IG Tracking
- IG Under Consideration/Development Spreadsheet
- Compliance Guidance Webpage
- One Stop Shop

\*Covered During November 2020 CG Webinar

- Implementation Guidance Development Aid

**Color Code Key:**

Automatic Non-Endorsement

Increased Likelihood of Non-Endorsement

Multiple Occurrences/Severity of Occurrences could lead to Non-Endorsement

Implementation Guidance Development Aid		
	Items for Consideration	✓
1.	Ensure IG does not conflict with, or change, the Purpose or Applicability of the Reliability Standard.	
2.	Ensure IG does not conflict with, or change, the meaning or intent of the Requirement and Measure.	
3.	Ensure IG does not include language that attempts to describe an audit approach.	
4.	Ensure IG does not conflict with, or contradict, FERC or ERO Enterprise documents such as FERC Orders, FERC Interpretations, Reliability Standard Audit Worksheets (RSAW), Endorsed Implementation Guidance, Compliance Bulletins and Directives, Reliability Standard Implementation Plans, Reliability Standard Guidelines and Technical Basis, NERC Glossary of Terms, etc.	
5.	Ensure IG does not make the Reliability Standard and Requirement less restrictive.	
6.	Ensure IG does not lead the entity to believe there are additional compliance obligations that are not specifically required by the subject Reliability Standard and Requirement.	
7.	Ensure IG does not skip steps or stop short of complying, and addresses the entire Requirement in sufficient detail.	
8.	Ensure IG provides specific examples or approaches to compliance.	
9.	Ensure IG is not a whitepaper, position paper, concept paper, FAQ, or technical reference document.	
10.	Ensure the body of the IG document only includes specific examples or approaches to compliance and does not include supporting/reference information that should be housed in the Appendices. NOTE: Appendices could include templates, theory, calculations, models, tables, drawings, graphics, good practices, definitions, terminology, glossary, white papers, FERC orders, Guideline and Technical Basis, Technical Rationale, IG authors, etc.	
11.	Ensure IG is not region specific, such as guidance for a Regional Reliability Standard.	
12.	Ensure IG includes a plan for PQO/SDT periodic reviews and updates to ensure guidance remains current and valid. Reviews should include elements such as updates or revisions to items such as FERC Orders, FERC Interpretations, Reliability Standard	

- Frequently Asked Questions

The screenshot shows the top portion of a document titled "Compliance Guidance Frequently Asked Questions (FAQ)" dated "December 2020". The NERC logo is at the top left. The document is set against a background of a grid with perspective lines. The text includes a section header "Compliance Guidance - General" followed by several Q&A pairs. The questions cover topics such as why new guidance documents were added, what was wrong with previous documents, what happened to previous NERC guidance documents, the difference between Compliance Guidance, Implementation Guidance, and CMEP Practice Guides, and the difference between Compliance Guidance and Guideline and Technical Basis (GTB) and Technical Rationale (TR) in Reliability Standards. The document concludes with a footer: "RELIABILITY | RESILIENCE | SECURITY".

**NERC**  
NORTH AMERICAN ELECTRIC  
RELIABILITY CORPORATION

## Compliance Guidance Frequently Asked Questions (FAQ)

December 2020

### Compliance Guidance - General

**Q:** Why was another set of guidance documents added to the mix?  
**A:** The [NERC Compliance Guidance Policy](#) does not add another set of guidance documents to the mix; it simply consolidates and replaces the previous variety of guidance documents with one set of finite documents.

**Q:** What was wrong with the previous guidance documents?  
**A:** There was nothing wrong with the previous guidance documents. However, over time, the guidance evolved into various guidance documents, with multiple names, covering multiple topics; some providing implementation guidance for industry, and some providing compliance monitoring approaches for ERO Enterprise CMEP personnel. The previous process became too confusing and difficult to manage, creating an opportunity to consolidate them.

**Q:** What happened to previous NERC guidance documents such as CANs, CARs, Bulletins and Directives?  
**A:** The previous NERC guidance documents were reviewed and were either retired or converted to CMEP Practice Guides.

**Q:** What is the difference between Compliance Guidance, Implementation Guidance, and CMEP Practice Guides?  
**A:** Compliance Guidance consists of both Implementation Guidance and CMEP Practice Guides. Implementation Guidance provides examples or approaches on how an entity could potentially implement, or comply with, a Reliability Standard; it is developed by industry, for industry. CMEP Practice Guides address how ERO Enterprise CMEP personnel execute their compliance monitoring and enforcement activities; these are developed by the ERO Enterprise for the ERO Enterprise.

**Q:** What is the difference between Compliance Guidance and the *Guideline and Technical Basis (GTB)* and the *Technical Rationale (TR)* in the Reliability Standards?  
**A:** The GTB and TR sections of the Reliability Standards are similar to position papers that 1) may describe how a Standard Drafting Team (SDT) may have viewed a particular technical topic, 2) show what they considered while developing the standard, or 3) may simply be supporting documents. Compliance Guidance is directly related to complying with, or assessing compliance with, the [Reliability Standards](#). However, SDT have been working to remove GTB and TR from the standards and some of that information may end up in Compliance Guidance documents, and some may end up in a technical reference library.

RELIABILITY | RESILIENCE | SECURITY

- Tracking of [Non-Endorsed Implementation Guidance](#)
  - Provides reasons for non-endorsement (consistent with Development Aid reasons)

Non-Endorsed Implementation Guidance - Last Updated 1/5/2022			
Year	Implementation Guidance Title	Additional Information	Date Announced
2021	CIP-005-7 R3 Electronic Security Perimeters (2019-03 SDT)	Pending - Check Back Later	1/5/2022
	CIP-010-4 R1 Configuration Change Management and Vulnerability Assessments (2019-03 SDT)	Pending - Check Back Later	1/5/2022
	CIP-013-2 Supply Chain Risk Management Plans (2019-03 SDT)	Pending - Check Back Later	1/5/2022
	CIP-004-7 Personnel & Training (2019-02 SDT)	Pending - Check Back Later	1/5/2022
	EOP-011-2 Emergency Operations and Preparedness (2019-06 SDT)	The ERO Enterprise declined to endorse this Implementation Guidance because it does not provide specific examples, or approaches, on how an entity could meet compliance. Additionally, the proposed IG is less stringent than the standard and thus possibly misleading, or subject to misinterpretation.	1/5/2022
	CIP-004-6 and CIP-011-2 Cloud Solutions and Encrypting BCSI (RSTC)	The ERO Enterprise declined to endorse this proposed Implementation Guidance document because it does not address many of the concerns identified in the initial IG review in 2020. Specifically the guidance should be vendor agnostic, or a disclaimer should be included that states the elements prescribed in the guidance is relevant at the time it is written. It is understood that vendors change their practices and therefore this information in the guidance may become irrelevant later down the line. In the 'Evidence Example' the "notification for terminations" statement is problematic as it does not align with the language of the standard, which is "termination action". Under 'Terms' the "Shared Responsibility Model" needs to be struck, or further clarified, as it implies transference of compliance obligations. Some of the elements in the 'Evidence Example' would fail to demonstrate compliance over the course of time. Overall the guidance can be misleading and needs additional clarity.	8/12/2021
	CIP-007-6 R1 Software Defined Networking: Logical Network Accessible Ports (EnergySec)	The ERO Enterprise unanimously declined to endorse this proposed Implementation Guidance document because it does not provide specific approaches or examples for an entity to demonstrate compliance. Additionally, the proposed Implementation Guidance is written as a whitepaper or a position paper. The proposed document provides no specific compliance implementation guidance. The ERO Enterprise stresses the importance of the use of the Implementation Guidance Development Aid.	8/12/2021
	CIP-005-6 R2.4_R2.5 Vendor Support via Web Conferencing (NATF)	The ERO Enterprise declined to endorse this Implementation Guidance as the proposed NATF IG does not provide examples or approaches for registered entities to comply with CIP-005-6 Requirement R2. Instead, the proposed IG introduces positions and definitions (e.g. vendor remote access and control) which may be viewed as changing the meaning of the requirement or interpreting the requirement. Additionally, the proposed IG contains statements that may be viewed as limiting CMEP personnel's ability to obtain reasonable assurance of compliance. As an example, the proposed IG contains the following statement "there is no compliance evidence to retain for each such session". In summary, the proposed IG did not sufficiently address the Implementation Guidance Development and Review Aid.	4/28/2021
	CIP-013-2 Supply Chain Risk Management Plans (2019-03 SDT)	The ERO Enterprise declined to endorse this Implementation Guidance as several revisions are necessary for clarity purposes in order to avoid entity confusion.	3/24/2021
	CIP-010-4 R1 Configuration Change Management and Vulnerability Assessments (2019-03 SDT)	The ERO Enterprise declined to endorse this Implementation Guidance as several revisions are necessary for clarity purposes in order to avoid entity confusion.	3/24/2021
CIP-005-7 R3 Electronic Security Perimeters (2019-03 SDT):	The ERO Enterprise declined to endorse this Implementation Guidance as some of the examples provided were incomplete which could lead to entity misinterpretation of the examples. Additionally, there are several misleading statements regarding "staff augmentation". Finally, there are inconsistencies in the use of similar, but different, terminology which could lead to entity confusion.	3/24/2021	
PRC-019-2 Coordination of Voltage Control Systems, Protection Systems, and Equipment Capabilities (RSTC)	The ERO Enterprise unanimously declined to endorse this document for the reasons that follow. The IG conflicts with line 15 of the Implementation Guidance Development and Review Aid, which states IG shouldn't be a whitepaper or technical reference. The calculations should be more of an appendix. The example should be more what things are considered and how, calculations are not the thrust of that. Additionally, none of the examples speak to the plant control system for dispersed power producing resources. Finally, Table 3.1 mentions using the Unsaturated Transient Reactance when evaluating Loss of Field (40) settings for PRC-019-2 compliance, which is apparently an error which disagrees with the calculations in the appendix of IEEE Standard C37.102-2006, which is an Associated Document of PRC-019-2 which uses Saturated Transient Reactance.	12/8/2020	

- Does Not Include Examples or Approaches
- Changes Scope of Requirement
- Includes Incomplete/Misleading Examples
- Includes Interpretation/Position Statement
- Whitepaper, Technical Reference, etc., that does not meet criteria

- 19 active ERO Enterprise-Endorsed (10 CIP, 9 O&P)\*
  - NATF: 5
  - MRO Standards Committee (MRO SC): 4
  - Operating Committee (OC): 3
  - Planning Committee (PC): 2
  - Critical Infrastructure Protection Committee (CIPC): 2
  - CIP Standard Drafting Teams (SDTs): 2
  - MRO CMEP Advisory Council (MRO CMEPAC): 1

\*As of January 25, 2022

- Industry Webinar
  - Address Current Issues
  - Focus on IG Development
  - Discuss Best Practice
  - Encourage Use of Available Tools and Resources
- Coordinate alternatives with SDTs for non-IG material
- Work with Pre-qualified organizations that seek interim collaboration

- Guidance for ERO Enterprise staff
- Serves ERO Enterprise interest to support consistency of approach
- Developed by ERO Enterprise for ERO Enterprise
- Publicly posted solely for transparency
- ERO Enterprise development practices:
  - Track as part of “Program Alignment Process”
  - Seek Compliance and Certification Committee (CCC) input to confirm intent/perspective

**NERC**  
NORTH AMERICAN ELECTRIC  
RELIABILITY CORPORATION

This is a Compliance Monitoring and Enforcement Program (CMEP) Practice Guide. It is developed exclusively by the ERO Enterprise under its obligations for independence and objectivity. This CMEP Practice Guide is intended for use by ERO Enterprise staff to support consistency as they perform CMEP activities. This CMEP Practice Guide is posted publicly solely to provide transparency.

**ERO Enterprise CMEP Practice Guide:**  
**Deference for Implementation Guidance**  
**March 25, 2016**

**Background**  
In support of successful implementation of and compliance with the NERC Reliability Standards, the Electric Reliability Organization (ERO) Enterprise<sup>1</sup> adopted the Compliance Guidance Policy.<sup>2</sup> The Compliance Guidance Policy outlines the purpose, development, use, and maintenance of guidance for implementing NERC Reliability Standards. According to the Compliance Guidance Policy, Compliance Guidance includes two types of guidance – Implementation Guidance and Compliance Monitoring and Enforcement Program (CMEP) Practice Guides.<sup>3</sup>

**Purpose**  
The purpose of this CMEP Practice Guide is to address how ERO Enterprise CMEP staff will provide deference to ERO Enterprise endorsed Implementation Guidance. ERO Enterprise CMEP staff will follow the guidance outlined below when a registered entity follows endorsed Implementation Guidance in order to be compliant with a NERC Reliability Standard.

**Considerations for Providing Deference to Implementation Guidance**  
During compliance monitoring and enforcement activities, where a registered entity is following ERO Enterprise endorsed Implementation Guidance, CMEP staff will consider such guidance as a possible method to achieve compliance. Compliance determinations will be made on the basis of the specific facts and circumstances of each case and the specific language of the NERC Reliability Standard and Requirement.

CMEP staff will consider the following in making determinations around compliance with a NERC Reliability Standard or Requirement:

- The example or approach in the Implementation Guidance is appropriate for the registered entity based on entity-specific information (e.g., facts, circumstances, system configurations, etc.).
- The registered entity followed the example approach provided in the Implementation Guidance and can provide sufficient and appropriate evidence to CMEP staff demonstrating how the registered entity followed the Implementation Guidance.
- If CMEP staff determines the registered entity was found in non-compliance with a NERC Reliability Standard or Requirement, but in good faith, relied on Implementation Guidance, CMEP

<sup>1</sup> The ERO Enterprise consists of NERC and the eight Regional Entities.  
<sup>2</sup> The ERO Enterprise Compliance Guidance Policy is located on the NERC website at: [https://www.nerc.com/jaa/comp/Resourcess/ResourceDocs/Compliance\\_Guidance\\_Policy\\_Final\\_Board\\_Accepted\\_Nov\\_5\\_2015.pdf](https://www.nerc.com/jaa/comp/Resourcess/ResourceDocs/Compliance_Guidance_Policy_Final_Board_Accepted_Nov_5_2015.pdf)  
<sup>3</sup> Implementation Guidance provides a means for registered entities to develop examples or approaches to illustrate how registered entities could comply with a standard that are vetted by industry and endorsed by the ERO Enterprise. CMEP Practice Guides differ from Implementation Guidance in that they address how ERO Enterprise CMEP staff executes compliance monitoring and enforcement activities, rather than examples of how to implement the standard.

RELIABILITY | ACCOUNTABILITY

- PGs are not compliance approaches
- PGs do not change or supersede any standard
- Developed to support ERO Enterprise Independence and Objectivity
- CMEP activities broader than “compliance”
  - Understanding how entities mitigate risk
  - Performance and internal controls
  - Inform oversight planning and risk assessment

**NERC**  
NORTH AMERICAN ELECTRIC  
RELIABILITY CORPORATION

This is a Compliance Monitoring and Enforcement Program (CMEP) Practice Guide. It is developed exclusively by the ERO Enterprise under its obligations for independence and objectivity. This CMEP Practice Guide is intended for use by ERO Enterprise staff to support consistency as they perform CMEP activities. This CMEP Practice Guide is posted publicly solely to provide transparency.

**ERO Enterprise CMEP Practice Guide:**  
**Deference for Implementation Guidance**  
**March 25, 2016**

**Background**  
In support of successful implementation of and compliance with the NERC Reliability Standards, the Electric Reliability Organization (ERO) Enterprise<sup>1</sup> adopted the Compliance Guidance Policy.<sup>2</sup> The Compliance Guidance Policy outlines the purpose, development, use, and maintenance of guidance for implementing NERC Reliability Standards. According to the Compliance Guidance Policy, Compliance Guidance includes two types of guidance – Implementation Guidance and Compliance Monitoring and Enforcement Program (CMEP) Practice Guides.<sup>3</sup>

**Purpose**  
The purpose of this CMEP Practice Guide is to address how ERO Enterprise CMEP staff will provide deference to ERO Enterprise endorsed Implementation Guidance. ERO Enterprise CMEP staff will follow the guidance outlined below when a registered entity follows endorsed Implementation Guidance in order to be compliant with a NERC Reliability Standard.

**Considerations for Providing Deference to Implementation Guidance**  
During compliance monitoring and enforcement activities, where a registered entity is following ERO Enterprise endorsed Implementation Guidance, CMEP staff will consider such guidance as a possible method to achieve compliance. Compliance determinations will be made on the basis of the specific facts and circumstances of each case and the specific language of the NERC Reliability Standard and Requirement.

CMEP staff will consider the following in making determinations around compliance with a NERC Reliability Standard or Requirement:

- The example or approach in the Implementation Guidance is appropriate for the registered entity based on entity-specific information (e.g., facts, circumstances, system configurations, etc.).
- The registered entity followed the example approach provided in the Implementation Guidance and can provide sufficient and appropriate evidence to CMEP staff demonstrating how the registered entity followed the Implementation Guidance.
- If CMEP staff determines the registered entity was found in non-compliance with a NERC Reliability Standard or Requirement, but in good faith, relied on Implementation Guidance, CMEP

<sup>1</sup> The ERO Enterprise consists of NERC and the eight Regional Entities.  
<sup>2</sup> The ERO Enterprise Compliance Guidance Policy is located on the NERC website at: [http://www.nerc.com/jaa/Compliance/ResourceDocs/Compliance\\_Guidance\\_Policy\\_Final\\_Board\\_Accepted\\_Nov\\_5\\_2015.pdf](http://www.nerc.com/jaa/Compliance/ResourceDocs/Compliance_Guidance_Policy_Final_Board_Accepted_Nov_5_2015.pdf)  
<sup>3</sup> Implementation Guidance provides a means for registered entities to develop examples or approaches to illustrate how registered entities could comply with a standard that are vetted by industry and endorsed by the ERO Enterprise. CMEP Practice Guides differ from Implementation Guidance in that they address how ERO Enterprise CMEP staff executes compliance monitoring and enforcement activities, rather than examples of how to implement the standard.

**RELIABILITY | ACCOUNTABILITY**

- Perceptions:
  - Entities appreciate public posting
  - Viewpoints on industry input vs. ERO Enterprise product
  - Significance to entities and impact to standards obligations
  - Audit approaches or auditors “shall follow”
- Disclaimer added:
  - Intended for ERO Enterprise staff
  - Developed exclusively by ERO Enterprise under obligations for independence and objectivity
  - Posted publicly solely for transparency



# Questions and Answers

# NERC

NORTH AMERICAN ELECTRIC  
RELIABILITY CORPORATION

Agenda Item 4

# Compliance Monitoring and Enforcement Program Annual Report

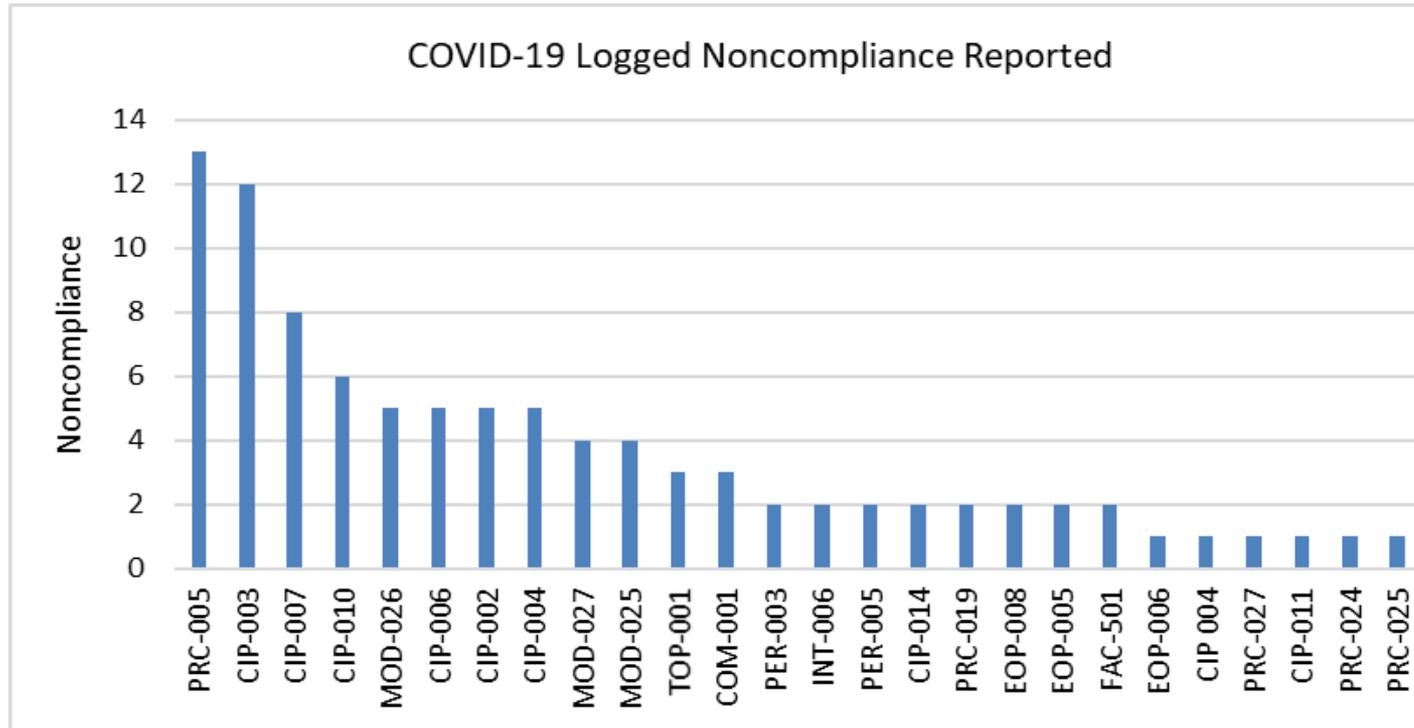
James McGrane, Senior Counsel  
Compliance Committee Meeting  
February 9, 2022

**RELIABILITY | RESILIENCE | SECURITY**



- Roll out of Align and Secure Evidence Locker
- Continued focus on reliability and security despite coronavirus challenges
- Continued streamlining and enhancement efforts
  - Proposed changes to CMEP in September 2021 filing impacting:
    - Compliance monitoring
    - Resolution of minimal risk noncompliance
- Ongoing outreach to industry
  - Self-Logging
  - Compliance Oversight Plans
  - Facility Ratings
  - Proposed changes to Rules of Procedure

# Temporary Expansion of Self-Logging

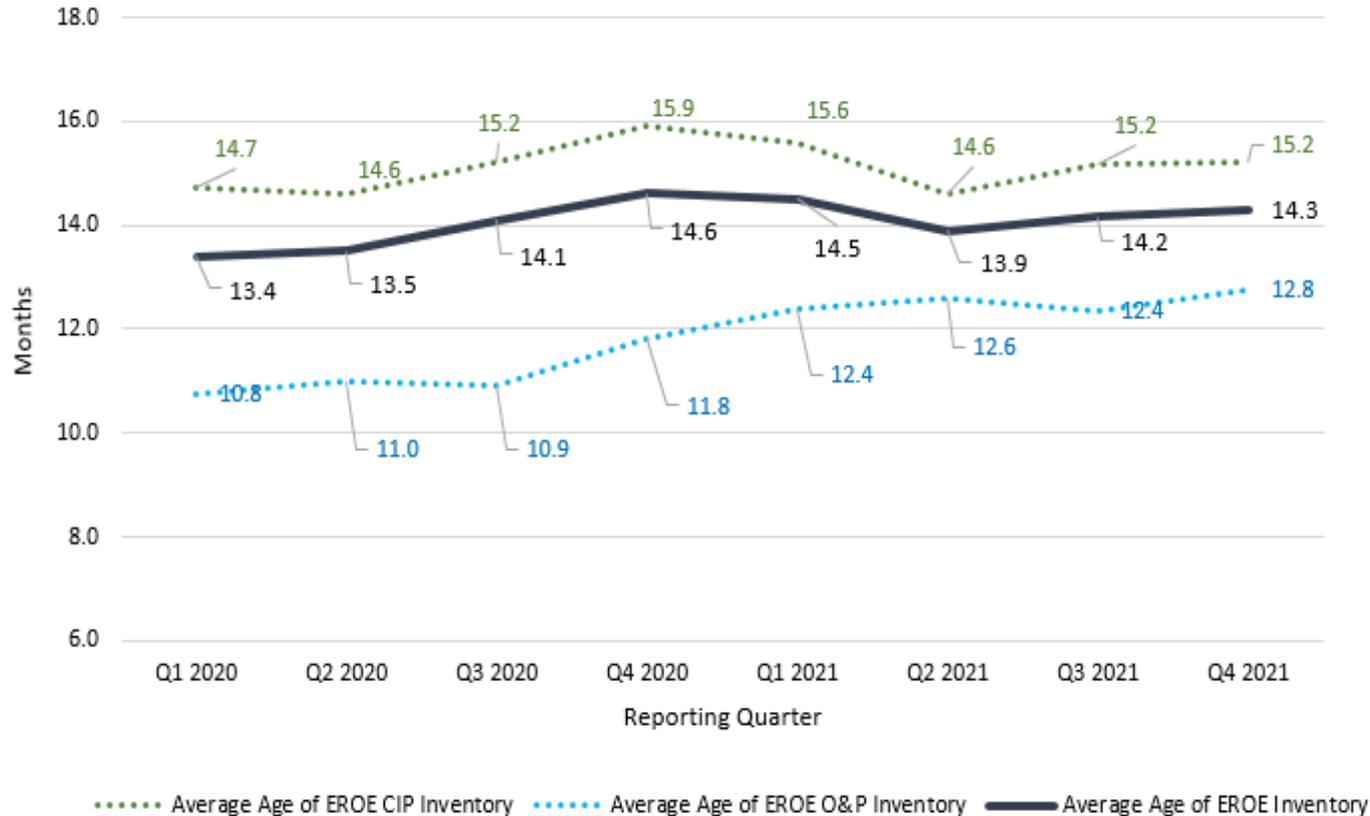


**95 self-logged issues reported through December 31, 2021**

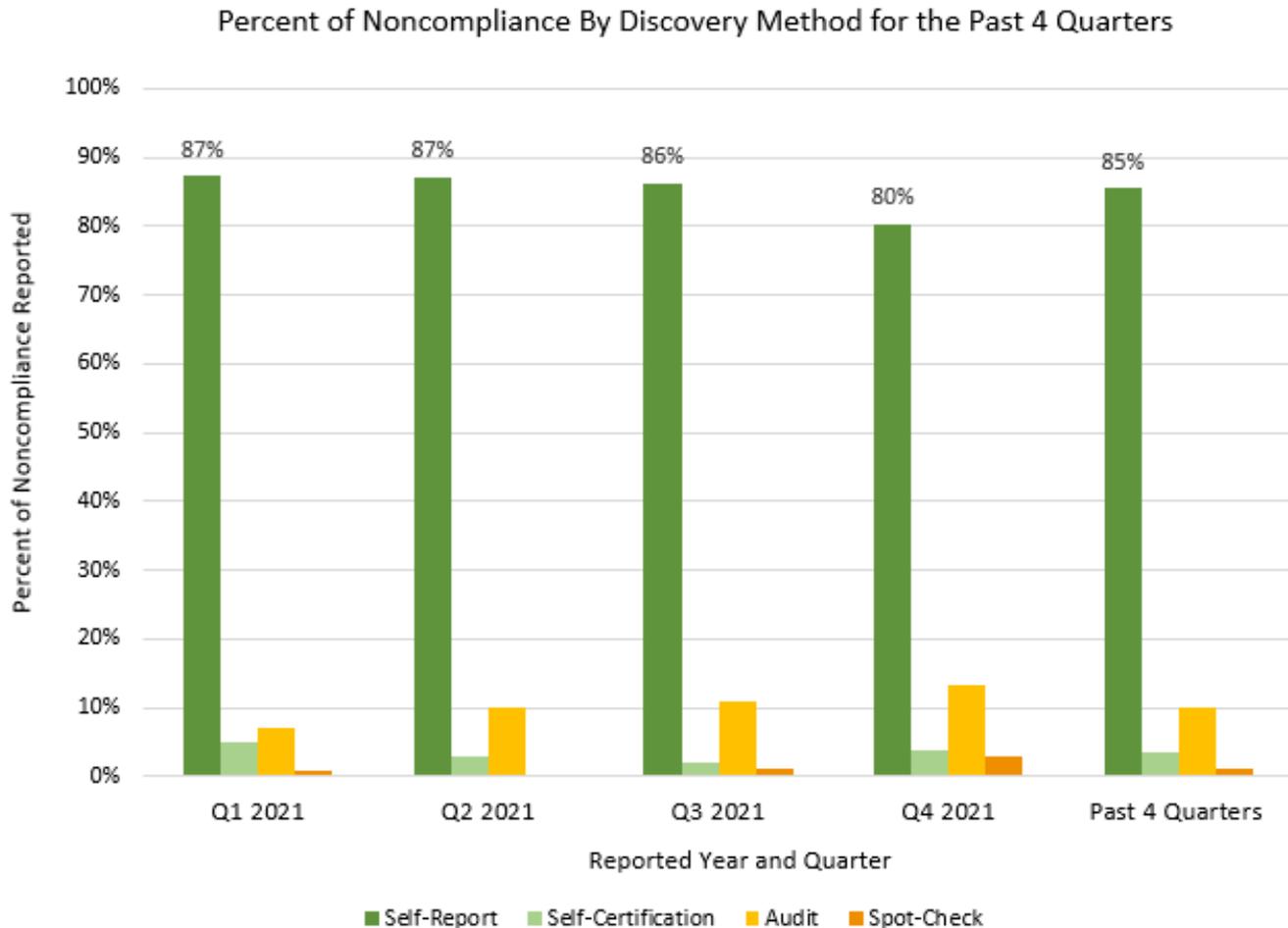
- Supply Chain Risk Management
  - Stakeholder collaboration and outreach
    - CCC Supply Chain Task Force
    - FERC-NERC joint white paper on [SolarWinds and Related Supply Chain Compromise](#)
- Heightened focus on sharing best practices and guidance
  - Noncompliance reduction strategies
  - NIST-NERC collaboration and Standards mapping
  - Guidance to support Dept. of Energy 100 Day Cybersecurity Plan
  - Small Group Advisory Sessions (SGAS)
    - CIP-012 Cyber Security – Communications between Control Centers

- Remote Connectivity
  - Maintenance and Vendor support
  - IT / OT communications and dependency
- Supply Chain
  - Foreign vendor component risk
  - Large impact
- Gaps in Program Execution
  - Incident Response identification and reporting
- Long Term Strategies
  - Continued focus on high risk areas (Connectivity, Supply Chain, Incident Response)
  - Outreach / Guidance around 2022 Focus Area findings and SGAS

Average Age of CIP and O&P Noncompliance in the ERO Enterprise Inventory by Quarter

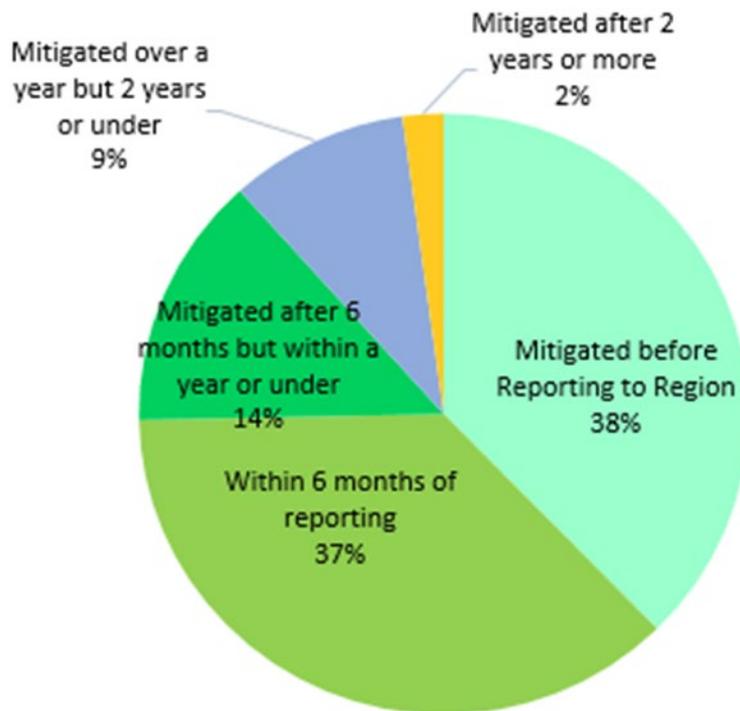


**ERO Enterprise is taking steps to reduce average age of inventory**



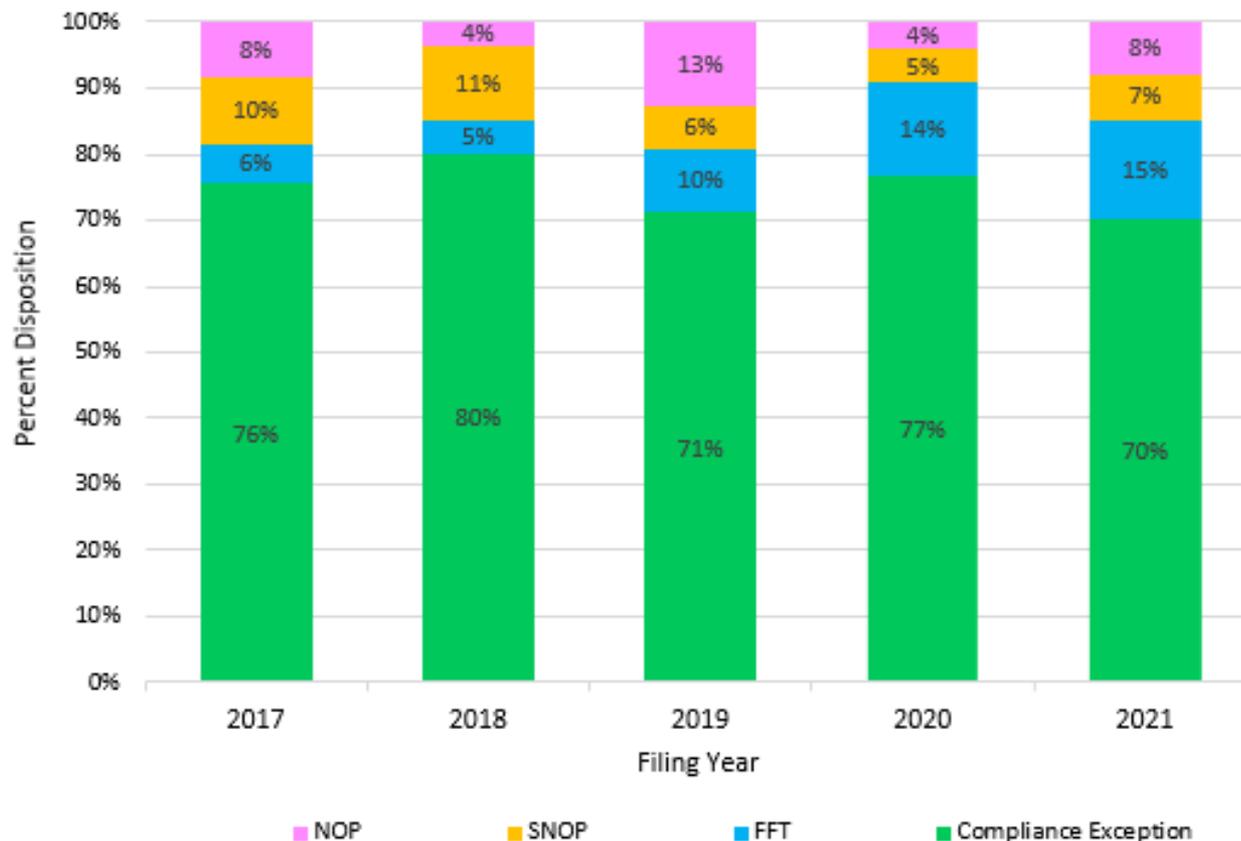
**Self-Reporting remains high, helping speed mitigation and reduce risk**

Time Frames for Completed Mitigations in the Past 5 years



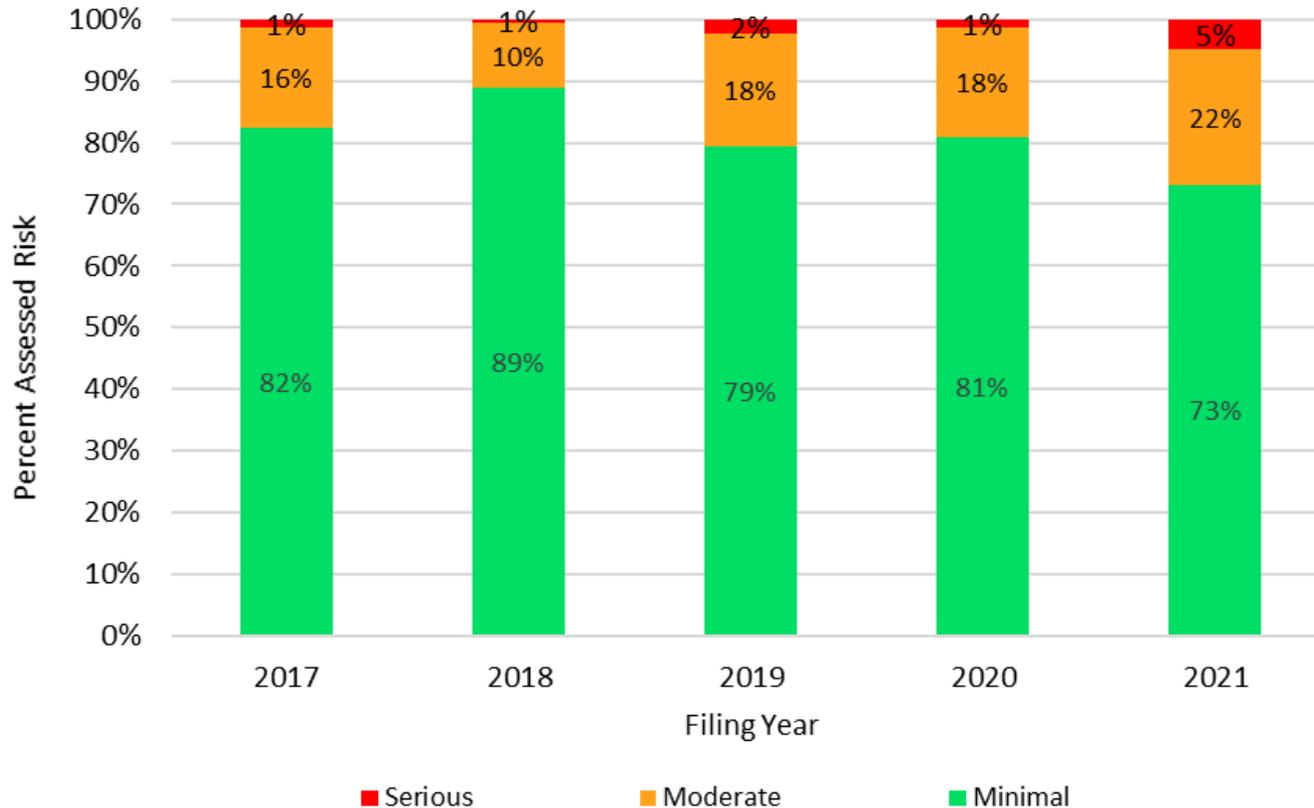
**Majority of noncompliance is mitigated within one year of reporting**

Disposition Breakdown for Filings from 2017 to 2021

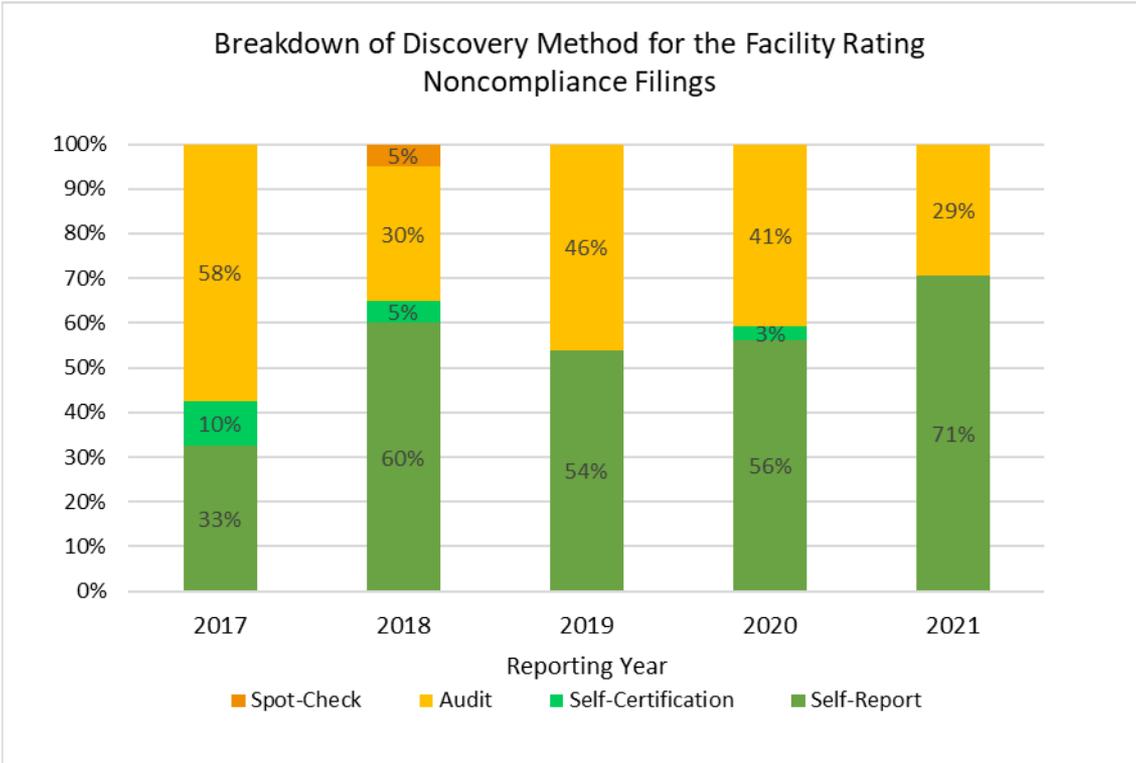


**The majority of noncompliance continues to be processed as Compliance Exceptions**

Percent Assessed Risk by Filing Year



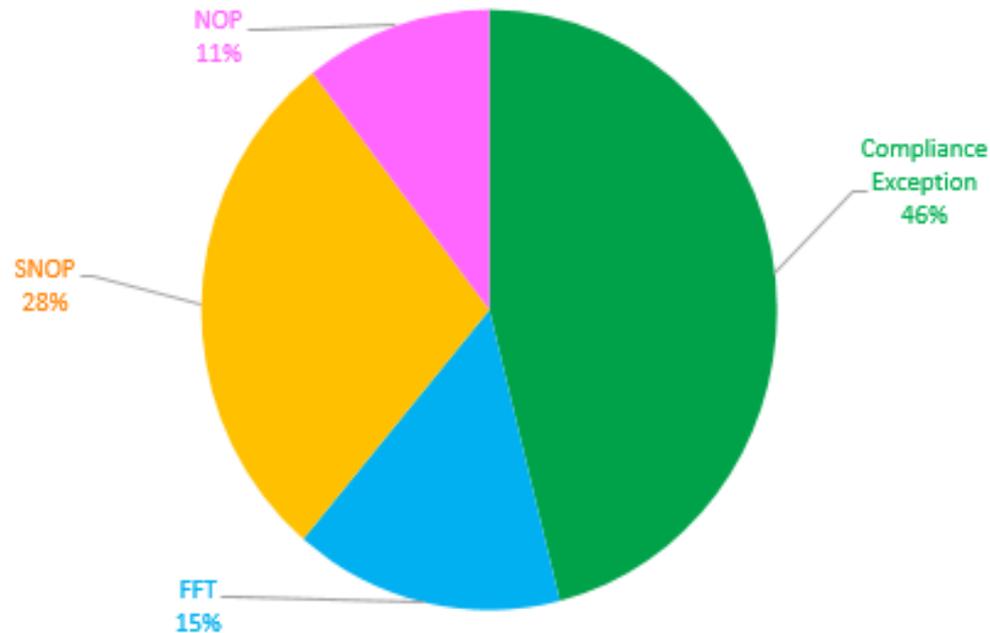
**Increase in serious risk noncompliance processed in 2021, but majority had been mitigated prior to filing**



	2017	2018	2019	2020	2021	Total
<b>Self-Report</b>	13	12	14	18	24	81
<b>Self-Certification</b>	4	1	0	1	0	6
<b>Audit</b>	23	6	12	13	10	64
<b>Spot-Check</b>	0	1	0	0	0	1
<b>Total</b>	40	20	26	32	34	152

**Increase in Facility Rating Self-Reports over last few years**

Facility Rating Disposition Breakdown in the Past 5 Years



**ERO Enterprise uses a risk-based approach in resolving Facility Rating noncompliance**

- Streamlining efforts
  - Efficient risk assessment and resolution for all noncompliance
  - Sharing approaches across Regions to identify processing efficiencies
- Ongoing engagement with registered entities
  - Understanding extent of violations and assisting the design of robust controls to prevent recurrence
- Sharing lessons learned and mitigation best practices
  - Effective solutions to the most common causes of violations
  - Outreach on new Reliability Standards and preventive controls



# Questions and Answers