

Supply Chain Compliance

Joint ERO and CCC Webinar

Ellen Watkins, NERC Compliance Director, Sunflower Electric

August 27, 2021











NERC Antitrust Compliance Guidelines and Public Announcement Placeholder

It is NERC's policy and practice to obey the antitrust laws and to avoid all conduct that unreasonably restrains competition. This policy requires the avoidance of any conduct that violates, or that might appear to violate, the antitrust laws. Among other things, the antitrust laws forbid any agreement between or among competitors regarding prices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that unreasonably restrains competition. It is the responsibility of every NERC participant and employee who may in any way affect NERC's compliance with the antitrust laws to carry out this commitment.



Questions and Polling via Slido

- Slido will be used for questions and/or polling
- Vote questions up or down so the most voted on questions could be at the top
- Or, use your camera function on your mobile device and follow this QR Code:





SCTF Roster and Contributors

- Ellen Watkins (SCTF Chair & CCC Member), Sunflower Electric Power Corporation
- Jennifer Flandermeyer (CCC Chair), Evergy
- Scott Tomashefsky (CCC Vice Chair), Northern California Power Agency
- Justin MacDonald, Midwest Energy
- Leigh Mulholland, Capital Power
- Martha Henson, Oncor
- Jody Green, ACES Power
- Rene Free, South Carolina Public Service Authority
- Erin Cullum, SPP
- Lonnie Ratliff, NERC
- Brian Allen, NERC
- Tiffany Whaley, NERC
- Kenath Carver, Texas Reliability Entity, Inc.
- Shon Austin, ReliabilityFirst



Supply Chain Compliance

Opening Comments

Lonnie J Ratliff, Senior Manager Cyber and Physical Security Assurance, NERC











- ERO Q&A
 - Contracts
 - Relationships to other compliance activities
 - Risk Management
 - Vendor Evaluations/ Audit Provisions or Clauses
 - Supply Chain Risk Management Software
 - Utilizing Risk Framework
- FAQ Dynamic Table and Supply Chain Resources on NERC website
- Closing Comments





- 1. Attendee representing registered entity, ERO Enterprise staff, other?
- 2. For registered entities only: Are you utilizing a third-party service to assist with identification and assessment of vendor cyber security risks?





EROQ&A

Moderator:

Leigh Mulholland - Chief Compliance Officer, Capital Power

Panelists:

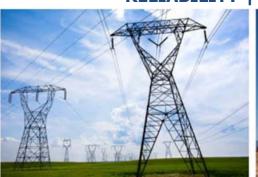
Brian Allen – CIP Assurance Advisor, NERC

Kenath Carver – Manager, CIP Compliance Monitoring, Texas Reliability Entity, Inc.

Shon Austin – Principal Technical Auditor, ReliabilityFirst













Questions and Answers







- 1. Although renegotiating or abrogating of existing contracts (including amendments to master agreements and purchase orders) is not required; have you or will you renegotiate or abrogate contracts to include required supply chain controls?
- 2. Do you believe there is confusion with the definition of the term vendor?





Supply Chain FAQ Table

Brian Allen, CIP Assurance Advisor, NERC

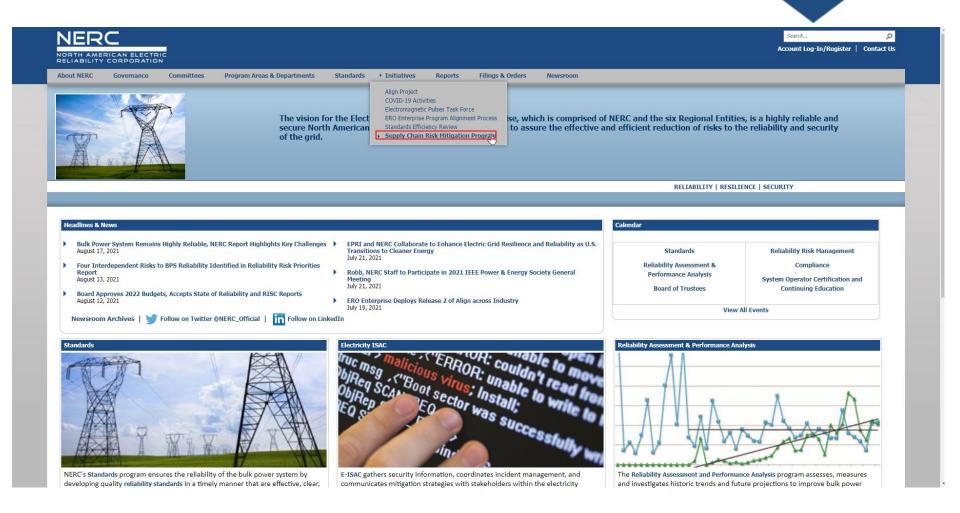


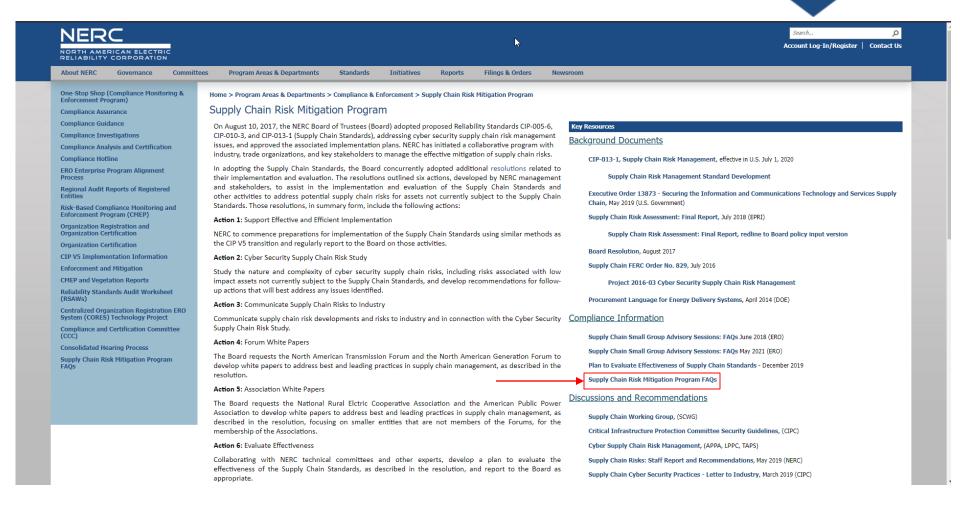




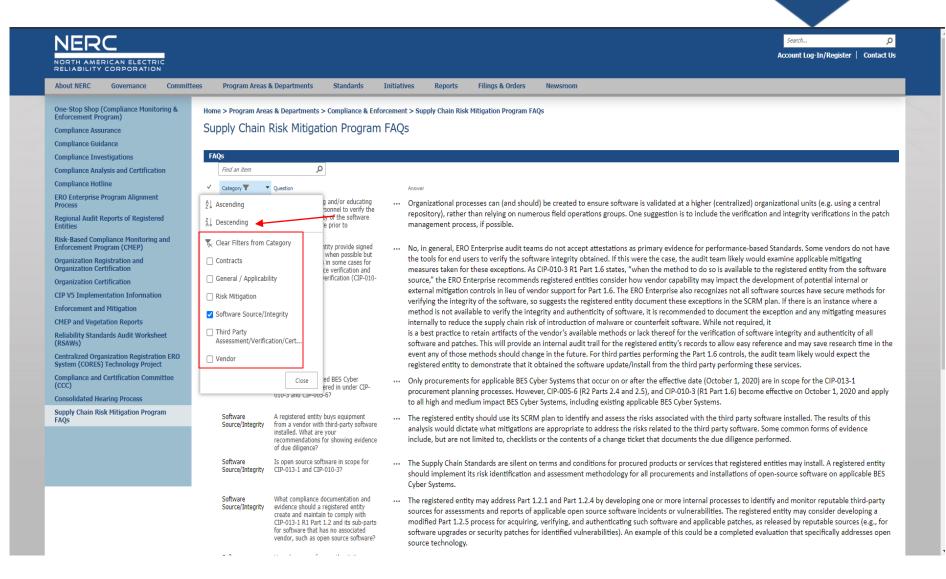




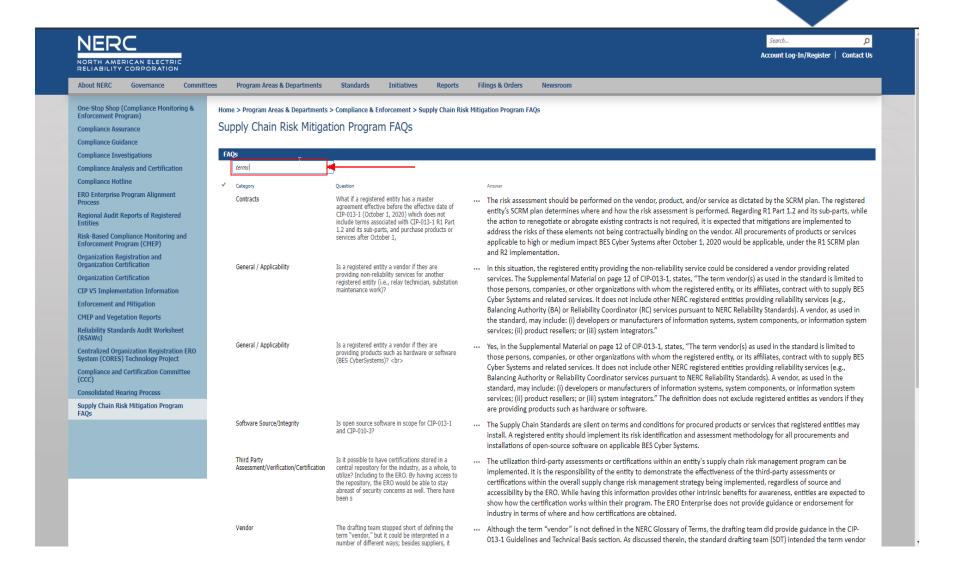














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About NERC

Compliance Guidance

Compliance Investigations

Compliance Analysis and Certification

Compliance Hotline

ERO Enterprise Program Alignment

Regional Audit Reports of Registered

Risk-Based Compliance Monitoring and Enforcement Program (CMEP)

Organization Registration and Organization Certification

Organization Certification

CIP V5 Implementation Information

Enforcement and Mitigation

CMEP and Vegetation Reports

Reliability Standards Audit Worksheet (RSAWs)

Centralized Organization Registration ERO System (CORES) Technology Project

Compliance and Certification Committee

Consolidated Hearing Process

Supply Chain Risk Mitigation Program

Home > Program Areas & Departments > Compliance & Enforcement > Supply Chain Risk Mitigation Program

Standards

Supply Chain Risk Mitigation Program

Program Areas & Departments

On August 10, 2017, the NERC Board of Trustees (Board) adopted proposed Reliability Standards CIP-005-6, CIP-010-3, and CIP-013-1 (Supply Chain Standards), addressing cyber security supply chain risk management issues, and approved the associated implementation plans. NERC has initiated a collaborative program with industry, trade organizations, and key stakeholders to manage the effective mitigation of supply chain risks.

Initiatives

Reports

In adopting the Supply Chain Standards, the Board concurrently adopted additional resolutions related to their implementation and evaluation. The resolutions outlined six actions, developed by NERC management and stakeholders, to assist in the implementation and evaluation of the Supply Chain Standards and other activities to address potential supply chain risks for assets not currently subject to the Supply Chain Standards. Those resolutions, in summary form, include the following actions:

Action 1: Support Effective and Efficient Implementation

NERC to commence preparations for implementation of the Supply Chain Standards using similar methods as the CIP V5 transition and regularly report to the Board on those activities.

Action 2: Cyber Security Supply Chain Risk Study

Study the nature and complexity of cyber security supply chain risks, including risks associated with low impact assets not currently subject to the Supply Chain Standards, and develop recommendations for followup actions that will best address any issues identified.

Action 3: Communicate Supply Chain Risks to Industry

Communicate supply chain risk developments and risks to industry and in connection with the Cyber Security Compliance Information Supply Chain Risk Study.

Action 4: Forum White Papers

The Board requests the North American Transmission Forum and the North American Generation Forum to develop white papers to address best and leading practices in supply chain management, as described in the resolution.

Action 5: Association White Papers

The Board requests the National Rural Elctric Cooperative Association and the American Public Power Association to develop white papers to address best and leading practices in supply chain management, as described in the resolution, focusing on smaller entities that are not members of the Forums, for the membership of the Associations.

Action 6: Evaluate Effectiveness

Collaborating with NERC technical committees and other experts, develop a plan to evaluate the effectiveness of the Supply Chain Standards, as described in the resolution, and report to the Board as appropriate.

Key Resources

Newsroom

Background Documents

CIP-013-1, Supply Chain Risk Management, effective in U.S. July 1, 2020

Supply Chain Risk Management Standard Development

Executive Order 13873 - Securing the Information and Communications Technology and Services Supply Chain, May 2019 (U.S. Government)

Supply Chain Risk Assessment: Final Report, July 2018 (EPRI)

Supply Chain Risk Assessment: Final Report, redline to Board policy input version

Board Resolution, August 2017

Supply Chain FERC Order No. 829, July 2016

Project 2016-03 Cyber Security Supply Chain Risk Management

Procurement Language for Energy Delivery Systems, April 2014 (DOE)

Supply Chain Small Group Advisory Sessions: FAQs June 2018 (ERO)

Supply Chain Small Group Advisory Sessions: FAQs May 2021 (ERO)

Plan to Evaluate Effectiveness of Supply Chain Standards - December 2019

Supply Chain Risk Mitigation Program FAQs

Discussions and Recommendations

Supply Chain Working Group, (SCWG)

Critical Infrastructure Protection Committee Security Guidelines, (CIPC)

Cyber Supply Chain Risk Management, (APPA, LPPC, TAPS)

Supply Chain Risks: Staff Report and Recommendations, May 2019 (NERC)

Supply Chain Cyber Security Practices - Letter to Industry, March 2019 (CIPC)





Questions and Answers





Supply Chain Compliance

Closing Comments

Jennifer Flandermeyer Director, Federal Regulatory Affairs, Evergy













- CCC SCTF continued work through 2021 on outstanding Supply Chain Q&A
 - Created an inbox to capture questions
 - Processed collaboratively with ERO Enterprise and CCC SCTF members
 - Can submit anonymously through CCC Members
- Regional Entities as key Point of Contact for questions
- FAQs
- Other resources NERC SCWG, Guidelines, Webinars, NATF Industry Organizations, EEI Contract language, Newsletters, and Small Group Advisory Sessions

(Note: not exhaustive list)





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Questions and Answers





Appendices



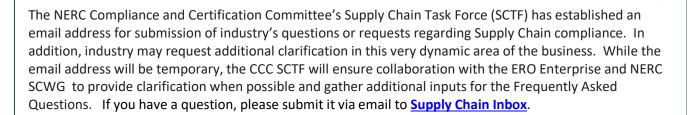
Supply Chain Announcement

NERC

Industry Announcement

Supply Chain Inbox

Click here for: Supply Chain Inbox



For more information or assistance, please contact Tiffany Whaley (via email) or at 404-290-2388.

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Jennifer Flandermeyer
Director, Federal Affairs, Evergy

As Director, Federal Affairs, Ms. Flandermeyer is focused on federal regulatory activities related to reliability, resilience and security. While the regulatory actions are primarily with FERC and NERC, because the advocacy role is dedicated to reliability, security and resilience, the role continues to broaden as Evergy engages other departments and agencies of the federal government tasked with critical infrastructure protection.

In 1999, she joined Evergy bringing with her several years of finance and accounting experience coupled with knowledge of the energy industry. Since joining the company, she has held positions in Internal Audit and Strategic Business Planning and Financial Operations in Delivery (T&D) Operations. In 2009, she accepted the opportunity to lead the company's FERC and NERC compliance team responsible for the company-wide regulatory compliance function establishing a new program for the company. The program was eventually expanded to include additional regulatory bodies and functions. In 2015, she was promoted to her current role to focus on strategy and policy advocacy for federal affairs.

Ms. Flandermeyer holds a Bachelor of Science degree in Accountancy from William Jewell College, a master's degree in Business Administration from Rockhurst University and certifications in Risk Management as well as Compliance and Ethics. Ms. Flandermeyer serves as a Director for the Midwest Reliability Organization. She serves in several roles on NERC Committees, including the Chair of the NERC Compliance and Certification Committee and one of the two members of the NERC Member Representatives Committee representing Investor-Owned Utilities. Ms. Flandermeyer is active in the industry serving in leadership roles for several organizations including Southwest Power Pool's Reliability Compliance Advisory Group and the North American Transmission Forum Risk, Controls and Compliance Practices Group. Ms. Flandermeyer previously served as the President for Rose Brooks Center's Board of Directors, an organization dedicated to breaking the cycle of domestic violence, in addition to many other community activities.



Leigh Mulholland
Chief Compliance Officer, Capital Power

Leigh Mulholland joined Capital Power in 2007 and was appointed Chief Compliance Officer in September 2015, where she oversees and manages the compliance function within Capital Power, including developing the annual compliance program and maintaining current knowledge of regulations and laws applicable to the electricity sector in the jurisdictions we operate. Prior to her current position, Leigh was Vice President, Corporate Strategy & Planning and was responsible for Capital Power's Corporate Long-Term Plan, the Annual Business Planning process, the Alberta Coal Commercial Services & Real-Time Operations (Settlements) Teams as well as some Business Development activity. Leigh also served as Senior Manager, Valuations, where she was responsible for leading the financial analytics on acquisition, divestiture and business development activity. Leigh is a Certified Compliance & Ethics Professional (CCEP), a Chartered Global Management Accountant (CGMA) and a Certified Public Accountant (CPA-Illinois). She is a member of NERC's Compliance and Certification Committee and currently serves as Vice-Chair of the ERO Monitoring Subcommittee.



Kenath Carver
Manager, CIP Compliance Monitoring (Texas RE)

Kenath Carver is the Manager of CIP Compliance Monitoring at Texas RE and has been with the company since 2012. He has over 15 years of Information Technology experience and prior to joining Texas RE, Kenath worked as an IT Business Solutions Analyst and Senior IT Security Administrator. Mr. Carver holds numerous industry-leading certifications, including CompTIA Network+, Security +, CySA+; GIAC CIP, and ISC² SSCP.



Shon Austin Principal Technical Auditor CIP Monitoring

Mr. Austin currently works in the CIP department and is responsible for monitoring, measuring and reporting the compliance to ERO Reliability Standards for the Registered Entities in the ReliabilityFirst footprint. These functions are accomplished through database management, real-time monitoring techniques, and on-site visits. He has an extensive knowledge of industrial and technical cyber security information.

Mr. Austin has 21+ years progressive experience in the Electrical Energy Industry, with 18+ years professional experience in Information Security, and 14+ years specialized experience in NERC/FERC Compliance & Enforcement.

Previously, Mr. Austin served as a Lead Compliance Specialist Southwest Power Pool (SPP) Regional Entity (RE) and a senior level Application Developer/System Engineer for the SPP Regional Transmission Organization.

Mr. Austin previously served as the:

- President of the Central Arkansas Chapter of ISACA
- Energy Sector Chief for the Arkansas InfraGard Members Alliance

Mr. Austin served in the United States Army Reserves at the rank of E5 (Sergeant) as a 91B20 (Medical Specialist).

Mr. Austin has a Masters of Business Administration and a Bachelor of Science degree in Computer Science and a minor in Mathematics. He is a certified NERC Lead Auditor and has completed NERC CIP training. He represented the Regional Entities in the development of the NERC CIP training pilot and has obtained the following certifications: Certified Information Systems Security Professional (CISSP), Certified Ethical Hacker (CEH), Certified Information System Auditor (CISA), Certified in Risk and Information Systems Control (CRISC), Physical Security Professional (PSP), Microsoft Certified Solution Developer (MCSD.NET), Microsoft Certified Application Developer (MCAD), Microsoft Certified Database Administrator (MCDBA), Microsoft Certified Professionals (MCP), Microsoft Certified Systems Administrator (MCSA), and Oracle Certified Associate (OCA)



Lonnie J Ratliff
Senior Manager, Cyber and Physical Security Assurance, NERC

Summary Statement: Lonnie is a Senior Manager, Cyber and Physical Security Assurance in the NERC Compliance Assurance group. In this position, Lonnie is responsible for providing oversight, guidance, and coordination in managing programs and processes to monitor, review, and evaluate program effectiveness of Electric Reliability Organization (ERO) Enterprise implementation of risk-based compliance monitoring and adherence to the NERC Rules of Procedure, Compliance Monitoring and Enforcement Program, and approved delegation agreements.

Detail Statement: In July 2017, Lonnie joined NERC's Grid Assurance group. Prior to joining NERC, Lonnie was the Manager, Entity Assessment and Mitigation (EAM) at SERC Reliability Corporation. Lonnie led a team that was responsible for assessing non-compliance scope and risk posed to the Bulk Power System. In addition, his team was responsible for conducting registered entity Inherent Risk Assessments and ensuring appropriate mitigation activities were applied for each non-compliance.

As the Manager, EAM, Lonnie was also responsible for developing, implementing, and maintaining the SERC regional Self-Logging Program.

Lonnie is a seasoned IT professional with over twelve years of Critical Infrastructure Protection (CIP) experience. He specializes in operating system and network security, penetration testing, and vulnerability risk assessments. He is proficient with a wide variety of system and network security solutions, including routers, switches, system and network firewalls, server and network intrusion detection systems.

Prior to SERC Reliability Corporation, Lonnie served as a consultant for Network and Security Technologies, Inc., (N&ST) for nine years performing numerous penetration tests and technical security assessments for major clients in the financial, education and electric power sectors. In addition, Lonnie performed high-profile projects related to compliance with the NERC CIP Cyber Security Standards for several large Bulk Electric System participants, as well as the U.S. Department of Energy.

Lonnie is a Certified Information Systems Security Professional (CISSP), Certified Information System Auditor (CISA), and has held certifications from Sun, Cisco, and Netscreen.

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Brian Allen CIP Assurance Advisor , NERC

Summary Statement: Brian serves as a CIP Assurance Advisor in the NERC Grid Assurance group. In this position, Brian works with the Assurance Team to provide oversight, guidance, and coordination in managing programs and processes to monitor, review, and evaluate program effectiveness of the Electric Reliability Organization (ERO) Enterprise implementation of risk-based compliance monitoring and adherence to the NERC Rules of Procedure, Compliance Monitoring and Enforcement Program, and approved delegation agreements.

Detail Statement: Brian joined the NERC CIP Assurance team in January 2019. Prior to NERC, Brian served as a Cyber Security Specialist at Georgia Systems Operation Corporation. In this role, Brian worked within Security Operations focusing on governance, risk, and compliance of the CIP Program.

1 Legal Notice: NERC staff biographies are for use by NERC and Regional Entities in implementing the NERC Rules of Procedure, including the NERC Compliance Monitoring and Enforcement Program set forth in Appendix 4C (referred to herein collectively as "NERC Rules of Procedure"). Regional Entities shall provide applicable NERC staff biographies to Registered Entities as required by the NERC Rules of Procedure. The NERC staff biographies are the property of NERC and may not be modified by anyone other than NERC, nor may they be used for





Ellen Watkins
NERC Compliance Director, Sunflower Electric Power Corporation

Ms. Watkins joined Sunflower in 2006 and transitioned from Human Resources into NERC Compliance in 2013. In 2016, she was promoted to her current role as the NERC Compliance Director.

Ms. Watkins earned a bachelor's degree in Organizational Management and Development and a master's degree in Business Administration, both from Friends University. She also earned a Graduate Certificate in Human Resource Management from Fort Hays State University.

As a member of the NERC Compliance and Certification Committee (CCC), Ms. Watkins also serves on the CCC ERO Monitoring Subcommittee (EROMS) as well as the Chair for the CCC Supply Chain Task Force (SCTF). Additionally, Ms. Watkins is active in industry and serves several roles for various organizations including the Southwest Power Pool's (SPP) Reliability Compliance Advisory Group (RCAG), North American Transmission Forum (NATF) Risk, Controls, and Compliance (RCC) Core Team, numerous NATF RCC projects teams, as well as serving as the lead for the RCC Emerging Issues Project Team.