



SERC Spring O&P Reliability and Security Webinar

March 8, 2022

1:00 p.m. – 4:00 p.m. Eastern

WebEx



SERC is committed to providing training and non-binding guidance to industry stakeholders regarding emerging and revised Reliability Standards. However, compliance depends on a number of factors including the precise language of the Standard, the specific facts and circumstances, and the quality of evidence.

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Purpose:

Operation and Planning Theme discussions will focus on reliability of the bulk power system, lessons learned.

- Explain new compliance program developments within the ERO
- Review new or existing O&P standards and audit approaches
- Discuss reliability risks and effective mitigations

Target Audience:

This event will be of interest to Operations, transmission, compliance, and training staff of registered entities responsible for compliance with NERC Reliability Standards.

The agenda allows time for Q&A after each presentation. Therefore, times listed may vary.

Agenda

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Tuesday , March 8, 2022

1:00 p.m. Welcome

*Bill Peterson – SERC
Senior Manager, Outreach and Training*

1:05 p.m. O&P Standards Update

*Chris Holmquest- SERC
Reliability and Security Advisor*

1:15 p.m. New Cold Weather Standard
Audit Approach

*Marcus Beasley– SERC
O&P Auditor*

1:35 p.m. New PRC-006 SERC 03 Standard

*Dave Krueger- SERC
Senior Program Manager, Operating Committee
Mike Kuhl- SERC
Manager of O&P Monitoring*

1:50 p.m. Break



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Tuesday , March 8, 2022

2:00 p.m. Facility Ratings Themes Report

*Dulce Plaza- SERC
Legal Counsel
Janice Carney- SERC
Senior Compliance Engineer*

2:20 p.m. Facility Rating a Broader Perspective and
the EROs efforts

*Tim Ponseti – SERC
Vice President Operations*

2:40 p.m. Legacy Architecture Risks

*Heath Martin – SERC
Senior O&P Auditor*

3:00 p.m. Break



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Tuesday , March 8, 2022

3:10 p.m. Internal Controls

*Greg Tenley – SERC
Senior O&P Auditor*

3:30 p.m. O&P Extent of Conditions

*Miles Albritton – SERC
Senior Compliance Engineer*

3:55 p.m. Wrap-Up

*Bill Peterson – SERC
Senior Manager, Outreach and Training*

4:00 p.m. Adjourn

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The WebEx session will be recorded. The recording will be posted to the SERC website and will, therefore, become public.

WebEx login information will be sent to registered attendees by **Monday, 07 March , 2022**
Join by phone 1-408-792-6300 Call-in toll number (US/Canada)

Participants will be muted upon entry to eliminate background noise. Please send questions through the Chat feature.

IMPORTANT NOTICE: Please note that this WebEx service allows audio and other information sent during the session to be recorded, which may be discoverable in a legal matter. By joining this session, you automatically consent to such recordings. If you do not consent to being recorded, discuss your concerns with the host or do not join the session.

Slido Information

SERC will be making use of slido to encourage Audience engagement as well as the Event Feedback Survey. Please scan the QR code below or go to [slido.com #SERC](https://slido.com/#SERC)



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Topic	Purpose
Registered Entity Forum CIP REF Steering Committee Members O&P REF Steering Committee Members	If you have a question you would like to submit anonymously, you may do so by contacting one of the Registered Entity Forum Steering Committee members.
Resource Library Newsroom	eLearning Modules, COVID-19, Hurricane and Cold Weather Preparedness, Supply Chain Resources. Past and present newsletters.
Events Calendar	Register for SERC's upcoming outreach events
Acronym List	Industry Acronym Reference Index

Questions for SERC

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- Q&A Process
- Entity Assistance

Topic

Email

- General inquiries / FAQ
- Seminar & Webinar Topic Suggestions
- Media inquiries
- SERC Membership
- SERC Committees
- SERC Compliance & Committee Portal/Committee related issues

Support@serc1.org

- Registration and Certification Issues
- Compliance monitoring methods:
 - Self-Certification
 - Self-Report submittals
 - Compliance data submittals
- Enforcement and Mitigation
 - Mitigation Plan submittals
- SERC Compliance & Committee Portal-Compliance related issues

SERCComply@serc1.org

- Reliability Assessment data reporting
- Reliability Assessment forms
- Annual Voting Rights
- Reliability Data Reporting Portal

RAStaff@serc1.org

- Industry Subject Matter Expert (ISME) Program
- Submitting an ISME application

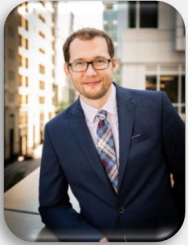
ISME@serc1.org

- Situational Awareness
- Events Analysis

SAEA@serc1.org



Speaker Biographies



Bill Peterson - SERC

Bill Peterson is the Manager Outreach and Training with SERC Reliability Corporation. Bill has contributed over 20 years to the information technology profession with 17 years dedicated to securing the bulk power system. He started working with CIP security in 2007 and has helped numerous organization strengthen their security posture over the years.

Previously, Mr. Peterson was the Manager, IT and Assistance, Program Manager, Cyber Security in the Technical Resources department and a Senior CIP Engineer in the Compliance group. Prior to joining SERC, he worked in security roles for Duke Energy and the New York Power Authority. Mr. Peterson has a Master's in Business Administration with a concentration on Information Technology Management from the State University of New York at Utica/Rome.

Mr. Peterson has a Bachelor's of Science degree with a dual major in Computer Engineering and Electrical Engineering Technology from the State University of New York at Utica/Rome. Bill holds a certification in Certified Information Security Manager (CISM), a Certified Information Systems Security Professional (CISSP), a Certified Risk and Information Systems Control (CRISC) and a Leadership Certificate from Cornell University



Chris Holmquest–SERC

Chris Holmquest joined SERC in July 2019 as a Senior Reliability and Security Advisor. Prior to joining SERC, Chris was with the Florida Reliability Coordinating Council (FRCC) Regional Entity. He joined FRCC RE as a CIP Compliance Auditor in 2013, and was promoted to Manager, Risk Assessment and Mitigation in 2014, as part of the new NERC initiative for Risk-Based Compliance Monitoring and Enforcement. Chris was the FRCC RE representative on the CIP V5 Transition Study, where he worked with the SERC representative and the two SERC utilities selected for the study.

Chris has 37 years of electric utility experience, serving over 30 years with a medium-sized electric utility before joining FRCC RE. Chris spent eight years in fossil generation and 23 years at the transmission and generation control center.

During his time in the control center. Chris spent several years as an Energy Management Systems (EMS) Engineer and later joined the newly formed NERC Compliance and Training group as a System Operator training engineer. During that time Chris became NERC certified as a Reliability Coordinator (RC) as he built and delivered training programs for operations personnel. Chris was instrumental in starting and building his company's CIP compliance program and became the manager of CIP Compliance in its new NERC Compliance and Operations Technology group. Chris was also the manager of his company's NERC Training Department through the PER-005 compliance implementation effort, as well as the manager of both the EMS and Applications teams and the CIP Compliance group.

Speaker Biographies



Marcus Beasley - SERC

Marcus is currently an O&P Auditor at SERC performing compliance monitoring functions in accordance with NERC Rules of Procedure. He plays an integral role performing compliance audit of registered entities. He also participates in the assessment of risk to appropriately develop a compliance oversight plan and scope compliance monitoring activities.

Before joining SERC, Marcus worked with Tennessee Valley Authority (TVA) as a Transmission Operator (TOP). He was responsible for the operation of a quarter of the TVA electrical grid. Additional responsibilities included writing and issuing switching, navigating complex secondary electrical circuits, responding to system disturbance, and assisting with planned outage logistics. Prior to TVA Transmission Operations, he worked with Hydro Dispatch Control Cell. In this role he managed 29 TVA hydro facilities remoted to System Operations Center. He also worked in real-time with a multi-organizational management team to assure TVA hydro power generation and power systems are operated in a reliable and economic manner.

Additional experience includes making economic and operational decisions regarding generation and reactive power generation in coordination with the BA and TOP. As a coordinator, he determined the amount of energy and reactive power needs of a given unit. As a member of the Asset Availability Team, he managed hydro outages and outage requests. He also coordinated load balancing and performed switching at various hydro facilities under the direction of the TOP to safely perform maintenance and other operations.



Dave Krueger - SERC

Dave Krueger has been with SERC for three years and is currently the Program Manager, Operations. Prior to that, Dave spent nearly 14 years at ISO New England. He worked in IT, Real-Time and Day Ahead Markets, and spent his last 10 years working in the EMS Modeling and Real-Time Support group and the final 5 as supervisor of the group. Dave has a Bachelors Degree in Electrical Engineering from Rensselaer Polytechnic Institute and a Masters Degree in Power Systems Management from Worcester Polytechnic Institute.

Speaker Biographies



Mike Kuhl - SERC

Mike is Manager, Operations and Planning Compliance Audits for SERC Reliability Corporation and reports to the Senior Manager of Compliance Monitoring. Prior to joining SERC in January 2013, Mike worked at the Cincinnati Gas & Electric Company/Cinergy/Duke Energy for nearly 24 years. His responsibilities were primarily in the areas of electric generation and transmission electric system operations.

Mike began his career during the construction and start-up phases of W.H. Zimmer Station, a 1,300 MW supercritical unit and the world's first nuclear-to-coal conversion project. Mike transitioned to control area operations in the mid-1990s, subsequently became a NERC-certified transmission system operator, and worked as a Control Area Coordinator. Mike then served as Project Manager of Cinergy's energy markets integration with the Midwest ISO. Several years before reliability standards became mandatory and enforceable, his job focus transitioned to NERC reliability standards compliance where he developed, implemented, and managed Cinergy's and Duke's initial Reliability Standards Internal Compliance Programs.

Mike earned a B.S. in Chemistry from the University of Cincinnati. He is a NERC Certified System Operator at the Reliability Coordinator level, and holds an Internal Auditor Practitioner certification.



Dulce Plaza -SERC

Dulce has been with SERC as Legal Counsel since July 2019. Prior to joining SERC, Dulce acted as a litigation associate in one of Charlotte's prominent insurance defense firms. Dulce is an active member in the ERO Enterprise Enforcement Group (EG), previously serving as Co-Chair on the EG Risk Alignment project team.

She also volunteers her time with the Mecklenburg County Bar (MCB) where she is currently serving a three-year term on the MCB Board of Directors, and served on the MCB's Diversity and Inclusion Committee's Pipeline Programming subcommittee for six years.

Speaker Biographies



Janice Carney - SERC

SERC Reliability Corporation Senior Compliance Engineer Janice Carney joined SERC in January 2009 as a Compliance Engineer, and currently serves as a Senior Compliance Engineer. Ms. Carney is responsible for administering the Compliance Monitoring and Enforcement Program. This responsibility includes the determination of Alleged Violations, risk assessments and the Enforcement staff's review and acceptance of Mitigation Plans.

Prior to joining SERC, Ms. Carney was the Manager, Regulatory Issues for Electricities of North Carolina, Inc., a membership organization including public power communities in North Carolina, South Carolina, and Virginia. Before joining Electricities in May 2003, Ms. Carney held various positions in her 16-year career with Progress Energy – Carolinas including power marketer, Manager of Retail Sales, and Major Accounts Manager. Ms. Carney holds a degree in computer engineering from Clemson University



Tim Ponseti - SERC

Tim is the Vice President of Operations for SERC Reliability Corporation, which includes several program areas, including Reliability Monitoring, Situational Awareness and Security, IT, Technical Services, Reliability Assessments and Performance Analysis (RAPA), Engineering, Advanced Analytics, and System Operator Training. Tim's extensive background includes leading control center operations, transmission operations, transmission planning, transmission maintenance, resource planning, load forecasting, distribution engineering, rate design and customer service, regulatory policy and compliance, industrial marketing, plus many years of experience serving on the SERC Board of Directors and NERC committees.

Tim graduated summa cum laude from Tulane University, with a Bachelor of Science in Electrical Engineering. He is a member of the National Engineering Honor Society, the National Electrical Engineering Honor Society, the National Leadership Honor Society, and was a NERC Certified System Operator.

After graduating from Tulane, Tim joined Entergy, where he worked a variety of jobs over the next 18 years. His last five years were spent in Pine Bluff, Arkansas, as the overall manager of Entergy's System Operations Center, with Balancing Area responsibility across four states, and Reliability Coordinator responsibility across seven states. Twelve of these years with Entergy were spent as a member of SPP.

In 2003, Tim joined TVA, where he held a variety of executive level positions. From 2013 to 2017 he served as TVA's Vice President of Transmission Operations & Power Supply (TOPS), where he had responsibility for TVA's Transmission Operator and Balancing Area function (seven states), Reliability Coordinator function (11 states), plus SCADA, the Network Operations Center, Operator Training, Compliance Execution, Real Time Power Trading, and Power Origination.

From 2015-2017 Tim served as the Vice Chair of the SERC Board of Directors; from 2015-2017 he served as a member of the NERC Member Representatives Committee (MRC); and from 2016-2017 he served as Chair of the Eastern Interconnect Planning Collaborative (EIPC). He was also a member of the original multi-sector NERC Functional Model team.

Speaker Biographies



Heath Martin - SERC

Heath joined SERC in September of 2012. Prior to joining SERC, Heath worked for Entergy for eighteen years and Southwest Power Pool (SPP) for four years.

Heath began his career with Gulf States Utilities in Baton Rouge, Louisiana, starting in field services and progressed to distribution operations. He was responsible for supporting roughly 300 linemen/ servicemen and 600K customers in South Louisiana. He started his Bulk Electric System career in 2000 in the Entergy System Operation Center in Pine Bluff, Arkansas and transferred to the Entergy Energy Management Organization in The Woodlands, Texas in 2006. Heath is NERC Certified and currently holds an NERC RC Certification.

While at SPP, Heath was the Supervisor of the SPP RC Southern Region and Tariff Administration for the Independent Coordinator of Transmission Entergy (ICTE). His primary focus was to ensure reliable operation of the BES within the Southern Region of SPP. His supervisor responsibilities included SPP member support and managing operational staff to assure the operators' training and job task qualifications supported reliable operation of the bulk electric system. Other duties included coordinating with registered entities within the RC footprint so problematic transmission and generation outages could be safely mitigated. Heath also worked closely with the SPP RTO internal compliance group and operational support staff to make sure NERC standard updates were properly implemented within the affected operational areas. Heath was also a member of the NERC RCWG/ORS.



Greg Tenley - SERC

Greg Tenley joined SERC in September 2015. Prior to joining SERC Greg worked for PPL Electric Utilities from 2010 until 2015 as a Transmission System Operator. There Greg provided real time monitoring and control decisions and direction for the 24/7 operation of the PPL Electric bulk power system. Also, Greg was responsible for the execution of Emergency Load Control Procedures to maintain system integrity under emergency systems. He executed Permits and Switch Orders in the operation and maintenance of the Bulk Electric System. Greg spent 2 years in the Transmission Control Center Short Term Planning and Outage Coordination office running week ahead load forecast and work planning studies as well as coordinating capital and maintenance projects with Engineers, Project Managers and Contractors.

Prior to working for PPL Electric Utilities, Greg worked for First Energy Corporation as a Power System Dispatcher from 2000 until 2010. While there, Greg directed day to day Operation of the Regions Electrical Transmission and Distribution Systems to assure reliable and economic supply of electricity to 1.2 million customers. Greg coordinated and directed activities of personnel in Line, Relay, Test and other departments in the operation, installation and maintenance of electrical facilities and concurrent activities under emergency situations by organizing and directing personnel in five different districts.

Greg worked for Nebraska Public Power District as a Regional System Operator from 1995 until 2000. While there, Greg provided for safe, reliable and efficient operation of the regions electrical system to include switching and dispatch functions associated with working clearances, load transfers, system status and operation of power equipment. He was responsible for subtransmission and distribution systems to include substation loading, outage reports, voltage optimization schedules, line patrol reports and environmental reports. Greg supervised the application of the Protective Permit and Tag System to facilities within area of jurisdiction and directed switching and operation of remote control equipment to control substation facilities in the Western Region of NPPD.

Greg is also a retired Chief Master Sergeant (E-9) USAF with 28 years of service and completed his career at HQ Air Combat Command, Langley VA as the Commands Chief of Prime Base Engineer Emergency Forces.



Speaker Biographies



Miles Albritton – SERC

Miles has been in the electric utility industry for 40 years. He is currently a Senior Compliance Engineer working within the Risk Assessment and Mitigation (RAM) team, and has been at SERC since July 2019. Prior to coming to SERC, Miles was at the Florida Reliability Coordinating Council (FRCC) for three years as the RAM Senior Compliance Engineer.

Prior to the FRCC, Miles worked for Duke Energy Florida for 35 years spending 25 years in System Operations and 10 years in various leadership positions. Prior to retiring Miles spent three years as the General Manager of Distribution Operations. Miles is a NERC Certified System Operator (RC).

Miles spends his free time playing golf and travelling.

Thank You

ADDITIONAL INFORMATION

Questions concerning registration and meeting content - [Lynn Black](#)

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