Security Integration and Technology Enablement Subcommittee Work Plan

RSTC Work Plan Summit
January 21-23, 2025

RELIABILITY | RESILIENCE | SECURITY

- Work Plan item name: Whitepaper: BES Operations in the Cloud

- Work Plan item detailed description: Breakdown concepts. Explain risks and challenges. Provide guidance and recommendations for adoption. Address cybersecurity and CIP compliance.

- Scheduled completion date: Q3 2023

- Applicability to address: RISC Report, Security Integration Strategy

- Priority (H/M/L): High

- Status: Final draft completed, and submitted to September RSTC Agenda for "Request for Approval"

- Work Plan item name: Collaboration Whitepaper: Privacy & Security Risks of DER Aggregators

- Work Plan item detailed description: Collaboration with SPIDERWG. Identify present architectures, technologies, threats, and risks, and controls. Provide recommendations to ensure security, reliability, and resilience.

- Scheduled completion date: Q3 2023

- Applicability to address: RISC Report, Security Integration Strategy

- Priority (H/M/L): High

- Status: Final draft completed, and submitted to September RSTC Agenda for "Request for Approval"

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- Work Plan item name: Whitepaper: New Technology Enablement & Field Testing
- Work Plan item detailed description:
  - Identify strategies for industry to safely and securely trial new technology within BCS environments
  - Address barriers to adoption
  - Proposal: RETINA – Regional Engagement for Technology & Integration Innovation Acceptance Program – driving "Safe Harbour" processes, and technology pilots pre-standards development within the Regions
- Scheduled completion date: Q4 2023 – Q1 2024
- Applicability to address: RISC Report, Security Integration Strategy
- Priority (H/M/L): Medium
- Status: Drafting ongoing

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- Work Plan item name: White Paper: Risk-Based Physical and Cybersecurity Threats and their Impacts to BPS Reliability and Resilience

- Work Plan item detailed description: Guidance and reference materials providing information about security threats and how Registered Entities can plan, design, and operate the system to mitigate these potential risks. High-level recommendations for industry to consider in their own engineering and security practices for mitigating potential BPS reliability risks.

- Scheduled completion date: N/A

- Applicability to address: RISC Report, Security Integration Strategy

- Priority (H/M/L): Medium

- Work Plan item name: White Paper: Review and Enhancement of Cybersecurity Maturity Metrics
- Work Plan item detailed description: Review and enhance the development of metrics to track the capabilities and maturity of cybersecurity and its integration with BPS reliable operation on a broad level; considerations at a macro-scale, integrating all aspects of overall BPS security, reliability, and resilience.
- Scheduled completion date: N/A
- Applicability to address: RISC Report, Security Integration Strategy
- Priority (H/M/L): Low

- Work Plan item name: SITES Industry Workshop
- Work Plan item detailed description: An industry-wide technical workshop to highlight strategic areas of focus related to new technologies, technology enablement, and security integration.
- Scheduled completion date: N/A
- Applicability to address: RISC Report, Security Integration Strategy
- Priority (H/M/L): Low

- Work Plan item name: State of Technology Report
- Work Plan item detailed description: Technical report providing industry with strategic guidance regarding new or emerging technology solutions and risk-based considerations for their successful implementation.
- Scheduled completion date: N/A
- Applicability to address: RISC Report, Security Integration Strategy
- Priority (H/M/L): Low

- Work Plan item name: Reliability / Security Guideline: Integration of Cyber and Physical Security with BPS Planning, Operations, Design, and System Restoration
- Work Plan item detailed description: Recommendations for industry regarding ways that BPS planning, operations, design, and restoration activities can be enhanced by considering cyber and physical security aspects to improve BPS reliability and resilience; recommendations regarding the convergence of IT and OT networks.
- Scheduled completion date: N/A
- Applicability to address: RISC Report, Security Integration Strategy
- Priority (H/M/L): Low

- Work Plan item name: Whitepaper: AI Benefit and Risk Assessment for the BPS
- Work Plan item detailed description: Evaluate benefits and cybersecurity risks of AI technology use cases for industry including bulk and distribution sides. Provide recommendations for beneficial use cases, secure and reliable implementation, and mitigating controls for cyber risks.
- Scheduled completion date: N/A
- Applicability to address: RISC Report, Security Integration Strategy
- Priority (H/M/L): Low

- Work Plan item name: Whitepaper: EV Charging & V2G Security Risks to BPS (Title TBD)
- Work Plan item detailed description: Evaluate cybersecurity risks of EV charging and vehicle to grid technologies and architectures. Provide recommendations for standards, policies, and controls for industry.
- Scheduled completion date: N/A
- Applicability to address: RISC Report, Security Integration Strategy
- Priority (H/M/L): Low

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Questions and Answers

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