Preparing for the NERC CIP Audit - Importance of Maintaining and Providing Evidence of Compliance





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Agenda

- Preparing for audits strategy
- Providing timely documentation and evidence of compliance through a central repository of evidence
- Robust process and best practices to document audit reports for compliance program
- Knowledge management: Documenting subject matter expert's discussions and decisions
- Q&A



Preparing for the NERC CIP Audit



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Definitions



Documentation: the act or an instance of furnishing or authenticating with documents the provision of documents in substantiation

Evidence: something which shows that something else exists or is true a visible sign of something material that is presented to a court of law to help find the truth about something



Documentation Examples



- BES Cyber System Identification
- Cybersecurity Policies
- Security Awareness
- Security Training
- Personnel Risk Assessment
- Access Management
- Electronic Security Perimeters
- Physical Security Plan
- Patch Management
- Malicious Code Management
- Incident Response
- System Recovery
- Configuration Management
- Vulnerability Assessments
- Information Protection

The National Electric Sector Cybersecurity Organization (NESCO) is operated by EnergySec with funding assistance from the U.S. Department of Energy

Evidence Examples



- Written documentation
- Performance evidence
- Verbal testimony
- Communication records
- Observations



Evidence Tips



- Know where to find evidence
- Evaluate evidence independently
- Balance the details; auditors will request additional information if necessary
- Redact where appropriate (sensitive information)
- Common format-use the RSAW and build a substantive and clear narration
- Be mindful of BCSI and your IPP
- Be prepared to "prove it"- the burden is on you to demonstrate compliance



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Audits



- Audits are about:
 - Accountability
 - Transparency
 - Consistency
 - Sustainability
- Compliance Framework
- Audit etiquette



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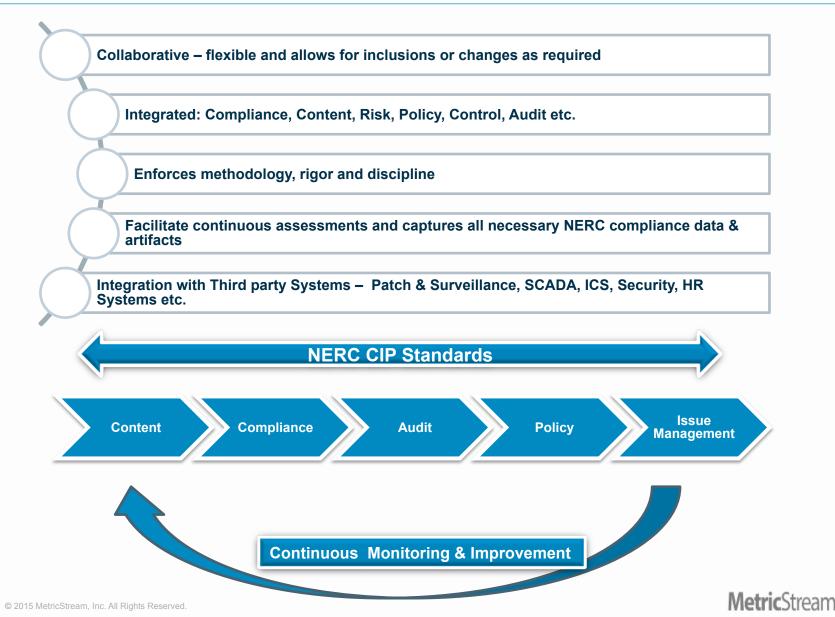
EUP (Energy and Utility Platform)



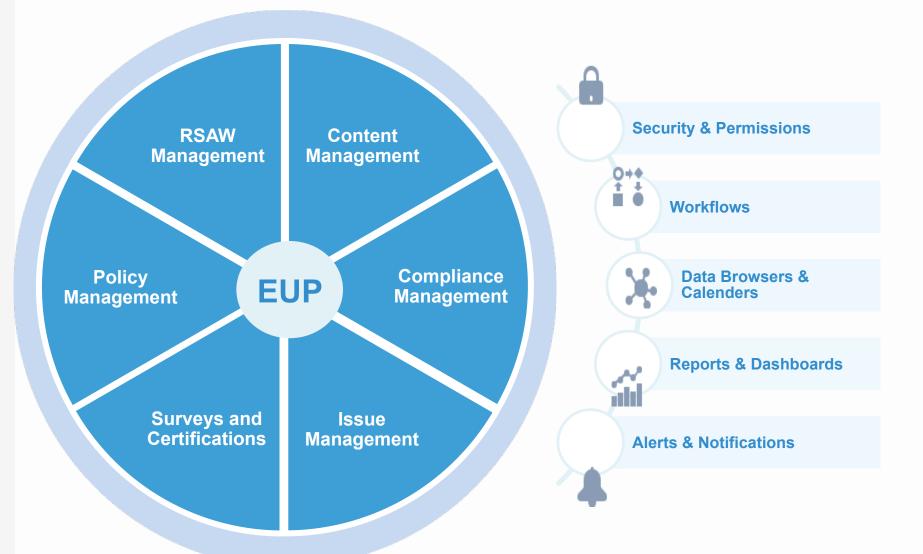
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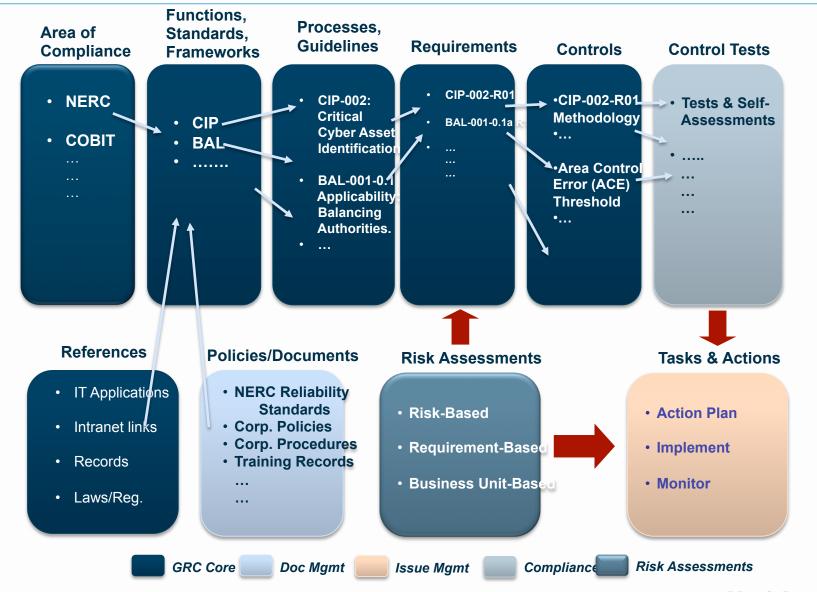
Effective NERC – CIP Compliance Program



Key Components: NERC Compliance Management



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A Robust & Flexible Information Model

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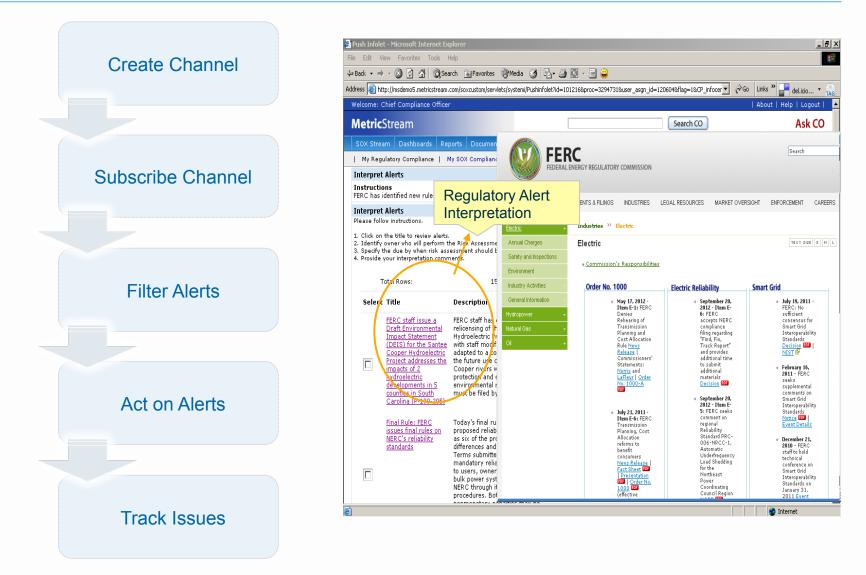
Setup Content (CIP standards, requirements, controls etc.)



Structure a logical compliance hierarchy, including Areas of Compliance, Standards, Requirements, Controls and Assets.

Configure workflows for managing both internal and external standards, mapping regulations, developing controls, performing compliance audits, preparing and implementing action plans, and identifying and remedying issues.

Update Content (Regulatory Changes)



Test Cyber Security Management Controls

- Define and Manage Controls to protect Cyber Assets
- Manage Password Changes to CCAs
- Perform Control Assessments on regular basis
- Control Tests to identify strength of controls
- Notifications to appropriate officers
- Logs and audit trail maintenance
- Equivalent to Self Correcting Process Improvement mentioned in Version 5

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Review and Approve issues that arise from tests, self-assessments and certifications.

Define one or more Action/Remediation plans to

Document the work done and results and send the implemented Actions for review and approval.

Monitor the status and progress of issues and implementation of remediation plans.

Close issues after all the action plan is implemented and approved.



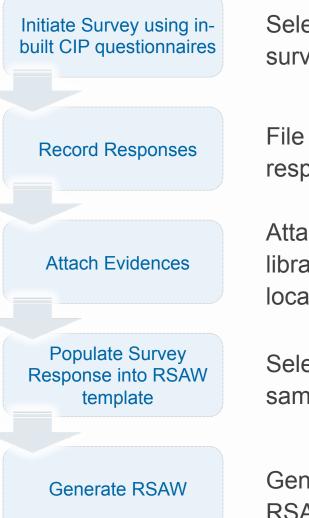
Create sections and add questions manually or from the GRC library under every questionnaire.

Initiate a Survey or a Certification by choosing a questionnaire and selecting respondents and approvers.

File responses or collaborate with other respondents for responses.

Collate the Survey responses, Approve and sign-off the assessments and key compliance program data.

Add Findings/Issues to capture nonconformance.



Select a CIP questionnaires and initiate survey to one or more users.

File responses or collaborate with other respondents for responses.

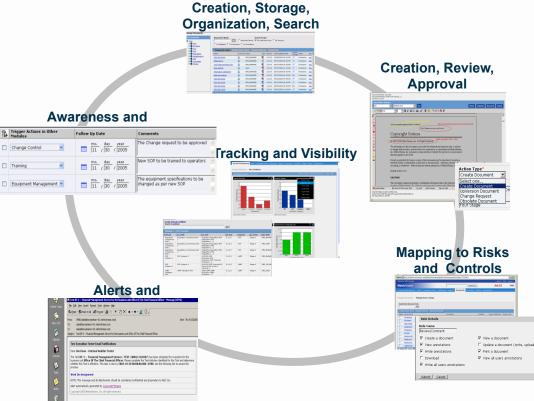
Attach Evidence to the survey from the GRC library or from a previous survey or from the local system.

Select the survey response and populate the same in the in-built RSAW template.

Generate and download the completed RSAW in word format for editing.

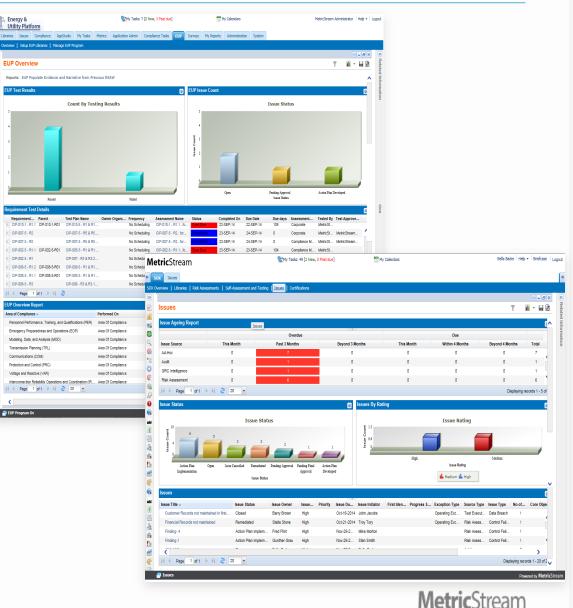
Enforce Policies to Effectively Manage Compliance

- O Policies & Procedures for Implementing a physical security program
- Setting prerequisites for granting approvals, assigning work etc.
- Define methods, processes, and procedures for securing Cyber Assets & BES

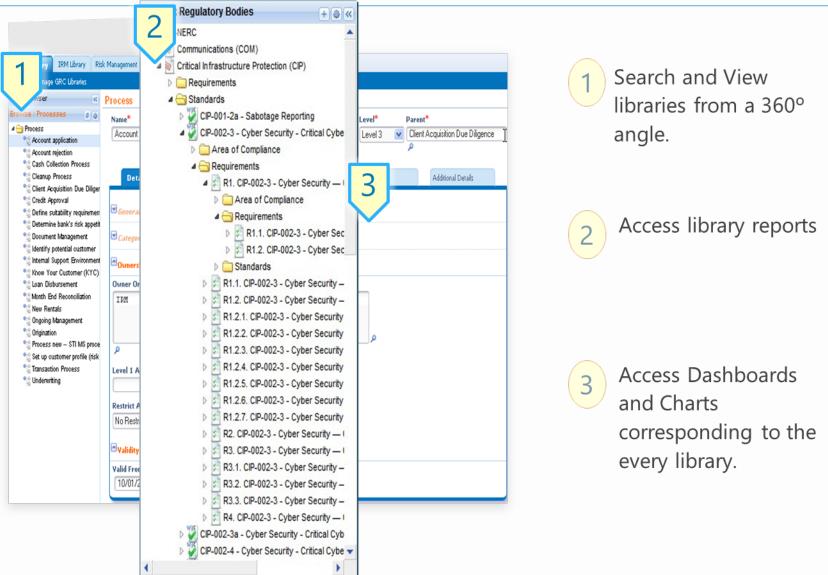


Real time Monitoring and Reporting

- Risk Intelligence by Regulations & Critical Assets
- Track NERC version and Migration check
- Monitor NERC Compliance Audit Readiness
- Regulatory Filings, Certifications



Data Browser



MetricStream Advantage – NERC CIP Solution

- Best in class Governance, Risk and Compliance solutions provider
- Platform based solution with integrated risk, compliance, policy, issue and change management systems
- Experience in working with numerous electric utilities in the US ranging from co-ops to investor owned
- Built in content with controls and industry best practices
- One-Click Automated RSAW generation reduction in RSAW production times from weeks to just few minutes/ hours.

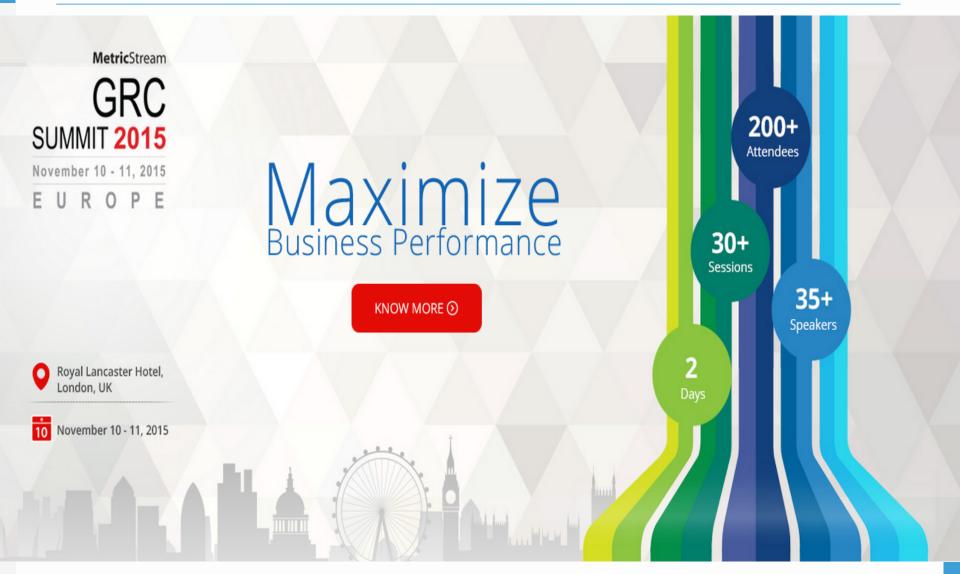
Metric Stream

• Have real-time visibility into business to avoid compliance concerns

About MetricStream

Vision	Integrated Governance, Risk and Compliance for Better Business Performance						
Solutions	 NERC CIP Compliance Risk Management Business Continuity Management IT GRC Audit Management Supplier Governance Quality Management EHS & Sustainability Governance & Ethics Content and Training 						
Partners	Corporate Risk [®] Deloitte. pwc TATA CONSULTANCY SERVICES White Hat SECURITY						
	 Over 1,800+ employees Headquarters in Palo Alto, California with offices worldwide Over 350 enterprise customers Privately held – Backed by global leading VCs, Sage View Capital, Goldman Sachs 						
Organization							
Differentiators	 Technology - GRC Platform – 9 Patents Breadth of Solutions – Single Vendor for all GRC needs Cross-industry Best Practices and Domain Knowledge ComplianceOnline.com - Largest Compliance Portal on the Web 						

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