

# **Sharing Resources in CIP Programs**

## **For GRC and Cybersecurity Programs**

**April 25, 2025**



# Introduction

- NERC developed the Critical Infrastructure Protection (CIP) regulations
- Implementing and operating CIP programs requires multiple departments and cross-functional teams
- Siloed and integrated CIP programs hold different risks that must be managed
- Sharing resources in CIP programs can:
  - reduce some risks and introduce new risks
  - lower operating costs
  - increase collaboration
  - make more resources available
  - impact sub-cultures



# Compliance Scenarios

## Scenario 1: Minimum Compliance

- CIP programs are built for minimum compliance
- Interpret the requirements and implement the program
- Improvements are only necessary if non-compliance event occur
- Reactive versus proactive
- Years of minimum compliance will vary with organizations

## Scenario 2: Program Integration

- Multiple compliance programs exist
- Commonalities are implemented across programs
- Internal audit is an active stakeholder
- Organizational requirements are required
- Common among matured programs and organizations

## Scenario 3: Hybrid of Scenario 1 and 2

- Compliance maturity falls between minimum and program integration
- Resource availability (budget, SME, time, etc) is usually an indicator of where the organization falls on the scale

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# Common Functions for CIP Programs

## Common Scenarios

- CIP requirements mandate the application of information security and cyber security across people, process, and technologies
- The feasibility of a few teams operating and maintaining a full CIP program is possible but improbable.
- Most CIP programs require representation from many functional teams to implement and operate.

## Common Functional Teams

- Network and Firewalls
- Cyber security
- Servers / Infrastructure
- Application
- Middleware
- Corporate / Physical Security
- Engineers (Automation / Protection / SCADA)
- Operators (Plant / Control Center)
- Plant Managers
- Internal Audit
- Analysts (Compliance / Business / Technical)
- Legal
- Human Resources
- Leadership

# CIP Program Challenges & Examples

Challenges	Examples
<b>Conflicting Operating Models</b>	
Functional teams may be required to follow multiple policies	Reporting to a CIP Senior Manager that is outside of the SME's department
Existing portfolio of services and requirements which may conflict with CIP	Compliance with other regulations, frameworks or standards
Resource constraints to include additional CIP tasks	The addition of CIP assets may introduce additional resources required to operate
Teams developed their methods to execute activities and tasks and the impact of change requires assessment with many stakeholders	Risk management is sometimes team-based and may not align with risk-based activities in CIP programs
Teams are required to follow CIP processes to execute their functional tasks	Patching within 35 days or follow the exception process may be new to patching teams
<b>Culture Clash</b>	
Sub-cultures can impact expected outcomes of a CIP program	The sub-culture of a network / firewall team may require decisions from the experienced team lead versus the CIP compliance team
Resistance to change, unwillingness to adapt to CIP requirements	Changing or adopting delivery times for reviewing SIEM events
<b>Competing Priorities</b>	
Sharing resources in different teams with different leaders will most likely experience competing priorities	A physical security team resource may prioritize other physical sites due to performance objectives
Team leadership may have opposing objectives	The control center is required to monitor non-CIP assets where the IT cyber security team requires CIP to be prioritized

# Indicators to Share Resources

## Business Goals and Objectives

- Organization requires alignment with mission objectives
- Restructuring of the organization

## Resource Constraints

- Limited compliance budgets are less than compliance metrics
- Functional SMEs in different teams have other priorities
- Deadlines are constantly missing target dates
- Culture compatibilities are not improving

## Compliance Risks are Not Improving

- Sub-cultures impact expected outcomes of a CIP program
- Resistance to change, unwillingness to adapt to CIP requirements

## Necessary Skills are Missing

- Compliance team members are executing tasks outside of their core competency
- Personnel retention is inconsistent
- CIP requirements are misunderstood

# Benefits to Share Resources

## Cost Controls

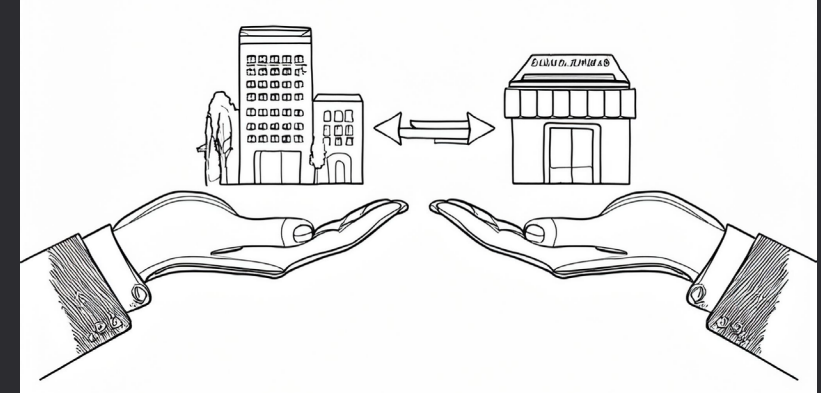
- Use resources from other teams as needed versus onboarding all the necessary people, process, and technology

## Instilling Institutional Knowledge

- Siloed CIP program holds risk of key SMEs leaving the organization with the knowledge they gained
- Cross-functional teams and cross-training help to retain knowledge in the organization and program
- Promotes a positive culture

## Stronger Risk Management

- One risk management program and operation reduces conflicts
- Greater visibility for the organization



# Considerations

## Appropriately Assess Challenges

- CIP does not state requirements for the mentioned challenges but they are inherent for compliance success
- The processes and results are the critical measures to meeting the requirements
- Assess for cultural impacts

## Knowledge Retention

- Build required knowledge base to remain with the organization
- Retain and improve upon existing knowledge

## Unify Multiple Programs

- CIP programs are usually siloed, unless the organization is matured, to reduce compliance risk
- Many environments deem it necessary to silo the CIP program due to incompatibilities with other program requirements
- Unify components of different programs where it generates value

# How SimpliGRC Can Support

Implementing and  
assessing NERC, ARS,  
and MRS CIP  
Programs

Successfully  
completed several  
NIST CSF, CIP, CIS,  
and ISO assessments  
and audits

Softening silos and  
sub-cultures to  
achieve enterprise or  
project goals

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Business Impact  
Analysis and Risk  
Assessments

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project management  
services

IT / OT convergence  
services in complex  
environments

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and implementation

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and re-engineering

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# THANK YOU

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