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**Compliance Program** 



# Can You Set it and Forget It?

How many of you have an ICS environment that never changes?

Where the equipment never changes?

Where the technology never changes?

Where the technology never touches IT or corporate or external networks?

Where the business needs/requirements never change?

Where the team members never change?

Where the standards never change?

# **Compliance Landscape**

ICS CYBER SECURITY CONFERENCE

**Signaling is Clear** 



### **National Security**

- Executive Orders, National Security Memo.
   & 1st 100 Days
- National Security Strategy & Impl. Plan
- CISA Cybersecurity Strategic Plan 2024-2026
- DFARS 252.204-7012 Safeguarding Covered Defense Information & Cyber Incident Reporting. & Cybersecurity Maturity Model Certification (CMMC) contractual/federal



#### **Critical Infrastructure**

- NERC Critical Infrastructure Protection (CIP) - electric
- DHS CISA Cross-Sector Cyber Performance Goals
- DHS TSA Pipeline Safety Guidelines & Security Directives
- API 1164 Pipeline Control Systems Cybersecurity



- NIST SP 800-53 Security and Privacy Controls for Information Systems and Organizations
- NIST SP 800-82 Guide to Industrial Control Systems (ICS) Security
- ISA/IEC 62443 Automation and Control Systems Cybersecurity Standards



### **Other Related**

- NIST Risk Management Framework and Authorization Concepts
- NIS2 (EU)
- Consequence-driven Cyber-Informed Engineering
- Failure Mode and Effects Analysis (FMEA)





### **LEVERAGE EXISTING**

- Code of Business Conduct
- Company-level compliance dept/committee
- **Regulatory Affairs**



# **BUILD** Executive/Senior Sponsorship

Director-level Steering

Working Group (SMEs/Leads/Managers)

# **GOVERNANCE STRUCTURE**

**Compliance Project – Evolves to – Compliance Program** 





## Charter

### **ICS Cybersecurity Program**

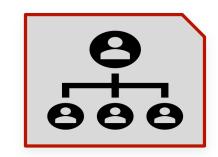
The program charter can start out as a project charter and evolve over time.

- Mission
- Purpose
- Responsibilities
- Scope
- Guidelines

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- Relation to other internal governance structures
- Leadership Sponsor
- Minutes documented, responsibility (e.g., chair), distribution for review
- Meeting frequency and attendance
- Agendas
- Annual review
- Common responsibilities across major roles





### **ORGANIZATION**

**Functional Areas** 

## **STAKEHOLDERS**

## Anyone that can affect or be affected by the compliance program

- Who does the ICS Security Compliance work?
- Who manages the ICS Security Compliance work?
- Who makes decisions about the ICS Security Compliance work and program?
- Who needs to know about the ICS Security Compliance program?
- Who can benefit from the success of the ICS Security Compliance program?
- Who can be harmed from the failure of the ICS Security Compliance program?
- Who can influence the ICS Security Compliance culture?



KEY INFLUENCERS

**Subject Matter Opinion Leader** 



**GEOGRAPHY** 

Multi-sites within city, state, and/or nation, multi-affiliates and/or territories



**INVOLVEMENT ASPECTS** 

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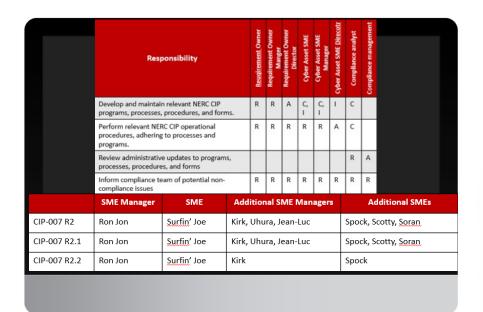
**KEY DECISION MAKERS** 



ONGOING ENGAGEMENT PLAN

Organizational Change
Management, Department Goals





# **ACCOUNTABILITY**

**Getting to Ownership** 

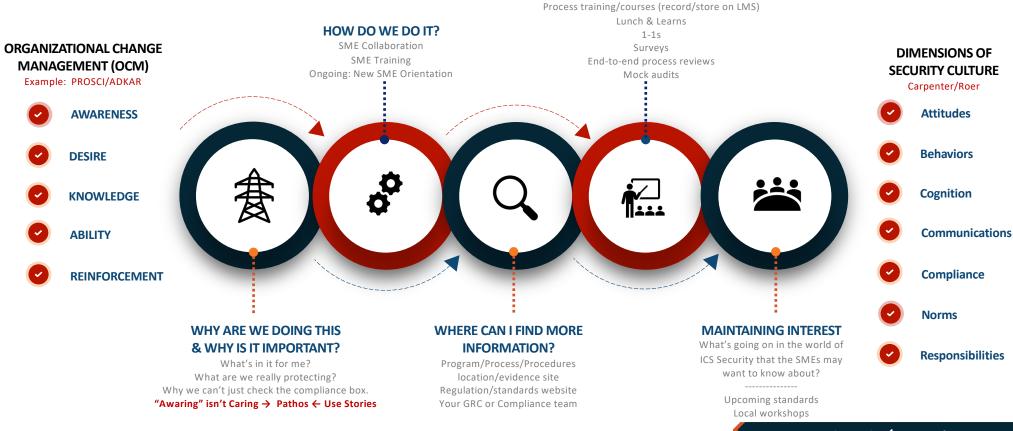




### **OCM & CULTURE CHANGE**

Understanding the "Why" & Minimizing the Fear Factor

#### **VARIED LEARNING APPROACHES**





Ensure Understanding of Standards & Requirements

The content of the standards and requirements is not likely to match up to how your company does business. Careful interpretation analysis is required to ensure you are meeting the intent of the standards, especially those that are regulatory. Your processes, programs, and procedures will need to be business-focused, and a compliance narrative can be written to explain how you comply.



= True

#### **REQUIREMENTS**

Review and carefully pay attention to every NOUN and VERB in the standard requirements.



#### **TERMINOLOGY & GUIDANCE**

Research every term in the standards and treat any defined terms as part of the requirements. Also review available guidance from the regulator and/or framework author.



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#### **COMPLIANCE MATH**

Watch out for "compliance math" – it isn't always as straightforward as it might initially appear.

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### PLANNING FOR IMPLEMENTATION

#### High-level Project Activities Leading to Establishing the Compliance Program

Document/confirm/review scope, interpretation, and SMEs

Determine gaps between current posture and the regulation/standards

Determine relevant people, processes, and technology needed as well as budget

Start grouping activities logically by function and/or by SME Teams and design workshops to be held to determine approaches and make decisions (requires a core person or small team to get this started)

Hold workshops with key SMEs or all relevant SMEs and document decisions made, approaches, etc., and any additional decisions needed

Design internal Controls to help stay compliant (preventive/detective)\*

Perform the work to meet the requirements; in parallel, begin writing the programs, processes and procedures..

Plan for operationalization of the requirements.

Set up tracking for periodic requirements, reminders, escalation

Establish Evidence & Documentation Management - Programs, processes, procedures, performance evidence e.g., forms, attestations, review/approval process

Train team members for reminders, escalation and evidence management

Train SMEs on the processes

Operationalization: Day-to-day operations turnover

Develop Compliance Narratives and perform final validation on Audit Readiness

Perform early validations of performance evidence in first few months to ensure compliance is maintained

\*Utilize Consequence-driven Cyber Informed Engineering (CCE) concepts and Failure Mode Effects Analysis



# **Non-Compliance Issues**

Ensure both SME & Management Involvement along with Sense of Urgency







### **REPORTING**

#### **Tailor Reporting & Measurement to the Audience**

- Board
- Executives
- Directors
- Business Areas
- Company Compliance Committee and/or Affiliate reporting to parent company



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### **CURRENT ACTIVITIES**

Impact to Compliance
Additions/changes to systems
Additions/changes to people
Additions/changes to facilities
Additions/changes to standards



#### **NON-COMPLIANCE**

Types of issues?

How discovered?

How bad is it (extent of condition)

Are there any patterns or trends?

What penalties are anticipated?



#### **HORIZON & LONG-TERM FORECAST**

New/revised standards

Leveraging frameworks for regulation & vice versa Sustainability – expanding validation/assurance



