

# CYBERSECURITY AND PHYSICAL SECURITY CONVERGENCE

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# Cybersecurity and Infrastructure Security Agency (CISA)

## VISION

Secure and resilient  
infrastructure for the  
American people.

## MISSION

CISA partners with industry and  
government to understand and  
manage risk to our Nation's  
critical infrastructure.



## OVERALL GOALS

### GOAL 1

#### DEFEND TODAY

Defend against urgent  
threats and hazards

seconds | days | weeks

### GOAL 2

#### SECURE TOMORROW

Strengthen critical  
infrastructure and  
address long-term risks

months | years | decades

# Our Work

The Cybersecurity and Infrastructure Security Agency (CISA) works with partners to defend against today's threats and collaborating to build more secure and resilient infrastructure for the future



PARTNERSHIP  
DEVELOPMENT



INFORMATION AND  
DATA SHARING



CAPACITY BUILDING



INCIDENT  
MANAGEMENT  
& RESPONSE



RISK ASSESSMENT  
AND ANALYSIS



NETWORK DEFENSE



EMERGENCY  
COMMUNICATIONS

# The Significance of Critical Infrastructure

Critical infrastructure refers to the assets, systems, and networks, whether physical or cyber, so vital to the Nation that their incapacitation or destruction would have a debilitating effect on **national security, the economy, public health or safety, and our way of life.**



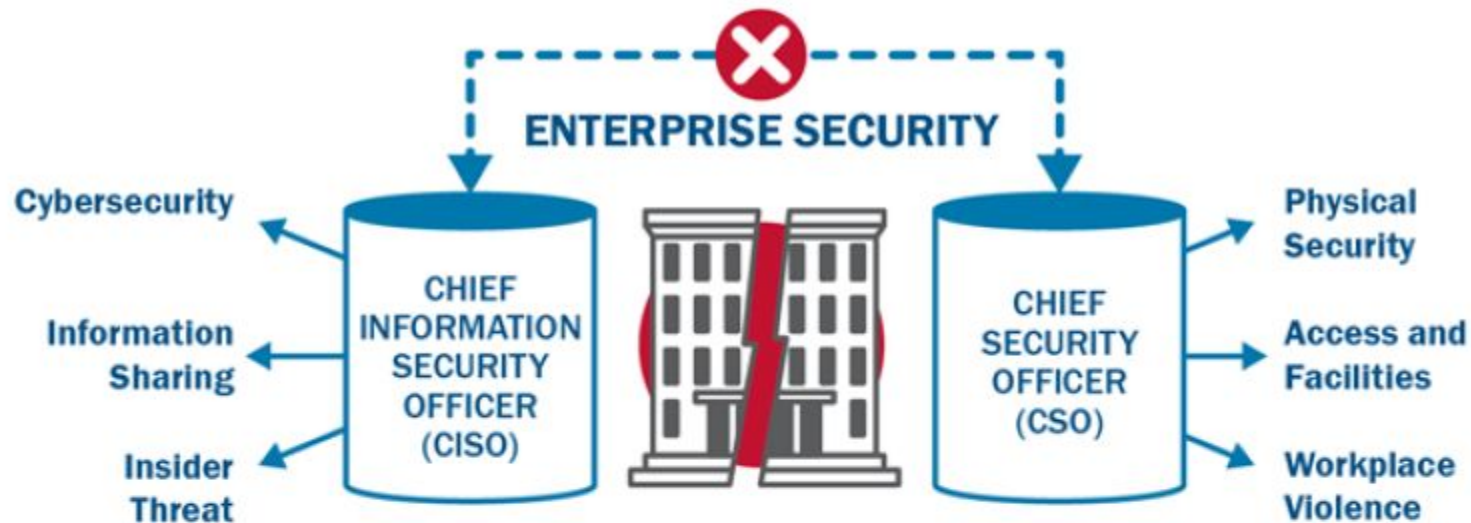
# Serving Critical Infrastructure

## 16 Critical Infrastructure Sectors & Corresponding Sector Risk Management Agencies

 CHEMICAL	CISA	 FINANCIAL	Treasury
 COMMERCIAL FACILITIES	CISA	 FOOD & AGRICULTURE	USDA & HHS
 COMMUNICATIONS	CISA	 GOVERNMENT FACILITIES	GSA & FPS
 CRITICAL MANUFACTURING	CISA	 HEALTHCARE & PUBLIC HEALTH	HHS
 DAMS	CISA	 INFORMATION TECHNOLOGY	CISA
 DEFENSE INDUSTRIAL BASE	DOD	 NUCLEAR REACTORS, MATERIALS AND WASTE	CISA
 EMERGENCY SERVICES	CISA	 TRANSPORTATIONS SYSTEMS	TSA & USCG
 ENERGY	DOE	 WATER	EPA



# THE PROBLEM: SILOED SECURITY FUNCTIONS



- ❌ Security functions operate independently with limited collaboration on enterprise-wide risks.
- ❌ Senior leaders and teams lack visibility of interconnected physical and cyber assets.
- ❌ Lines of communication are unclear and impede coordination and collaboration.
- ❌ Organization is unable to quickly identify, prevent, and respond to complex threats.



# ORGANIZATIONAL SOLUTION: CONVERGED SECURITY FUNCTIONS



# BENEFITS OF CONVERGENCE





# FINAL STATEMENT

To achieve Puerto Rico's energy security goals, a critical hurdle to collectively overcome in 12 months is the siloed security functions. We need to integrate both worlds by converging security functions. View and manage cyber and physical security as one.





# HOW CISA CAN HELP?

Our role, as the America's Cyber Defense Agency, we serve as the National Coordinator for critical infrastructure security and resilience, leading the effort to understand, manage, and reduce risk to the cyber and physical infrastructure that Americans rely on every hour of every day.

Provide guidance, awareness and training to the top management, technical personnel and end users to better understand the concept of security convergence and the risks of not implementing it.

[www.cisa.gov/ics](http://www.cisa.gov/ics)

[www.cisa.gov/stopransomware](http://www.cisa.gov/stopransomware)

# Questions?

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