



# CYBERSECURITY AND INFRASTRUCTURE SECURITY



## WHO WE ARE

The Cybersecurity and Infrastructure Security Agency (CISA) works with partners to defend against today's threats and collaborating with industry to build more secure and resilient infrastructure for the future. CISA is at the heart of mobilizing a collective defense to understand and manage risk to our critical infrastructure and associated National Critical Functions. Our partners in this mission span the public and private sectors. The programs and services we provide are driven by our comprehensive understanding of the risk environment and the corresponding needs identified by our stakeholders. We seek to help organizations better manage risk and increase resilience using all available resources, whether provided by the federal government, commercial vendors, or their own capabilities.

## OUR WORK



### PARTNERSHIP DEVELOPMENT

CISA fosters innovative and collaborative partnerships that enable stakeholders in the government and the private sector to make informed and voluntary risk management decisions and investments.



### INFORMATION AND DATA SHARING

CISA shares information with critical infrastructure partners and serves as the national hub for cybersecurity and communications information, physical threats like bombings and active shooter situations, and data sharing in near-real time.



### CAPACITY BUILDING

CISA provides capacity building, technical assistance, tools, exercises, training programs, and awareness efforts that improve understanding of common risks and possible mitigation strategies for the critical infrastructure community.



### INCIDENT MANAGEMENT & RESPONSE

CISA serves as the federal lead for cyber incident response activities with the private sector, state, local, tribal and territorial governments (SLTT), and federal agencies. CISA also coordinates with public and private sector partners to support National Security Special Events like the Super Bowl and offers risk management strategies to help stakeholders manage the consequences of emerging and future risks.



### RISK ASSESSMENT AND ANALYSIS

CISA collects and analyzes risk data to inform and prioritize risk management activities to prioritize critical infrastructure and associated National Critical Functions.



### NETWORK DEFENSE

CISA uses processes, tools, and technologies to assess cyber and physical threats to people and property, and the potential consequences of those threats.



### EMERGENCY COMMUNICATIONS

CISA enhances public safety interoperable communications at all levels of government.





## OUR ROLE IN CYBERSECURITY

CISA leads a collaborative effort to assure the security, resilience, and reliability of the nation's cyber systems. We drive national efforts through collaboration with private sector, academia, and government partners to build a diverse cyber workforce, foster development and use of secure technologies, and promote best practices.

CISA detects and prevents cybersecurity risks where possible by sharing information, deploying detective and preventative technologies, publishing technical products and guidance, and providing incident response and "hunt" capabilities to minimize impacts of identified incidents and an evolving threat landscape. To raise the federal cybersecurity baseline, CISA provides critical infrastructure, SLTT governance and capability-building services, information and assistance to enable more comprehensive cybersecurity risk management of critical functions.



## OUR ROLE IN INFRASTRUCTURE SECURITY

CISA is responsible for helping safeguard the Nation's critical infrastructure and public gatherings by enhancing stakeholder capacity to mitigate risks. As the physical and cyber worlds converge, CISA leverages an integrated approach to security by working with businesses, communities, and government at every level to help make the nation's critical infrastructure more resilient to cyber and physical threats. CISA coordinates the national effort to manage physical risks to critical infrastructure, emphasizing cost effective and easily implementable protective measures that mitigate a multitude of threats, including those associated with targeted violence and domestic violent extremists, and collaborates across government and private sector stakeholders that own or operate the majority of critical infrastructure in the Nation.



## OUR ROLE IN EMERGENCY COMMUNICATIONS

CISA supports and promotes communications used by emergency responders and government officials to keep America safe, secure, and resilient. CISA leads the Nation's operable and interoperable public safety and national security and emergency preparedness (NS/EP) communications efforts.

CISA provides training, coordination, tools, and guidance to help its federal, state, local, tribal, territorial, and industry partners develop their emergency communications capabilities. CISA's programs and services coordinate emergency communications planning, preparation, and evaluation to ensure safer, better-prepared communities nationwide.



## OUR ROLE IN RISK MANAGEMENT

CISA collects and analyzes risk information to identify and prioritize risk management activities. CISA develops risk management strategies which strengthen critical infrastructure and address risks to the National Critical Functions, both emerging and long term. Initiatives include: Election Security and Resilience; Information and Communication Technologies Supply Chain Risk Management; Fifth Generation (5G) of Mobile Networks; cybersecurity for Electromagnetic Pulse and Geomagnetic Disturbance, Positioning, Navigation, and Timing, and Pipeline Cybersecurity.



## OUR ROLE IN INTEGRATED OPERATIONS

CISA delivers services to enable stakeholders and partners across the critical infrastructure community to improve the Nation's security and resilience. CISA consolidates and coordinates timely dissemination of cyber and physical threat information; provides incident specific intelligence context and products to support decision making; and through 10 Regional hubs, provides the delivery of CISA programs and services to support stakeholders as they work to prepare, respond, recover, and mitigate the effects of incidents.



## OUR ROLE IN STAKEHOLDER ENGAGEMENT

CISA fosters innovative and collaborative partnerships that enable stakeholders in government and the private sector to make informed and voluntary risk management decisions and investments. The agency seeks to increase the Nation's readiness through multi-channel communication efforts that build public trust and understanding so stakeholders and the American public respond favorably when called to act.