National Cybersecurity & Communications Integration Center (NCCIC)

Overview

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Introduction to the NCCIC

•Within the Federal government, the U.S. Department of Homeland Security (DHS) is responsible for overseeing the protection of the .gov domain and for providing assistance and expertise to private sector owners and operators.

• DHS also has the responsibility for coordinating the national response to significant cyber and communications incidents and for creating and maintaining a common operating picture.

• At the forefront of DHS' cybersecurity and communications mission is the National Cybersecurity and Communications Integration Center (NCCIC)

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The NCCIC

NCCIC Mission

The NCCIC leads national efforts to analyze threats to critical cyber and communications infrastructure, develop shared situational awareness across a broad set of partners and constituents, and lead the National response to cybersecurity and communications incidents while protecting the Constitutional and privacy rights of Americans.

NCCIC Vision

To maintain a world class cybersecurity and communications operational capability that leverages and supports a framework of trusted partners and constituents to reduce risk to critical infrastructure.

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NCCIC Aims to:

- **Create shared situational awareness among public sector, private sector, and international partners by collaboratively developing and sharing timely and actionable information;**

- **Analyze threats and vulnerabilities and coordinate findings with partners to reduce risk to critical infrastructure; and**

- **Rapidly respond to routine and significant incidents to mitigation malicious activity, manage significant situations, and support recovery efforts.**

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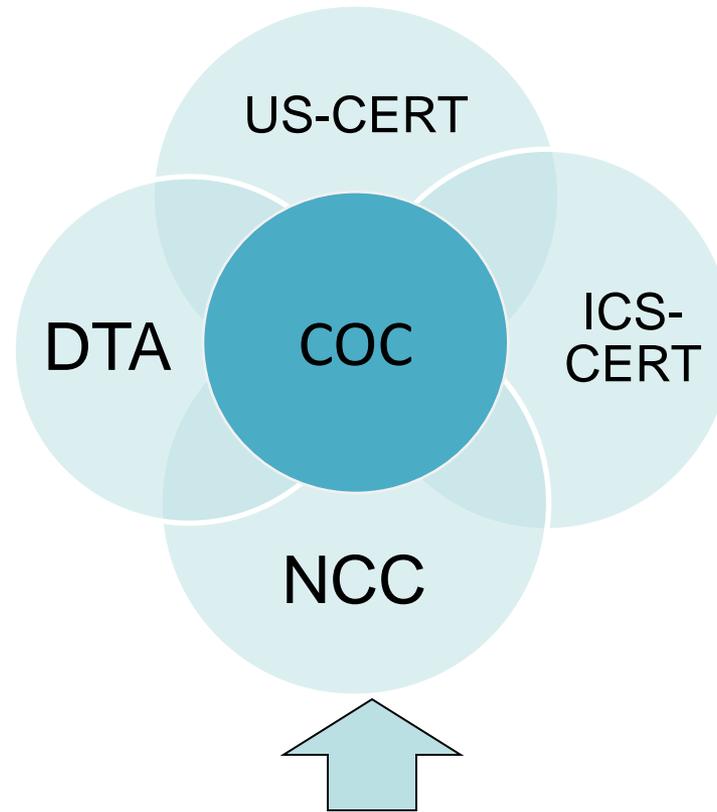
NCCIC's 6 Branches

NCCIC's 6 Functional Branches

- **United States Computer Emergency Readiness Team (US-CERT)**
  - provides advanced analytical expertise to incident response efforts and analyzes information from multiple sources to develop timely and actionable alert and warning products for other federal departments and agencies, states and localities, and the private sector

- **Industrial Control Systems Cyber Emergency Response Team (ICS-CERT)**
  - provides advanced analytical expertise to incident response efforts and analyzes information from multiple sources to develop timely and actionable alert and warning products for other federal departments and agencies, states and localities, and the private sector

- **National Coordinating Center or Telecommunications (NCC)**
  - leads and coordinates the initiation, restoration, and reconstitution of the National Security/Emergency Preparedness (NS/EP) telecommunications services or facilities under all conditions

- **NCCIC Cyber Operations Center (COC)**
  - coordinates analysis, information sharing, and incident response activities for cybersecurity and communications incidents and activity to ensure effective synchronization across capabilities.

- **Discovery and Technical Analysis (DTA)**
  - performs comprehensive and cutting edge analysis on digital media to identify, assess, and report on new malicious cyber activity

- **Mission Management (MM)**
  - directly supports NCCIC through performance management, recommendations and communications to continuously improve operational outcomes.

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Working in Unison with Partners

• **The NCCIC relies heavily on the voluntary coordination and collaboration, capabilities and resources of its partners.**

• **The center works closely with those federal departments and agencies responsible for securing the government's cyber and communications systems.**

• **The NCCIC also actively engages with the private sector, state, local, tribal, and territorial governments, and international partners deeply.**

• **These groups work together to protect the portions of critical information technology that they own, operate, manage, or with which they interact.**

• **The stakeholders represent natural communities of practice providing the foundation for effective information sharing and response.**

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NCCIC's Partners

- **Federal Organizations and Cybersecurity Centers**
  - –**The NCCIC closely coordinates with its federal partners that are focused on securing the federal information infrastructure, integrating cyber center information to provide cross-domain situational awareness, analysis, and reporting on the composite state of U.S. cyber networks and systems.**

- **Private Sector and Critical Infrastructure Owners and Operators**
  - –**The NCCIC works closely with the private sector to manage and understand cyber risk to critical infrastructure — for example, risk associated with industrial control systems — and to better understand risk to those government networks which are reliant on private sector information systems and technologies**

- **State, Local, Tribal, and Territorial Governments**
  - –**Information technology systems are increasingly integrated, and a shared interest exists among federal, state, local, tribal, and territorial governments in working together to support cybersecurity efforts. Steady state coordination and communication across government at all levels facilitates overarching situational awareness and the sharing of technical information that strengthen the national cyber risk posture.**

- **International Partnerships**
  - – **The NCCIC works collaboratively with International partners, in concert with other departments and agencies, to build and maintain the mutually supporting relationships required to secure the globally interconnected cybersecurity and communications arena.**

- **The Cyber Unified Coordination Group (UCG)**
  - –**The Cyber UCG is comprised of senior and staff level representatives from federal departments and agencies, state and local governments, and private sector critical infrastructure stakeholders**

- **The National Security Staff Cyber Response Group (NSS CRG)**
  - –**The NSS CRG is a White House led Assistant Secretary level interagency policy coordination group that coordinates policy related issues for the National Security Council and the Homeland Security Council review as outlined in Presidential Policy Directive-1**

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QUESTIONS?

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