Broadcast
Cable
Satellite
Wireless
Wireline

Communications Sector Coordinating Council 2020

MOVING SECURITY FORWARD

CSCC

COMMUNICATIONS SECTOR COORDINATING COUNCIL

ABOUT US.

Chartered in 2005, the Communications Sector Coordinating Council (CSCC) coordinates industry engagement with the U.S. government on cyber and infrastructure security.

SCOPE OF THE PROBLEM

Supply chain attacks **increased by 78%** between 2017 and 2018.
(SOURCE: SYMANTEC)

Damages from cybercrime are projected to reach **$6 TRILLION annually** by 2021.
(SOURCE: HERJAVEC GROUP)

64 BILLION IoT devices are expected to flood the ecosystem by 2025.
(SOURCE: BUSINESS INSIDER)

SECURING THE SUPPLY CHAIN

Supply chain risk management (SCRM) is a key component of cybersecurity to prevent and mitigate information, communications, and technology (ICT) vulnerabilities. CSCC engages across federal agencies to promote concerted efforts and a consistent approach to supply chain risk management.

▸ Co-lead Department of Homeland Security (DHS) ICT SCRM Task Force, delivering tangible outputs:
  • *Information Sharing Report.*
  • *Inventory of Supply Chain Related Standards.*
  • *Inventory of Threats.*
  • *Report on Qualified Bidder Lists and Qualified Manufacturer Lists.*
  • *Policy Recommendations for ICT purchases.*
▸ Contribute to National Telecommunications and Information Administration Software Component Transparency Working Group.
▸ Participate in Federal Communications Commission (FCC), Defense, and Commerce Department proceedings to develop rules for securing the ICT supply chain.

NRMC TRI-SECTOR EXECUTIVE WORKING GROUP

Operating since 2014 and chartered in 2018, this organization consists of senior industry representatives from the communications, financial services, and electricity sectors and senior government representatives from the DHS and Treasury and Energy Departments.

▸ Contribute insights to intelligence collection requirements.
▸ Build cross-sector incident response playbooks.
▸ Improve understanding of systemic risks that might impact all three sectors.

NSTAC

The President's National Security Telecommunications Advisory Committee (NSTAC) advises the U.S. government on national security and emergency preparedness. CSCC members AT&T, CenturyLink, Ericsson, Harris Corporation, Iridium, and Neustar participate on the NSTAC, and AT&T serves as CSCC's liaison.

▸ ICT Ecosystem Resiliency Report (2019)
▸ Cybersecurity Moonshot Report (2018)

ASSESSING NATIONAL CRITICAL FUNCTIONS

The NRMC launched an effort across all critical infrastructure sectors to identify and validate a list of National Critical Functions (NCFs) — the functions of government and the private sector so vital that their disruption, corruption, or dysfunction would debilitate security, national economic security, national public health or safety, or any combination thereof.

▸ Partner with CISA to develop the NCFs.
▸ Provide industry insights to analyze and model risk.

BOTNET AND IOT SECURITY

Through multi-stakeholder venues such as the Council to Secure the Digital Economy (CSDE), coordinated by USTelecom and the Consumer Technology Association™, CSCC members have produced landmark guidance for fighting botnets and developing secure IoT devices, which they update annually.

▸ CSDE Botnet and IoT Security Guide: Recognized by UN Internet Governance Forum among the world's highest impact cybersecurity initiatives.
▸ CSDE C2 Consensus: Leading industry consensus on IoT security worldwide and endorsed by 20 major technology organizations.
▸ CTIA IoT Certification: CSCC member companies coordinated by association member CTIA developed the first industry IoT Cybersecurity Certification Program.

5G

Wireless carriers are preparing to transition to the 5th generation of wireless technology (5G) in the years ahead, and CSCC members are uniquely positioned to understand and mitigate security risks.

▸ Support CISA analysis of 5G Risks, resulting in 2019 report.
▸ Partner with CISA on mitigation efforts to ensure the opportunities of 5G are realized.

For more information visit comms-scc.org

COMM-ISAC

The Communications-Information Sharing and Analysis Center is the operational arm of the sector. Its goal is to avert or mitigate impacts upon telecommunications infrastructure so that communication networks remain operational, and it serves as a clearinghouse for physical and cyber alerts to the telecommunications industry. We meet with our CISA/NCC partners and each other on a weekly basis, which has proven to substantially increase our overall response and recovery capabilities.

▸ Cultivate close relationships with ISACs of like-minded countries, notably Japan.

▸ Participate on National Council of ISACs Capitol Hill panel to educate policymakers.

▸ **Incident Response Planning and Exercises.** Responding to a cyber or physical incident requires extensive collaboration with partners in government, other industries, and global counterparts. CSCC members participate through the Comm-ISAC extensively in exercises to better understand interdependencies and mitigate risks.

▸ Plan and help develop the scenario for DHS Cyber Storm 2020.

▸ Partner with energy sector for Department of Energy ClearPath VII.

▸ Coordinate with Federal Emergency Management Agency on Regional Emergency Communications.

▸ CSDE Cyber Crisis Report contains blueprints for response to 12 major cyber events.

CSRIC V

The Communications Security, Reliability, and Interoperability Council (CSRIC) makes recommendations to the FCC to promote resiliency of communications systems. CSCC members have figured prominently in leadership and contributory roles in each of the CSRIC Working Groups.

▸ WG1: Transition Path to NG911.

▸ WG2: Comprehensive Re-Imagining of Emergency Alerting Report.

▸ WG3: Network Reliability and Security Risk Reduction.

PROMOTING THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST) CYBERSECURITY FRAMEWORK (CSF)

The Framework provides voluntary guidance, based on existing standards, guidelines, and practices for organizations to better manage and reduce cybersecurity risk. The CSCC led a landmark effort to implement the Framework in the communications sector.

CSCC MEMBER COMPANIES

3U Technologies

American Cable Association

Association for International Broadcasting

ATIS

AT&T

CableLabs

CenturyLink

Charter Communications

Cincinnati Bell

Comcast

Competitive Carriers Association

CompTIA

Computer Sciences Corporation

Consolidated Communications

Consumer Technology Association

Cox Communications

CTIA - The Wireless Association

Ericsson

Fair Point Communications

Frontier Communications

General Dynamics Information Technology

Harris Corporation

Hubbard Radio

Hughes Network Systems

iconectiv

Independent Telephone & Telecommunications Alliance

Internet Security Alliance

Iridium

Juniper Networks

Level 3 Communications

National Association of Broadcasters

NCTA - The Internet & Television Association

Neustar

North American Broadcasters Association

Nsight Telservices

NTCA–The Rural Broadband Association

NTT America

Pioneer Telephone Cooperative

Satellite Industry Association

Sprint

Telecommunications Industry Association

Telephone and Data Systems, Inc.

T-Mobile

U.S. Cellular

USTelecom - The Broadband Association

Utilities Telecom Council

Verizon

ViaSat

Windstream

WTA – Advocates for Rural Broadband

For more information visit www.comms-scc.org

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