The Reach of
Information Sharing and Analysis Centers

Introduction

The Information Sharing and Analysis Centers (ISACs) that make up the National Council of ISACs (NCI) collect and analyze cyber and physical threat intelligence, sharing this vital information with member companies in their particular sectors. ISACs also track incidents in their sectors, participate in operational responses to incidents, and provide their members with mitigation resources.

Formed in response to Presidential Decision Directive 63 (1998) and Homeland Security Presidential Directive 7 (2003), sector-based ISACs support a large majority of private critical infrastructure in the United States. Many ISACs also support critical infrastructure sectors in Australia, Canada, Europe, and other countries closely allied with the U.S.

Each ISAC is capable of sharing information on threats and mitigation strategies widely across their sectors through various means of communication. ISACs also have the capabilities to determine the situational status of their members. And, because they are member-driven organizations, ISACs are the most effective mechanisms for communicating with critical infrastructure owners and operators. Most are governed by boards and have collaborative relationships with their Sector-Specific Agencies (SSA), other federal agencies, and their Sector Coordinating Councils (SCC).

The NCI was formed in 2003 as a coordinating body designed to maximize information flow across the private sector critical infrastructures and with government.

Critical infrastructure sectors and subsectors that do not have ISACs are invited to contact the NCI to learn how they can participate in NCI activities.

For more information on the NCI and the ISACs, please visit www.nationalisacs.org.

Reach of ISACs

As the descriptions below demonstrate, the reach of the ISACs across various critical infrastructure sectors is extensive.

- *Automotive ISAC*: The Auto-ISAC was established by automotive manufacturers and suppliers in 2015. Ninety-eight percent of vehicles on the road in the United States are represented by member companies in the Auto-ISAC.

- *Aviation ISAC*: Formed in 2014, the A-ISAC includes global airlines, aircraft manufacturers, suppliers, equipment, service, technology and infrastructure providers, and private sector companies engaging in aviation as their primary business.

- ***Communications ISAC:*** The DHS National Coordinating Center/Comm-ISAC members include communications equipment and software vendors, wire line communications providers, wireless (including satellite) communications providers, and Internet Service Provider backbone networks. The membership represents 100% of the sector.

- ***Defense Industrial Base ISAC***: The defense industrial base sector is a worldwide industrial complex dealing with research and development, design, production, delivery, and maintenance of military weapons systems. DIB-ISAC's membership includes small and mid-sized DIB companies.

- ***Defense Security Information Exchange***: DSIE membership includes defense industrial base and other relevant participants of 70+ companies who together represent a combined annual revenue of over $1.16 trillion.

- ***Downstream Natural Gas ISAC***: About 20% of natural gas utility companies are DNG-ISAC members. DNG-ISAC also coordinates closely with the Electricity ISAC to share information back and forth between electric, combination (natural gas and electric), and natural gas utilities.

- ***Emergency Management and Response ISAC***: The EMR-ISAC represents roughly 74,000 members of the Emergency Services Sector (ESS). The ESS is comprised of first responders from emergency management, fire and emergency medical services, hazardous materials teams, law enforcement, bomb squads, tactical operations/special weapons assault teams, search and rescue, and public works.

- ***Electricity ISAC***: The E-ISAC, in collaboration with the Department of Energy and the Electricity Subsector Coordinating Council, serves as the primary security communications channel for the electricity sector, and enhances the sector's ability to prepare for and respond to cyber and physical threats, vulnerabilities, and incidents.

- ***Financial Services ISAC***: The FS-ISAC has about 7,000 members in 38 countries. Members include banks, credit unions, insurance, broker-dealers, asset managers, payment processors, credit card companies, exchange/clearing houses, and associations. The FS-ISAC's reach varies by type of financial institution with the highest coverage being 80% of US commercial banks and 90% of US bank assets.

- ***Healthcare Ready:*** Healthcare Ready facilitates information sharing before, during, and after events impacting public health. Its network includes companies and associations spanning healthcare supply chains, non-profit organizations, and trusted relationships with emergency management agencies and public health departments at all levels of government.

- ***Information Technology ISAC***: Through its members, the IT-ISAC reaches 90% of all desktop operating systems, 85% of all databases, 76% of the global microprocessor market, 85% of all routers, and 65% of software security.

- ***Maritime ISAC***: The Maritime Security ISAC membership covers ocean carriers, cruise lines, port facilities and terminals, logistics providers, importers, exporters, and related maritime industries throughout the world. The ISAC covers approximately 40% of the industry.

- *Multi-State ISAC*: Membership of MS-ISAC includes all 50 states, the five U.S. territories, the District of Columbia, and many local governments. Local government members represent 47% of the U.S. population.

- *National Health ISAC*: NH-ISAC membership includes healthcare providers, public health providers, pharmaceutical organizations, biotech companies, laboratories, health insurers, medical device manufacturers, long-term care facilities, and more.

- *Oil and Natural Gas ISAC*: ONG-ISAC represents oil and natural gas companies (both private and public) in North America. This includes integrated oil companies, natural gas companies, and upstream, mid-stream, and down-stream companies.

- *Over-the-Road Bus ISAC*: Founded in 2013, the OTRB ISAC works closely with the PT and ST ISACs to share and provide threat intelligence to the transportation sector. The OTRB-ISAC has nearly 300 member companies.

- *Public Transportation ISAC*: In partnership with the Department of Transportation, the American Public Transportation Association (APTA) created the PT-ISAC. APTA's members serve more than 90% of persons using public transportation in the United States and Canada; PT-ISAC's member represent approximately 75% of the industry.

- *Real Estate ISAC*: The RE-ISAC was organized by The Real Estate Roundtable in February 2003, and is supported by ten organizations serving commercial facilities and commercial real estate critical infrastructure.

- *Research and Education Networking ISAC*: REN-ISAC directly serves approximately 25% of the research networking and higher education community. This includes 460 institutional members and over 1,400 member representatives, with automated threat intelligence, incident response, and active community forums. REN-ISAC also provides certain services to the entire sector.

- *Retail CISC*: New in 2015, the Retail Cyber Intelligence Sharing Center has 50 members from public assembly, sports leagues, gaming, lodging, entertainment and media, retail, grocery, and restaurant industries.

- *Supply Chain ISAC*: The SC-ISAC facilitates communication and collaboration among supply chain dependent industry stakeholders. With roughly 1,400 members, SC-ISAC has access to 15% of the industry.

- *Surface Transportation ISAC*: In 2002, at the request of the Secretary of Transportation, the Association of American Railroads created the ST-ISAC. The ST-ISAC supports 95% of the North American freight railroad infrastructure.

- *Water ISAC*: Established in 2002, WaterISAC provides physical and cyber security information and mitigation resources to water and wastewater utilities that provide services to more than 75% of the American population. WaterISAC membership also includes utilities Canada and Australia.