



National Infrastructure Simulation and Analysis Center (NISAC)



DEFEND TODAY,
SECURE TOMORROW

CISA’s premier center for risk analysis capability building, NISAC focuses on developing advanced analytic tools that provide comprehensive, quantitative, and actionable information to enhance understanding of how to manage risks from a variety of threats to the Nation’s Critical Infrastructure (CI).

NISAC OVERVIEW

Over the past decade, the threat landscape has dramatically changed and the interdependencies between cyber and physical infrastructure have heightened the risk to our national security. NISAC’s mission is to develop capabilities that inform risk decisions and move the needle on CI risk analysis support for the Nation.

Investments in the development of datasets, methodologies, models, and analytic tools mature CISA’s risk analysis capabilities and empower CI decision makers with actionable and forward-looking information. NISAC-managed projects address analytic requirements across the CI community.

NISAC is a statutorily authorized program under 6 USC 321.

Using a multidisciplinary approach that covers all 55 National Critical Functions (NCF) and 16 CI sectors, NISAC focuses on challenges posed by functional and cross-sector interdependencies and consequences of disruption from various threats, hazards, and vulnerabilities.

PUTTING NISAC INVESTMENTS TO WORK

- **Analyzing interdependencies** – to look beyond individual risk models, better addressing the need for cyber-physical CI dependency capabilities.
- **Building on previous investments** – expanding models and datasets to new threats, hazards, and use cases.
- **Advancing research and development** – developing and enhancing data and analytic methodologies.
- **Integrating tools and capabilities** – streamlining the user experience to make NISAC tools more accessible and easier to use.



NISAC SUPPORTS CI RISK MANAGEMENT BY:

- Analyzing complex vulnerabilities and cascading consequences through connected systems.
- Evolving understanding of cyber impacts on physical infrastructure systems and assets.
- Modeling of natural and human-driven threats to critical infrastructure and critical functions.
- Providing consequence estimates to support real-time analysis of cyber threats to federal networks.
- Addressing analytic gaps and emerging threats by improving risk analysis support to CI sector stakeholders.

NISAC makes significant and impactful investments across a diverse group of research organizations to meet the analytic needs of the CI community and address cross-sector emerging risks.

For more information, visit <https://www.cisa.gov/NISAC> or contact NRMC-NISAC@hq.dhs.gov.