ABOUT THIS GUIDE

The Cybersecurity Resources Road Map is designed to help critical infrastructure small and midsize businesses identify useful cybersecurity resources to meet their needs.

The road map comprises four tiers and two questions in each tier. Each question introduces a topic and a few related resources.

The tiers reflect degrees of cybersecurity sophistication. In general, companies that have well-developed cyber capabilities will find the resources in the higher tiers most appropriate, while companies that have less sophisticated cyber capabilities will likely focus on the lower tiers.

However, the best approach is to consider all the questions and all the resources in view of the organization's objectives and assessment of risk.

ADDITIONAL RESOURCES

The U.S. Department of Homeland Security’s National Protection and Programs Directorate leads the national effort to protect and enhance the resilience of the Nation’s physical and cyber infrastructure. To learn about additional resources beyond those recommended in this guide, visit: https://www.dhs.gov/topic/cybersecurity.

The tier structure presented in this guide generally reflects the Cybersecurity Framework, which was developed by the National Institute of Standards and Technology. For information, visit: https://www.nist.gov/cyberframework.
TIER 1
Have you communicated the importance of cybersecurity to your business?

cybersecurity-tipsheets
- Cybersecurity Tip Sheets (DHS) https://www.us-cert.gov/ncas/tips

Has your business begun to follow basic cybersecurity best practices?

- Factsheet: Cyber Incident Reporting (DHS) https://www.dhs.gov/cyber (Run a search for “cyber incident reporting”)

TIER 2
Are you implementing a leadership-driven, company-wide cybersecurity program?

- Cybersecurity Framework (NIST) https://www.nist.gov/cyberframework
- Cybersecurity Education and Training Catalog (DHS) https://niccs.us-cert.gov/training

Have you integrated cybersecurity with risk management processes?


TIER 3
Are you evaluating your cybersecurity posture and capabilities?

- Cybersecurity Assessments (DHS) (Provided to critical infrastructure on a priority basis) Call 888-282-0870 or email nicccustomerservice@hq.dhs.gov or cyberadvisor@hq.dhs.gov
- Cyber Tabletop Exercise for SMBs (DHS) Call 888-282-0870 or email nicccustomerservice@hq.dhs.gov

Are you participating in an information sharing forum to gain insights and strategies?

- Information Sharing and Analysis Centers (National Council of ISACs) https://www.nationaliscas.org/
- Information Sharing and Analysis Organizations (ISAAC Standards Organization) https://www.isaac.org/
- Secure Information Sharing Portal (DHS) Call 888-282-0870 or email nicccustomerservice@hq.dhs.gov
- Cyber Tabletop Exercise for SMBs (DHS) Call 888-282-0870 or email nicccustomerservice@hq.dhs.gov

Note: Professional business organizations also offer cyber information sharing opportunities.

TIER 4
Have you trained your staff to prevent, detect, and respond to cyber incidents?

- Industrial Control System Training Classroom and online courses (DHS) https://ics-cert.us-cert.gov
- Cybersecurity Education and Training Catalog (DHS) https://niccs.us-cert.gov/training
- NICE Cybersecurity Workforce Framework (NIST) https://niccs.us-cert.gov/workforce-development (Click on Training)

Are you utilizing cyber defense technologies to support your operation?

- Automated Indicator Sharing (DHS) (Threat indicator exchange in near real-time) https://www.dhs.gov/ais
- Cyber Information Sharing and Collaboration Program (DHS) (Threat indicator exchange plus trusted analysis) https://www.dhs.gov/ciscp
- Enhanced Cybersecurity Services (Commercial intrusion prevention capabilities) https://www.dhs.gov/assessments
Note: ISACs and ISAOs provide access to cyber defense technologies as well.