SANS SCADA Summit

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Homeland Security

National Cyber Security Division Control Systems Efforts

Goal

Reduce Cyber Risk to Critical Infrastructure Control Systems

Key Objectives

Provide Guidance

- *Outreach & Awareness*
- *Risk Reduction Products*
- *Technology Assessments*

Foster Partnerships

- *Government*
- *Industry*
- *Academia*
- *International*

Prepare & Respond

- *Situational Awareness*
- *Scenario Development*
- *Vulnerability & Threat*
- *Incident Analysis & Response*

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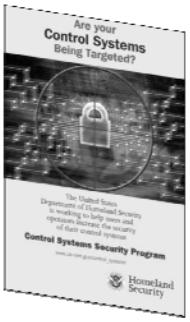
Provide Guidance



Risk Reduction Products

- Self-assessment tool (CS2SAT)
- Recommended practices
- Cyber Security Procurement Language for Control Systems
- Catalog of Control System Security: Recommendations for Standards Developers

Technology Assessments

- Provide vendors and asset owners with recommendations on how to better secure their products and/or sites

Outreach & Awareness

- Training Courses
- International collaboration and information sharing
- Website (www.us-cert.gov/control_systems)

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3

Foster Partnerships

Industry

- Process Control System Forum (PCSF) (www.pcsforum.org)
- Control Systems Cyber Security Vendors Forum
- Sector Coordinating Councils
- Industry associations
- SANS

Government

- Federal, state (MS-ISAC), local, and international

Academia

- Curriculum for university courses
- I3P projects

International

- International standards support
- Coordinating efforts with allies (e.g., Australia, Canada, UK, New Zealand)

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4

Prepare & Respond

Situational Awareness

- Weekly and quarterly analysis of Common Vulnerabilities & Exposures, requests for information, special topical reports for US-CERT

Incident Analysis & Response

- Website (www.us-cert.gov/control_systems) for incident, vulnerability, and threat reporting, as well as informational sharing
- Operational response analysts integrated with the US-CERT Security Operations Center
- Engagement in national exercises, including Cyber Storm II

Scenario Development

- Postulate cyber attacks on control systems

Vulnerability Analysis

- Assess malware and vulnerabilities for potential impacts on critical infrastructure control systems

5

DHS Control Systems Security Products & Training

- Control Systems Cyber Security Self Assessment Tool (CS2SAT) (http://www.us-cert.gov/control_systems/pdf/CS2SAT.pdf)
- Control Systems Recommended Security Practices (http://csrp.inl.gov/)
- Catalog of Control Systems Security: Recommendations for Standards Developers (http://www.us-cert.gov/control_systems)
- Cyber Security Procurement Language for Control Systems (http://www.msisac.org/scada)
- Securing your SCADA and Industrial Control Systems Pocket Guide - Joint DHS & TSWG recommended practices guide covers administrative controls, architecture design and security technology (http://bookstore.gpo.gov)
- Web-based training: “Cyber Security for Control Systems Engineers & Operators" and “OPSEC for Control Systems” (http://www.us-cert.gov/control_systems/cstraining.html)

6


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