Department of Homeland Security Science and Technology Directorate Cyber Security Division

Ann Cox Ph.D. IMAM Program Manager

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The Office of the National Coordinator for Health Information Technology





























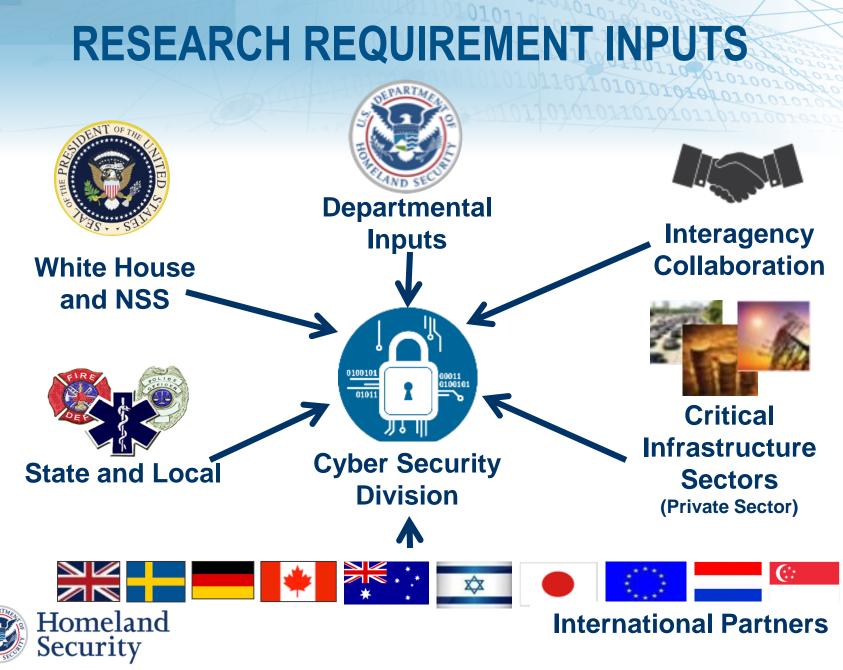






The Broad Homeland Security Enterprise







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CSD Mission & Strategy

REQUIREMENTS



CSD MISSION

- Develop and deliver new technologies, tools and techniques to defend and secure current and future systems and networks
- Conduct and support <u>technology transition</u> efforts
- Provide <u>R&D leadership and coordination</u> within the government, academia, private sector and international cybersecurity community

CSD STRATEGY Network & Trustworthy Cybersecurity Transition and System Cyber Physical Cyber Research Security and Outreach **Systems** Infrastructure Infrastructure Investigations **Outreach Methods (Sampling) Stakeholders** Social Media **Technology Demonstrations** Government **IT Security Companies** Venture Capital Media Outreach **Open Source Speaking Engagements** International **Program Reviews**



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The Future at DHS S&T

S&T'S **VISIONARY** GOALS

- Screening at Speed: Security that Matches the Pace of Life
- A Trusted Cyber Future: Protecting Privacy, Commerce and Community
 - In a future of increasing cyber connections, underlying digital infrastructure will be self-detecting, self-protecting and self-healing. Users will trust that information is protected, illegal use is deterred, and privacy is not compromised. Security will operate seamlessly in the background.
- Enable the Decision Maker: Actionable Information at the Speed of Thought
- Responder of the Future: Protected, Connected, and Fully Aware
- Resilient Communities: Disaster-Proofing Society



2013/2014 Requirements

- 39 Priority Areas with 320+ Focus Areas
- Cybersecurity Research Infrastructure
- Software Assurance
- Network Security
- Mobile, Web, and Cloud Security
- Identity Management and Privacy
- Usability and Metrics
- Cyber Security Education and Training
- Comprehensive National Cybersecurity Initiative (CNCI)
- Securing Critical Infrastructure
- Law Enforcement Needs



References

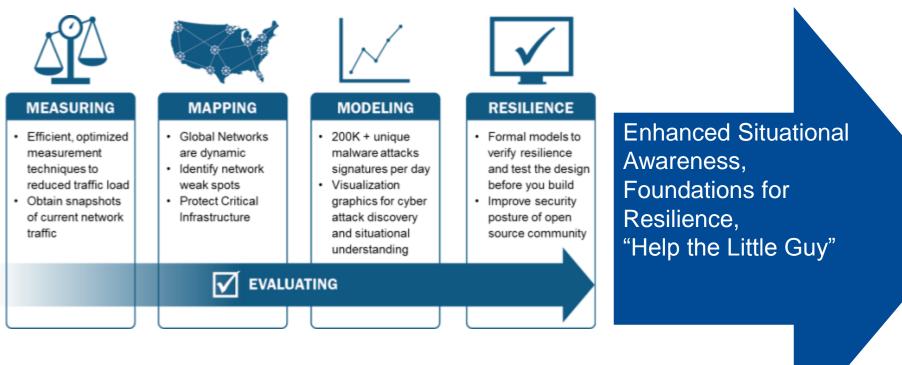
- Cyber Security Division website:
 - http://www.dhs.gov/science-and-technology/csd-resources
- Updated NITRD web site:
 - https://www.nitrd.gov/cybersecurity/
- Science and Technology Directorate Strategic Plan:
 - http://www.dhs.gov/science-and-technology/st-strategicplan



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Ann Cox, Ph.D. IMAM Program Manager Cyber Security Division Homeland Security Advanced Research Projects Agency (HSARPA) <u>ann.cox@dhs.gov</u>



For more information, visit http://www.dhs.gov/cyber-research

