Department of Homeland Security
Science and Technology Directorate
Cyber Security Division

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http://www.dhs.gov/cyber-research
US Federal Cybersecurity Research & Development
RESEARCH REQUIREMENT INPUTS

Departmental Inputs

White House and NSS

State and Local

Cyber Security Division

Interagency Collaboration

Critical Infrastructure Sectors (Private Sector)

International Partners
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 technology transition efforts
  - Provide R&D leadership and coordination within the government, academia, private sector and international cybersecurity community

- **CSD Strategy**
  - Trustworthy Cyber Infrastructure
  - Cybersecurity Research Infrastructure
  - Network & System Security and Investigations
  - Cyber Physical Systems
  - Transition and Outreach

**Stakeholders**
- Government
- Venture Capital
- International

**Outreach Methods (Sampling)**
- IT Security Companies
- Open Source
- Technology Demonstrations
- Speaking Engagements
- Program Reviews
- Social Media
- Media Outreach
 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:

- Updated NITRD web site:
  - https://www.nitrd.gov/cybersecurity/

- Science and Technology Directorate Strategic Plan:
IMAM Portfolio Overview

Enhanced Situational Awareness, Foundations for Resilience, “Help the Little Guy”
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For more information, visit
http://www.dhs.gov/cyber-research