Information Security and Privacy Advisory Board

Cyber Security Issues

George Washington University
December 4, 2008

Agenda

- GAO Cyber Security Focus Areas
- Recent GAO Testimonies and Reports on Cyber Security Issues
- Key Findings and Recommendations

FISMA
- Mandate Report
- Annual Report Analysis
- Information Security Metrics
- VA IS Recruitment and Retention

Emerging Issues
- DOD Cyber Capabilities
- Tax Software Developers and Preparers
- FDCC/TIC/Einstein Initiatives
- Comprehensive National Cybersecurity Initiative
- Contractor Access to Senstitive Data

Cyber Critical Infrastructure Protection
- Cyber Storm
- Cyber Regulations for the Private Sector
- Cyber Analysis and Warning
- Federal Cyber CIP Planning
- National Cybersecurity Strategy

Consolidated Financial Statements
- IRS
- BPD/Federal Reserve
- FDIC
- SEC
- OIGs
- TARP
- FHFA

Critical IT Systems
- Secure Flight
- NASA Systems
- FinCEN Systems
- Federal Control Systems
- DOE Networks and Security
- FDA Postmarket Risk and Analysis System

Recent GAO Testimonies on Cyber Security

- *Nuclear Security: Los Alamos National Laboratory Faces Challenges in Sustaining Physical and Cyber Security Improvements,* GAO-08-1180T, Sep. 25, 2008

- *Critical Infrastructure Protection: DHS Needs to Better Address Its Cybersecurity Responsibilities*, GAO-08-1157T, Sep. 16, 2008

- *Information Security: TVA Needs to Enhance Security of Critical Infrastructure Control Systems and Networks*, GAO-08-775T, May 21, 2008

- *Information Security: Progress Reported, but Weaknesses at Federal Agencies Persist*, GAO-08-571T, Mar. 12, 2008

- *Internet Infrastructure: Challenges in Developing a Public/Private Recovery Plan*, GAO-08-212T, Oct 23, 2007

Recent GAO Reports on Cyber Security

- *Information Technology: Federal Laws, Regulations, and Mandatory Standards for Securing Private Sector Information Technology Systems and Data in Critical Infrastructure Sectors,* GAO-08-1075R, Sep. 16, 2008

- *Information Security: Actions Needed to Better Protect Los Alamos National Laboratory's Unclassified Computer Network*, GAO-08-1001, Sep. 9, 2008

- *Cyber Analysis and Warning: DHS Faces Challenges in Establishing a Comprehensive National Capability,* GAO-08-588, July 31, 2008

- *Information Security: Federal Agency Efforts to Encrypt Sensitive Information Are Under Way, but Work Remains*, GAO-08-525, Jun. 27, 2008

Recent GAO Reports on Cyber Security

- *Information Security: TVA Needs to Address Weaknesses in Control Systems and Networks*, GAO-08-526, May 21, 2008

- *Information Security: SEC Needs to Continue to Improve Its Program*, GAO-08-280, Feb. 29, 2008

- *Information Security: Protecting Personally Identifiable Information*, GAO-08-343, Jan. 25, 2008

- *Information Security: IRS Needs to Address Pervasive Weaknesses*, GAO-08-211, Jan. 8, 2008

- *Critical Infrastructure Protection: Sector-Specific Plans' Coverage of Key Cyber Security Elements Varies*, GAO-08-113, Oct. 31, 2007

Discussion on Key Findings and Recommendations

Contact Information

Gregory C. Wilshusen
Director, Information Security Issues
wilshuseng@gao.gov (202-512-6244)

GAO Web Site: www.gao.gov