

**Critical Infrastructure in 2008:  
A Bibliography of Recent Oversight by  
Congress, GAO, and Inspector General Offices**

by

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Oversight

Money



Vulnerability & Security Breach

**The Homeland Security Roundtable  
Breakfast**

*Securing our Critical Infrastructure:  
Money, Technology, and  
Homeland Security Opportunities*

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**I. Congressional Oversight for Critical Infrastructure**

In the last year, Congress has been applying heightened oversight to critical infrastructure security, as underscored by an expanding number of hearings, reports, and inquiries.

**A. House Homeland Security Committee**

“Cybersecurity Recommendations for the Next Administration,” Hearings before House Homeland Security Subcommittee on Emerging Threats, Cybersecurity, and Science and Technology (Sept. 16, 2008)

(<http://www.hsc.house.gov/hearings/index.asp?ID=166>)

“The Next Step in Aviation Security – Cargo Security: Is DHS Implementing the Requirements of the 9/11 Law Effectively?” Hearings before House Homeland Security Subcommittee on Transportation Security and Infrastructure Protection (July 15, 2008)

(<http://www.hsc.house.gov/hearings/index.asp?ID=157>)

“The Challenge of Protecting Mass Gatherings in a Post-9/11 World,” Hearings before House Homeland Security Committee (July 9, 2008)

(<http://www.hsc.house.gov/hearings/index.asp?ID=153>)

“The Goodyear Explosion: Ensuring Our Nation is Secure by Developing a Risk Management Framework for Homeland Security,” Hearings before House Homeland Security Subcommittee on Transportation Security and Infrastructure Protection (June 25, 2008)

(<http://www.hsc.house.gov/hearings/index.asp?ID=151>)

“Power Systems Need More Protection From Cyber Attack,” Letter by Rep. Thompson & Langevin to Rep. Dingell (May 30, 2008)

(<http://www.hsc.house.gov/press/index.asp?ID=380&SubSection=0&Issue=0&DocumentType=0&PublishDate=0>)

“Implications of Cyber Vulnerabilities on the Resiliency and Security of the Electric Grid,” Hearings before House Homeland Security Subcommittee on Emerging Threats, Cybersecurity, and Science and Technology (May 21, 2008)

(<http://www.hsc.house.gov/hearings/index.asp?ID=143>)

“The Resilient Homeland: How DHS Intelligence Should Empower America to Prepare for, Prevent, and Withstand Terrorist Attacks,” Hearings before House Homeland Security Subcommittee on Intelligence, Information Sharing and Terrorism Risk Assessment (May 15, 2008)

(<http://www.hsc.house.gov/hearings/index.asp?ID=140>)

“Partnering with the Private Sector to Secure Critical Infrastructure: Has the Department of Homeland Security Abandoned the Resilience-Based Approach?” House Homeland Security Subcommittee on Transportation Security and Infrastructure Protection (May 14, 2008)  
(<http://www.hsc.house.gov/hearings/index.asp?ID=139>)

“Langevin Aims to Close Homeland Cyber Gaps,” News Alert by Rep. Langevin regarding introduction of Homeland Security Network Defense and Accountability Act of 2008 (H.R. 5983) (May 8, 2008)  
(<http://www.hsc.house.gov/press/index.asp?ID=369&SubSection=0&Issue=0&DocumentType=0&PublishDate=0>)

“Assessing the Resiliency of the Nation’s Supply Chain,” Hearings before the House Homeland Security Subcommittee on Border, Maritime and Global Counterterrorism (May 7, 2008)  
(<http://www.hsc.house.gov/hearings/index.asp?ID=135>)

“The Resilient Homeland – Broadening the Homeland Security Strategy,” Hearings before the House Homeland Security Committee (May 6, 2008)  
(<http://www.hsc.house.gov/hearings/index.asp?ID=134>)

“Protecting the Mass Transit Critical Infrastructure in New York City and in the Nation,” Hearings before House Homeland Security Subcommittee on Transportation and Infrastructure Protection (Apr. 25, 2008)  
(<http://www.hsc.house.gov/hearings/index.asp?ID=131>)

“Partnerships in Securing Critical Infrastructure,” Hearings before House Homeland Security Subcommittee on Transportation and Infrastructure Protection (Mar. 12, 2008) (<http://www.hsc.house.gov/hearings/index.asp?ID=121>)

“Full Committee Markup: ‘Chemical Facility Anti-Terrorism Act of 2008,’” Hearings before House Homeland Security Committee (Mar. 6, 2008)  
(<http://www.hsc.house.gov/hearings/index.asp?ID=120>)

“Committee Print: ‘Chemical Facility Anti-Terrorism Act of 2008,’” House Homeland Security Committee (Feb. 26, 2008)  
(<http://www.hsc.house.gov/hearings/index.asp?ID=116>)

“The Cyber Initiative,” Hearings before House Homeland Security Committee (Feb. 28, 2008) (<http://www.hsc.house.gov/hearings/index.asp?ID=118>)

“Ensuring Homeland Security While Facilitating Legitimate Travel: The Challenge at America’s Ports of Entry,” Field Hearings before House Homeland Security Committee (Jan. 3, 2008)  
(<http://www.hsc.house.gov/hearings/index.asp?ID=109>)

**B. Senate Committee on Homeland Security and Governmental Affairs**

“Protecting Personal Information: Is the Federal Government Doing Enough?” Hearings before Senate Committee on Homeland Security and Governmental Affairs (June 18, 2008)

(<http://hsgac.senate.gov/public/index.cfm?Fuseaction=Hearings.Detail&HearingID=b53d9883-8c24-46df-92a6-c3b88d66ed12>)

“Lieberman, Collins Say Privacy Policy Needs to Catch Up to Digital Age,” News Release by Sen. Lieberman and Collins (June 18, 2008)

([http://hsgac.senate.gov/public/index.cfm?FuseAction=PressReleases.Detail&Affiliation=C&PressRelease\\_id=38dce0aa-ab68-4478-9426-e5d9be649f01&Month=6&Year=2008](http://hsgac.senate.gov/public/index.cfm?FuseAction=PressReleases.Detail&Affiliation=C&PressRelease_id=38dce0aa-ab68-4478-9426-e5d9be649f01&Month=6&Year=2008))

“It Takes a Village: Community Preparedness,” Hearings before Senate Ad Hoc Subcommittee on State, Local, and Private Sector Preparedness and Integration (June 5, 2008)

(<http://hsgac.senate.gov/public/index.cfm?Fuseaction=Hearings.Detail&HearingID=ef12e138-5870-41bc-bbc4-7cb6da6391a4>)

“Nuclear Terrorism: Providing Medical Care and Meeting Basic Needs in the Aftermath,” Senate Committee on Homeland Security and Governmental Affairs (May 15, 2008)

(<http://hsgac.senate.gov/public/index.cfm?Fuseaction=Hearings.Detail&HearingID=b4e45fe1-64d8-4b93-8520-77b645c0b74d>)

“Lieberman and Collins Step Up Scrutiny of Cyber Security Initiative: Secrecy, Overuse of Contractors, Role of Private Sector at Stake,” Letter of Sen. Lieberman & Collins to DHS Sec. Chertoff (May 2, 2008)

([http://hsgac.senate.gov/public/index.cfm?FuseAction=PressReleases.Detail&Affiliation=C&PressRelease\\_id=a32aba11-4443-4577-b9a5-3b2ea2c2f826&Month=5&Year=2008](http://hsgac.senate.gov/public/index.cfm?FuseAction=PressReleases.Detail&Affiliation=C&PressRelease_id=a32aba11-4443-4577-b9a5-3b2ea2c2f826&Month=5&Year=2008))

“Nuclear Terrorism: Confronting the Challenges of the Day After,” Senate Committee on Homeland Security and Governmental Affairs (Apr. 15, 2008)

(<http://hsgac.senate.gov/public/index.cfm?Fuseaction=Hearings.Detail&HearingID=695d538e-8679-4baf-a060-6ea66a77be41>)

“Agencies in Peril: Are We Doing Enough to Protect Federal IT and Secure Sensitive Information,” Hearings before Senate Subcommittee on Federal Financial Management, Government Information, Federal Services and International Security (Mar. 12, 2008)

(<http://hsgac.senate.gov/public/index.cfm?Fuseaction=Hearings.Detail&HearingID=db89f4c3-b2b8-42fd-8dae-934a1b317c35>)

“NSPD-54/HSPD-23 and the Comprehensive National Cyber Security Initiative,” Hearings before Senate Committee on Homeland Security and Governmental Affairs (Mar. 4, 2008)

(<http://hsgac.senate.gov/public/index.cfm?Fuseaction=Hearings.Detail&HearingID=11e6955c-f56f-4d15-837b-a9bd901e8419>)

### **C. House Committee on Oversight and Government Reform**

“Federal Security: ID Cards and Background Checks,” Hearings before the House Subcommittee on Government Management, Organization, and Procurement (Apr. 9, 2008)

(<http://governmentmanagement.oversight.house.gov/story.asp?ID=1833>)

“Privacy: Use of Commercial Information Resellers by Federal Agencies,” Hearings before House Subcommittee on Information Policy, Census, and Archives (Mar. 11, 2008)

(<http://informationpolicy.oversight.house.gov/story.asp?ID=1823>)

“Federal Information Security: Joint Hearing on HR 4791,” Hearings before House Subcommittee on Information Policy, Census, and Archives (Feb. 14, 2008) (<http://informationpolicy.oversight.house.gov/story.asp?ID=1748>)

## **II. Other Legislative Reports**

Both the Government Accountability Office (GAO) and the Congressional Research Service (CRS) have been active on critical infrastructure issues.

### **A. Government Accountability Office (GAO)**

“Critical Infrastructure Protection: DHS Needs to Better Address Its Cybersecurity Responsibilities,” GAO (GAO-08-1157T) (Sept. 16, 2008)

(<http://www.gao.gov/new.items/d081157t.pdf>)

“Information Technology: Federal Laws, Regulations, and Mandatory Standards to Securing Private Sector Information Technology Systems and Data in Critical Infrastructure Sectors,” GAO (GAO-08-1075R) (Sept. 16, 2008)

(<http://www.gao.gov/new.items/d081075r.pdf>)

“Critical Infrastructure Protection: DHS Needs to Fully Address Lessons Learned from Its First Cyber Storm Exercise,” (GAO-08-825) (Sept. 9, 2008)

(<http://www.gao.gov/new.items/d08825r.pdf>)

“Defense Critical Infrastructure: Adherence to Guidance Would Improve DOD’s Approach to Identifying and Assuring the Availability of Critical Transportation Assets,” GAO (GAO-08-851) (Aug. 15, 2008)

(<http://www.gao.gov/new.items/d08851.pdf>)

“Defense Infrastructure: Services’ Use of Land Use Planning Authorities,” GAO (GAO-08-850) (July 23, 2008)  
(<http://www.gao.gov/new.items/d08850.pdf>)

“Export-Import Bank: Performance Standards for Small Business Assistance Are in Place but Ex-Im Is in the Early Stages of Measuring Their Effectiveness,” GAO (GAO-08-915) (July 17, 2008)  
(<http://www.gao.gov/new.items/d08915.pdf>)

“Nuclear Waste: DOE Lacks Critical Information Needed to Assess Its Tank Management Strategy at Hanford,” GAO (GAO-08-793) (June 30, 2008)  
(<http://www.gao.gov/new.items/d08793.pdf>)

“Critical Infrastructure Protection: Further Efforts Needed to Integrate Planning for an Response to Disruptions on Converged Voice and Data Networks.” GAO (GAO-08-607) (June 26, 2008)  
(<http://www.gao.gov/new.items/d08607.pdf>)

“Information Security: Federal Agency Efforts to Encrypt Sensitive Information Are Under Way, but Work Remains,” GAO (GAO-08-525) (June 2008)  
(<http://www.gao.gov/new.items/d08525.pdf>)

“Information Security: TVA Needs to Enhance Security of Critical Infrastructure Control Systems and Networks,” GAO (GAO-08-775T) (May 2008)  
(<http://www.gao.gov/new.items/d08775t.pdf>)

“Information Security: TVA Needs to Address Weaknesses in Control Systems and Networks,” GAO (GAO-08-526) (May 2008)  
(<http://www.gao.gov/new.items/d08526.pdf>)

“Defense Critical Infrastructure: DOD’s Risk Analysis of Its Critical Infrastructure Omits Highly Sensitive Assets,” GAO (GAO-08-373R) (April 2, 2008) (<http://www.gao.gov/new.items/d08851.pdf>)

“Information Security: Progress Reported, but Weaknesses at Federal Agencies Persist,” GAO (GAO-08-571T) (March 2008)  
(<http://www.gao.gov/new.items/d08571t.pdf>)

“Information Security: Although Progress Reported, Federal Agencies Need to Resolve Significant Deficiencies,” GAO (GAO-08-496T) (Feb. 2008)  
(<http://www.gao.gov/new.items/d08496t.pdf>)

“Critical Infrastructure Protection: Sector-Specific Plans’ Coverage of Key Cyber Security Element Varies,” GAO (GAO-08-64T) (Oct. 31, 2007)  
(<http://www.gao.gov/new.items/d0864t.pdf>)

“Critical Infrastructure Protection: Sector-Specific Plans’ Coverage of Key Cyber Security Element Varies,” GAO (GAO-08-113) (Oct. 31, 2007) (<http://www.gao.gov/new.items/d08113.pdf>)

“Influenza Pandemic: Opportunities Exist to Address Critical Infrastructure Protection Challenges That Require Federal and Private Sector Coordination,” GAO (GAO-08-360) (Oct. 31, 2007) (<http://www.gao.gov/new.items/d08360.pdf>)

“Internet Infrastructure: Challenges in Developing a Public/Private Recovery Plan,” GAO (GAO-08-212T) (Oct. 23, 2007) (<http://www.gao.gov/new.items/d08212t.pdf>)

“Critical Infrastructure Protection: Multiple Efforts to Secure Control Systems Are Under Way, but Challenges Remain,” GAO (GAO-08-119T) (Oct. 17, 2007) (<http://www.gao.gov/new.items/d08119t.pdf>)

“Critical Infrastructure Protection: Multiple Efforts to Secure Control Systems Are Under Way, but Challenges Remain,” GAO (GAO-07-1036) (Sept. 10, 2007) (<http://www.gao.gov/new.items/d071036.pdf>)

## **B. Congressional Research Service (CRS)**

“Federal Information Security and Data Breach Notification Laws,” CRS (RL34120) (Apr. 3, 2008) (<http://ftp.fas.org/sgp/crs/secretcy/RL34120.pdf>)

“Data Mining and Homeland Security: An Overview,” CRS (RL31798) (Apr. 3, 2008) (<http://www.fas.org/sgp/crs/homesecc/RL31798.pdf>)

“Critical Infrastructures: Background, Policy, and Implementation,” CRS (RL30153) (Apr. 2, 2008) (<http://openocrs.com/document/RL30153>)

“High Altitude Electromagnetic Pulse (HEMP) and High Power Microwave (HPM) Devices: Threat Assessments,” CRS (RL32544) (Mar. 26, 2008) (<http://openocrs.com/document/RL32544>)

“Aging Infrastructure: Dam Safety,” CRS (RL33108) (Mar. 25, 2008) ([http://assets.openocrs.com/rpts/RL33108\\_20080325.pdf](http://assets.openocrs.com/rpts/RL33108_20080325.pdf))

## **III. Inspector General Reports**

The Inspector General Offices of a number of agencies have been very active in reviewing critical infrastructure programs in the past year.

**A. Department of Homeland Security**

“TSA’s Administration and Coordination of Mass Transit Security Programs,” DHS-OIG (OIG-08-66) (June 2008)

([http://www.dhs.gov/xoig/assets/mgmttrpts/OIG\\_08-66\\_June08.pdf](http://www.dhs.gov/xoig/assets/mgmttrpts/OIG_08-66_June08.pdf))

“Targeting of Cargo Containers 2008: Review of CBP’s Cargo Enforcement Reporting and Tracking System,” DHS-OIG (OIG-08-65) (June 2008)

([http://www.dhs.gov/xoig/assets/mgmttrpts/OIG\\_08-65\\_June08.pdf](http://www.dhs.gov/xoig/assets/mgmttrpts/OIG_08-65_June08.pdf))

“Additional Controls Can Enhance the Security of the Automated Commercial Environment System,” DHS OIG (OIG-08-64) (June 2008)

([http://www.dhs.gov/xoig/assets/mgmttrpts/OIGr\\_08-64\\_Jun08.pdf](http://www.dhs.gov/xoig/assets/mgmttrpts/OIGr_08-64_Jun08.pdf))

“Review of DHS Component Plans of Action and Milestones for Financial System Security,” DHS-OIG (OIG-08-63) (June 2008)

([http://www.dhs.gov/xoig/assets/mgmttrpts/OIG\\_08-63\\_June08.pdf](http://www.dhs.gov/xoig/assets/mgmttrpts/OIG_08-63_June08.pdf))

“DHS Must Address Internet Protocol Version 6 Challenges,” DHS OIG (OIG-08-61) (May 2008) ([http://www.dhs.gov/xoig/assets/mgmttrpts/OIG\\_08-61\\_May08.pdf](http://www.dhs.gov/xoig/assets/mgmttrpts/OIG_08-61_May08.pdf))

“Logistics Information Systems Need to be Strengthened at the Federal Emergency Management Agency,” DHS OIG (OIG-08-60) (May 2008)

([http://www.dhs.gov/xoig/assets/mgmttrpts/OIG\\_08-60\\_May08.pdf](http://www.dhs.gov/xoig/assets/mgmttrpts/OIG_08-60_May08.pdf))

“Information Technology Management Letter for the FY 2007 Customs Border and Protection Financial Statement Audit (Redacted),” DHS OIG (OIG-08-50) (May 2008) ([http://www.dhs.gov/xoig/assets/mgmttrpts/OIGr\\_08-50\\_May08.pdf](http://www.dhs.gov/xoig/assets/mgmttrpts/OIGr_08-50_May08.pdf))

“Challenges Remain in Executing the Department of Homeland Security’s Information Technology Program for its Intelligence Systems,” DHS OIG (OIG-08-48) (Apr. 2008) ([http://www.dhs.gov/xoig/assets/mgmttrpts/OIG\\_08-48\\_April08.pdf](http://www.dhs.gov/xoig/assets/mgmttrpts/OIG_08-48_April08.pdf))

“DHS Needs to Prioritize Its Cyber Assets,” DHS OIG (OIG-08-31) (Mar. 2008)

([http://www.dhs.gov/xoig/assets/mgmttrpts/OIG\\_08-31\\_Mar08.pdf](http://www.dhs.gov/xoig/assets/mgmttrpts/OIG_08-31_Mar08.pdf))

“Major Management Challenges Facing the Department of Homeland Security,” DHS OIG, pp. 76-79 (OIG-08-11) (Jan. 2008)

([http://www.dhs.gov/xoig/assets/mgmttrpts/OIG\\_08-11\\_Jan08.pdf](http://www.dhs.gov/xoig/assets/mgmttrpts/OIG_08-11_Jan08.pdf))

“Administration of the Federal Trucking Industry Security Grant Program for FY 2004 and FY 2005,” DHS OIG (OIG-08-08) (October 2007)

([http://www.dhs.gov/xoig/assets/mgmttrpts/OIG\\_08-08\\_Oct07.pdf](http://www.dhs.gov/xoig/assets/mgmttrpts/OIG_08-08_Oct07.pdf))



**B. Department of Energy (DOE)**

“Evaluation Report: The Department’s Unclassified Cyber Security Program – 2008,” (DOE/IG-0801) (Sept. 2008)  
(<http://ig.energy.gov/documents/IG-0801.pdf>)

“Evaluation Report: The Federal Energy Regulatory Commission’s Unclassified Cyber Security Program – 2008) (DOE/IG-0802) (Sept. 2008)  
(<http://ig.energy.gov/documents/IG-0796.pdf>)

“Certification and Accreditation of the Department’s National Security Information Systems,” DOE-OIG (DOE/IG-0800) (August 2008)  
(<http://ig.energy.gov/documents/IG-0800pdf>)

“Internal Controls Over Sensitive Compartmentalized Information Access for Selected Field Intelligence Elements,” DOE OIG (DOE/IG-0796) (July 2008)  
(<http://ig.energy.gov/documents/IG-0796.pdf>)

“Office of Intelligence and Counterintelligence Internal Controls Over the Department of Energy’s Sensitive Compartmentalized Information Access Program,” DOE OIG (DOE/IG-0790) (Mar. 2008)  
(<http://ig.energy.gov/documents/IG-0790.pdf>)

“The Department’s Cyber Security Incident Management Program,” DOE OIG (DOE/IG-0787) (Jan. 2008)  
(<http://ig.energy.gov/images/IG-0787.pdf>)

“Incident of Security Concern at the Y-12 National Security Complex,” DOE OIG (DOE/IG-0785) (Jan. 2008)  
(<http://ig.energy.gov/documents/IG-0785.pdf> )

**C. Department of Defense (DOD)**

“Accountability for Defense Security Service Assets with Personally Identifiable Information,” DOD OIG (D-2008-114) (July 24, 2008)  
(<http://www.dodig.mil/Audit/reports/fy08/08-114.pdf>)

“DOD Implementation of Homeland Security Presidential Directive-12,” DOD OIG (D-2008-104) (June 23, 2008)  
(<http://www.dodig.mil/Audit/reports/fy08/08-104.pdf>)

“Defense Finance and Accounting Service Kansas City Federal Managers’ Financial Integrity Act, Federal Financial Management Improvement Act, and Federal Information Security Management Act Reporting for FY 2005,” DOD OIG (D-2008-053) (Feb. 19, 2008)  
(<http://www.dodig.mil/Audit/reports/fy08/08-053.pdf>)

“Contingency Planning for DOD Mission-Critical Information Systems,” DOD  
OIG (D-2008-047) (Feb. 5, 2008)  
(<http://www.dodig.mil/Audit/reports/fy08/08-047.pdf>)

**D. Department of Transportation (DOT)**

“Actions Taken and Needed to Implement Mandates and Address  
Recommendations Regarding Rail Safety,” DOT OIG (CR-20080072) (August  
26, 2008).  
([http://www.oig.dot.gov/StreamFile?file=/data/pdfdocs/Final\\_Report\\_08-26-08\\_w\\_electronic\\_sign.pdf](http://www.oig.dot.gov/StreamFile?file=/data/pdfdocs/Final_Report_08-26-08_w_electronic_sign.pdf))

**E. Department of Treasury**

“Information Technology: Network Security at the Office of the Comptroller of  
the Currency Needs Improvement,” Treasury OIG (OIG-08-035) (June 3, 2008)  
(<http://www.treas.gov/inspector-general/audit-reports/2008/oig08035.pdf>)

“Semiannual Report to Congress,” Treasury OIG (OIG-CA-08-008) (Oct. 1, 2007  
– Mar. 31, 2008)  
(<http://www.treas.gov/inspector-general/semiannual-reports/sar042008.pdf>)

**F. Environmental Protection Agency (EPA)**

“EPA Should Continue to Improve Its National Emergency Response Planning,”  
EPA OIG (08-P-0055) (January 9, 2008)  
(<http://www.epa.gov/oig/reports/2008/20080109-08-P-0055.pdf>)

**G. General Services Administration (GSA)**

“Improvements to the GSA Privacy Act Program Are Needed to Ensure That  
Personally Identifiable Information (PII) Is Adequately Protected,” GSA OIG  
(A060228/O/T/F08007)  
([http://oig.gsa.gov/A060228\\_2.pdf](http://oig.gsa.gov/A060228_2.pdf))

**H. Nuclear Regulatory Commission (NRC)**

“NRC’s Planned Cybersecurity Program,” NRC OIG (OIG-08-A-06) (March 18,  
2008)  
(<http://www.nrc.gov/reading-rm/doc0collections/insp-gen/20080oig-08-a-06.pdf>)

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