

The Office of Infrastructure Protection

National Protection and Programs Directorate
Department of Homeland Security

Chemical Sector-Specific Agency Programs

Chemical Sector Security Summit

July 31, 2012



Homeland
Security

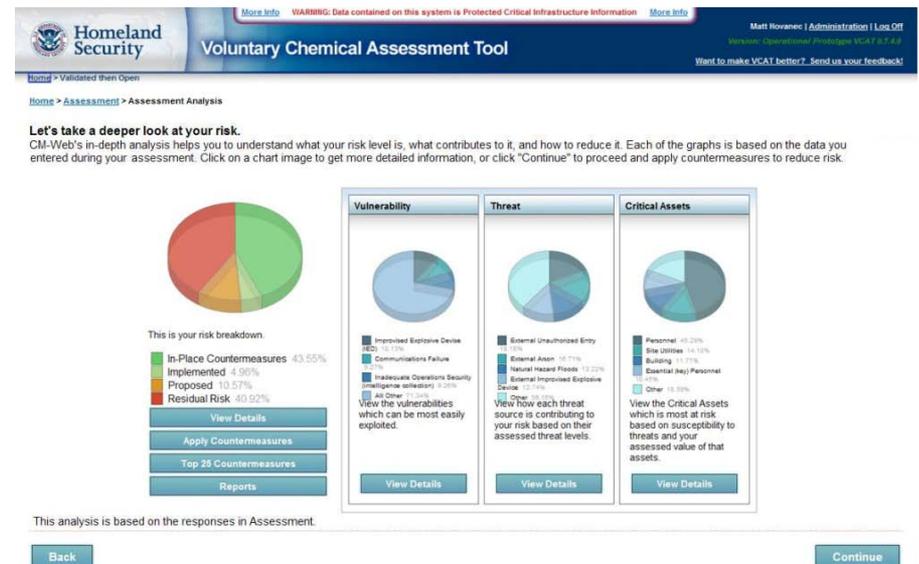
Chemical Sector – Information Sharing

- **Security Awareness Guide** — The guide assists owners and operators in their efforts to improve security at their chemical facility and to provide information on the security threat presented by explosive devices and cybersecurity vulnerabilities
- **Biannual Classified Briefing** — The Chemical Sector-Specific Agency (SSA) sponsors a classified briefing for cleared industry representatives twice a year. The intelligence community provides briefings on both physical and cybersecurity threats as well as other topics of interest for chemical supply chain professionals
- **Monthly Suspicious Activity Calls** — SSA sponsors a monthly unclassified teleconference where the Homeland Infrastructure Threat and Risk Analysis Center and the U.S. Computer Emergency Readiness Team brief on current physical and cybersecurity threat information including suspicious activity reporting, overseas activity, and cybersecurity vulnerabilities as appropriate

Chemical Sector Programs – Tool

■ Voluntary Chemical Assessment Tool

- Provides the means for owners and operators of non-tiered facilities to identify their current risk level
- Facilitates a cost-benefit analysis allowing users to select best combination of physical security countermeasures and mitigation strategies to reduce overall risk

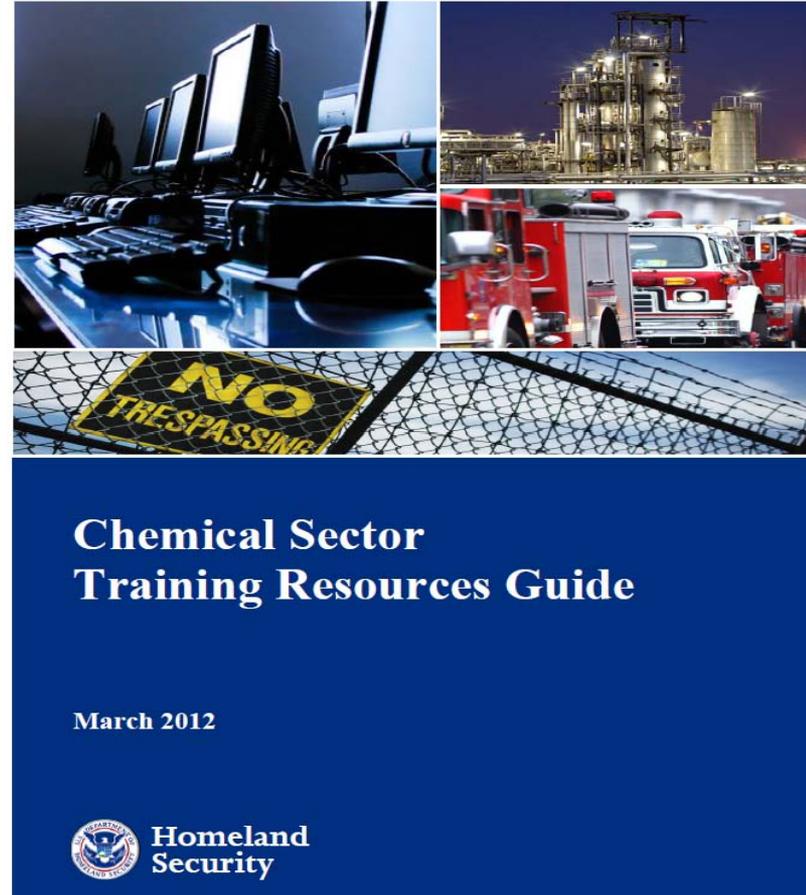


Chemical Sector Programs – Training

Chemical Sector

Training Resources Guide

- Compilation of free or low cost training, Web-based classes, and seminars that are routinely available through one of several component agencies within the Department of Homeland Security (DHS)
- Overview of key DHS organizations that offer training resources, followed by a list of selected courses arranged by category.
- Resource for security professionals who wish to provide basic training and education to their employees



Source: DHS

Chemical Sector Programs – Training (cont.)

- **Web-Based Chemical Security Awareness Training** — A free, interactive tool available to chemical facilities nationwide to increase security awareness. The training is designed for all facility employees not just those traditionally involved in security
- **Roadmap Implementation Working Group** — Develops activities to address the milestones
- **Security Seminar and Exercise Series with State Chemical Industry Stakeholders** — A collaborative effort between various State chemical industry stakeholders aimed at fostering communication between facilities and their local emergency response teams by encouraging representatives to share their insight, knowledge, and experiences during a facilitated tabletop exercise

Homeland Security Information Network

- The DHS Homeland Security Information Network (HSIN) is the primary information-sharing platform for the Chemical Sector
- The HSIN-Critical Sectors (CS) portal is available to both public and private Chemical Sector partners and is a key tool for security informational awareness
- Portal access enhances the ability of users to receive information and communicate during operationally significant situations.
- For example, during a hurricane the portal provides alerts and incident bulletins are posted regularly. Positive feedback was received from the sector during hurricanes Gustav and Ike

HSIN-CS Portal User Benefits

- A single DHS source for infrastructure protection alerts, information bulletins, and analysis related to the Chemical Sector
- Timely information on pre-incident prevention and preparedness practices and activities
- Contribute to and benefit from strategic and tactical information sharing
- Situational awareness

The screenshot displays the HSIN-Chem Chemical Sector Portal. The header includes the site name and navigation links like 'My Site', 'Help', and 'Logout'. A breadcrumb trail shows the current location as 'CS Home > Sectors > Chemical'. The main content area is organized into several sections: 'Current Location' with a sidebar menu, a 'Toolbox' with icons for 'Calendar/Events', 'Contact Info', 'Working Groups', 'Suspicious Activity Reports', 'Document Library', 'Resources and Links', 'Training Site', and 'SCC Web Sites'. Below the toolbox is a 'Chemical Sector Announcements' section with a table of updates, including a 'Medium Priority' announcement about updated Chemical SSA Voluntary Programs and two 'High Priority' announcements regarding an event in New Orleans and the 2010 Chemical Sector Security Summit. At the bottom, there is a 'Chemical Sector News' section with a 'Content Providers' dropdown and a 'Top Stories - Google News' list.

Source: DHS

Chemical Sector – Tabletop Exercise Programs

- Part of the Sector-Specific Tabletop Exercise Program
- Tabletop Exercise Programs create an opportunity for critical infrastructure owners and operators as well as their partners to identify and examine the issues and capability gaps they are likely to face in responding to and recovering from a variety of incidents
- Programs test the effectiveness of emergency response plans in an all-hazards environment including manmade disasters, natural disasters, and cybersecurity attacks
- Multimedia products provide everything required to conduct exercises that conform to Federal Emergency Management Agency Homeland Security Exercise and Evaluation Program standards

Tabletop Exercise Program Scope

- Interactive, discussion-based activity focused on owner and operator response as well as coordination with other entities during incidents
- Platform for open, thought-provoking exchange of ideas by helping to develop and expand the existing knowledge of an organization's policies and procedures relevant to incident response
- Emphasis on response coordination and resource integration with problem identification and resolution - not a test of detailed response procedures



Source: DHS

Tabletop Exercise Program Contents

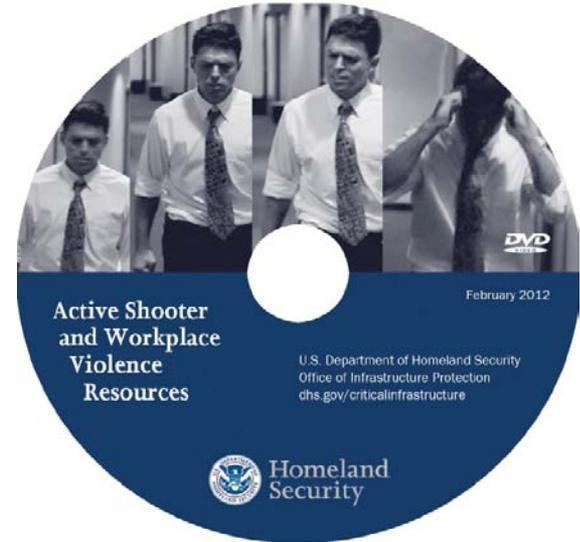
- **Administrative Documents** — Includes sample exercise invitations to partners and participant and exercise feedback forms
- **Exercise Planner Instructions** — Provides guidance for the exercise planner with step-by-step instructions to develop and execute the tabletop exercise
- **Facilitator & Evaluator Handbooks** — Guides the facilitator and evaluators by providing instructions and examples for conducting the exercise, as well as capturing information and feedback needed for review and development of an After Action Report and Improvement Plan
- **Situation Manuals** — Provides participants with detailed descriptions of the scenarios and potential questions to supplement the details presented and stimulate discussion

Tabletop Exercise Program Contents (cont.)

- **Presentations** — Mirrors the Situation Manual and is used by the exercise facilitator to guide participants through the scenarios and discussion questions
- **Reference Materials** — Aids the exercise planner, facilitator, and participants by providing additional information on the exercise and other related topics
- **Videos** — Sets the stage for each of the exercise scenarios. The videos are linked to the presentation and are meant to be viewed where indicated. The videos are also available as separate files to be used in other training as desired

Available Tabletop Exercise Programs

- Terrorist Threat/Attack
- Workplace Violence/Active Shooter
- Major Earthquake
- Cybersecurity Scenarios
 - Includes both Business/Information Technology and Industrial Control Systems
- Supply Chain Tabletop Exercise
 - Release date tentatively scheduled for late summer 2012



Chemical SSA Contact Information

- HSIN-CS Request: HSINCS@hq.dhs.gov
- Web site: www.dhs.gov/chem-voluntary-resources
- Email: ChemicalSector@hq.dhs.gov





Homeland Security

For more information visit:
www.dhs.gov/criticalinfrastructure

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