

Cutting Edge Risk and Resiliency Tools Webinar Announcement

The U.S. Department of Homeland Security (DHS) Science and Technology Directorate invites you to participate in a Webinar on Cutting Edge Resiliency

February 1, 2012 • 2:00 pm to 4:00 pm EST

The main objective of the Webinar is to feature three new tools developed to improve the security and resilience of our nation's buildings and infrastructure. The tools provide scores for risk and resilience and are capable of analyzing and compiling a range of high-performance requirements, including safety (earthquakes, floods, winds, and fire), security (explosives, ballistics and chemical, biological and radiological), environmental footprint and energy conservation, sustainability, durability, and continuity of operations.

Agenda

Moderator: Andrea Schultz

- 2:00 PM..... Welcome and Opening Remarks
- 2:20 PM Integrated Rapid Visual Screening (IRVS)
- 2:50 PM..... Owners Performance Requirement (OPR) Tool
- 3:20 PM..... Urban Blast Tool (UBT)
- 3:50 PM..... Wrap-up

Please Register at:

https://connect.hsin.gov/cutting_edge_tools/event/registration.html

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Lead, High Performance and Resilience Program, Science and Technology Directorate, Department of Homeland Security



Homeland Security

Science and Technology



Integrated Rapid Visual Screening (IRVS)

Presented by Mike Chipley

This easy-to-manage tool is designed to prepare risk assessments based on visual inspection only. It is available for buildings, mass transit, and tunnels. During the Webinar the most prominent features of the IRVS for buildings will be showcased.

Owners Performance Requirement (OPR) Tool

Presented by Earle Kennett

This Web-based tool allows owners to analyze the full range of performance objectives from baseline to high-performance that meet their business case/model or mission

Urban Blast Tool (UBT)

Presented by Bob Smilowitz

This tool helps to quantify the effects of blast in urban environments, including the influence of buildings on blast pressures propagating from explosions located in urban settings. The current version of the UBT is designed for the NYC Financial District and Mid Manhattan. Expanded versions will incorporate collapse prediction algorithms and data fields to accommodate building specific performance characteristics. A generic version of the UBT will be prepared for the use of other metropolitan areas in the United States.