



Around The Region In Homeland Security September 2013

The Northwest Regional Technology Center (NWRTC) is a virtual resource center, operated by the Pacific Northwest National Laboratory (PNNL), to support regional preparedness, resiliency, response, and recovery. The center enables homeland security solutions for emergency responder communities and federal, state, and local stakeholders in the Northwest. This monthly newsletter summarizes activities related to homeland security in the region, and this issue highlights

- LiveWall Pilot Demonstrates Enhanced Communication, Understanding
- Evacuation Planning Tool Aids in Emergency Management Planning
- HazMat Annual Conference and Expo
- Upcoming Events

LiveWall Pilot Demonstrates Enhanced Communication, Understanding

The LiveWall Information and Integration system was one of the first operational prototypes conceived and developed through Precision Information Environments. LiveWall allows communication between separate groups using interactive video, audio, and a shared desktop environment, allowing participants to interact and collaborate in real time.

With support from the Department of Homeland Security’s Science and Technology Directorate (DHS S&T) and First Responders Group, PNNL supported a pilot deployment of the LiveWall concept with the Seattle Police Department beginning in July 2013, to test the efficacy of the capability, develop appropriate concepts of operations, and identify additional operational needs.

The pilot deployment indicates that this capability can provide significant value by enhancing communications and ensuring a common message and understanding. This method proves useful in routine planning and dynamic information sharing, particularly during multi-location operations.



PNNL staff members demonstrate the interactive LiveWall capability.

To learn more about LiveWall, contact Russ Burtner, or visit <http://precisioninformation.org/>.

Evacuation Planning Tool Aids Emergency Management Planning

The Department of Homeland Security Science and Technology Directorate (DHS S&T) has developed a technology that is helping emergency planners design, visualize, and evaluate evacuation plans without disrupting productivity or inconveniencing the public: the Evacuation Planning Tool (EPT).

Regal Decision Systems Inc. developed EPT, with funding from DHS S&T, and the U.S. Government's Technical Support Working Group. Using EPT, Regal can create detailed models of specific structures, everything from football stadiums to airports, which helps emergency planners design, visualize, and evaluate evacuation plans without inconveniencing the public. Regal loads venue-specific data into each model, including population statistics, crowd dynamics, and other information to create an accurately populated virtual and realistic three-dimensional model.

DHS S&T's First Responders Group (FRG) demonstrated an EPT baseline simulation model of the U.S. Capitol to representatives from the U.S. House of Representatives Office of the Sergeant at Arms Office of Emergency Management, the United States Capitol Police, the Architect of the Capitol, the D.C. Metropolitan Police Department, the D.C. Metropolitan Fire Department, and the D.C. Metro Region Emergency Operations Center.

Content courtesy of DHS S&T's FRG. For full article, visit <http://www.firstresponder.gov/Pages/FRPDFArticles.aspx>

HazMat Annual Conference and Expo

PNNL's Ann Lesperance and Rich Ozanich recently attended the HazMat Annual Conference and Expo held in Wenatchee, Washington. The Expo brought together Fire, Civil Support Teams, and Hazmat teams from around the state for weeklong lectures, short courses, and presentations which featured some of the latest emergency approaches, techniques, and tools.

Lesperance and Ozanich interfaced with HazMat and Special Operations teams from fire service, law enforcement, and military personnel to workers in public works and private industry.



PNNL's Rich Ozanich speaks to Captain Tyrone Clark, 10th Civil Support Team (Weapons of Mass Destruction) Washington Air National Guard.

PNNL's booth spotlighted the Independent Testing of First Responder Biodetection Tools. Additionally many first responders were interested in PNNL's report, [Biodetection Technologies for First Responders](#).

Upcoming Events

September 12, 2013
[Open Humanitarian Initiative \(OHI\)](#)
NISC Webinar

September 16, 2013
[2013 Fall WEPIN Workshop](#)
Skamania Lodge, Stevenson, WA

Around the Region in Homeland Security is a monthly report from PNNL's Northwest Regional Technology Center for Homeland Security. For more information, contact Director Steve Stein at steve.stein@pnnl.gov or 206-528-3340, Deputy Director Ryan Eddy at ryan.eddy@pnnl.gov or 509-372-6622, or Deputy Director Regional Programs Ann Lesperance at ann.lesperance@pnnl.gov or 206-528-3223, or see the website at <http://nwrtec.pnnl.gov>.
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