



# NWRTC

Northwest Regional  
Technology Center  
@ PNNL



Pacific Northwest  
NATIONAL LABORATORY

## AROUND THE REGION IN HOMELAND SECURITY

The Northwest Regional Technology Center (NWRTC) is a virtual resource center, operated by Pacific Northwest National Laboratory (PNNL), to support regional preparedness, resilience, response, and recovery. The center enables homeland security solutions for emergency responder communities and federal, state, and local stakeholders in the Northwest.

### SUMMIT CONVENES STATES, REGIONAL STAKEHOLDERS, EMERGENCY MANAGERS

In late June, the NWRTC Virtual Summit convened senior leaders from multiple states and the Department of Homeland Security (DHS) in a collaborative conversation to:



- Discuss leading issues and solutions to some of the most pressing national security issues.
- Highlight cutting-edge science and technology, including virtual tours of laboratory facilities.
- Showcase partnerships tackling regional homeland security challenges.

The event was co-hosted by PNNL and Major General Bret Daugherty, adjutant general of Washington State, to share technology development supporting homeland security missions, inform states of national laboratory science and technology, and explore opportunities for collaboration.

“One thing I have had the opportunity to do over my career in the National Guard and as the Adjutant General is to interact with the great people at PNNL. National laboratories pose a valuable but often unrealized resource for our states. Getting to know their capabilities is well worth our time—and this summit offered a great opportunity to find out how their science and technology can benefit our security challenges,” said Daugherty.

The event welcomed more than 40 participants, hailing from more than 10 states and the Territory of Guam. Results from the two-day discussion will drive the development of follow-on opportunities to discuss regional partnerships that address state needs, inform research agendas, and develop technology collaborations in the near and long term.

### OPPORTUNITIES

Events current at time of publication. Have a virtual resource or event to share? Email us!

- July 11-14 – [National Homeland Security Conference](#)
- July 24-28 – [Pacific NorthWest Economic Region 31st PNWER Annual Summit](#)
- August 8-12 – [International Association of Fire Fighters 56th Convention](#)
- August 24-26 – [International Association of Fire Chiefs Fire-Rescue International 2022](#)
- November 3-5 – [National Conference on EMS](#)

### CONTACT

Want to know more? Visit us at [pnnl.gov/projects/nwrtc](http://pnnl.gov/projects/nwrtc). Contact the NWRTC with questions and comments at [nwrtc@pnnl.gov](mailto:nwrtc@pnnl.gov).



## FIRST RESPONDER SHOWCASE HIGHLIGHTS OPIOID DETECTION

The DHS Science and Technology Directorate released [video of presentations from the Virtual First Responder Capitol Hill Showcase](#) in April. During the event, program managers highlighted technologies and programs serving different homeland security missions such as emergency response, disaster resilience, and public safety.



In particular, the [Opioids Detection segment](#) captured work led by NWRTC Deputy Director [Richard Ozanich](#), with standards support from Jonathan Forman, Frances Esquibel, and Owen Leiser, and testing support from Ashley Bradley, Angie Melville, Danielle Saunders, and Kai-For Mo to update libraries that police, hazardous materials teams, and other first responders use to identify and understand hazardous substances they encounter in the field.

In addition to expanding [fentanyl](#) libraries, the team leveraged feedback from more than 100 scientists, first responders, drug enforcement officials, and equipment manufacturers to develop three [ASTM International laboratory standards](#). Read the [staff accomplishment](#) to learn more.

## TOOLKIT DELIVERS STRATEGIC FORESIGHT METHODS

In the face of dynamic operating environments, the Cybersecurity and Infrastructure Security Agency (CISA) Secure Tomorrow Series offers a strategic foresight capability that looks at future risk drivers and trends (i.e., aging infrastructure, global pandemics, and emerging technologies) that could affect the nation's critical infrastructure in the next 5 to 20 years. As a part of this effort, CISA launched the [Secure Tomorrow Series Toolkit](#), comprising interactive products to assist

critical infrastructure stakeholders' understanding of how to use strategic foresight methods.

The toolkit focuses on trust and social cohesion, anonymity and privacy, and data storage and transmission, and allows users to self-facilitate and conduct four different kinds of strategic foresight activities around topics relevant to their organization, region, or sector. To learn more, read [Using Strategic Foresight to Prepare for the Future](#) or visit the [Secure Tomorrow Series webpage](#).

## REPORTS HIGHLIGHT FIRST RESPONDER TECHNOLOGY

The DHS [National Urban Security Technology Laboratory](#) (NUSTL) recently shared the publication of several knowledge products for first responders:

- [Incident Management Software for Emergency Response Market Survey Report](#)
- [Physiological Monitoring for Emergency Responders Market Survey Report](#)
- [TRX NEON Personnel Location Tracker Technology Demonstration Report](#)
- [Thermal Imaging Systems for Febrile Temperature Screening TechNote](#)
- [Laser Protective Eyewear TechNote](#).

These products are published by the System Assessment and Validation for Emergency Responders (SAVER) Program, which aims to assist emergency responders in making procurement decisions. SAVER knowledge products, including market surveys and the results of responder-conducted, comparative operational assessments, are accessible at [www.dhs.gov/science-and-technology/SAVER](http://www.dhs.gov/science-and-technology/SAVER).

**Do you have a category of emergency responder equipment or technology to suggest?** First responder recommendations regarding equipment to assess, evaluation criteria, test scenarios, and information needs are essential to keep SAVER publications relevant. [Complete this survey](#) to share input on what equipment SAVER should review next.

