

NORTHWEST REGIONAL TECHNOLOGY CENTER

FOR HOMELAND SECURITY

The Northwest Regional Technology Center (NWRTC) is a virtual resource center supporting regional preparedness, response, and recovery by enabling homeland security solutions for emergency responder communities and federal, state, and local stakeholders in the Northwest.

OBJECTIVES

- ▶ Serve the region's and the nation's preparedness and response communities as the primary resource for information on homeland security solutions, policies, and procedures.
- ▶ Accelerate the development and deployment of technologies that are effective homeland security solutions for the region, and accelerate technology transfer to the national user community.



- ▶ Foster a collaborative spirit across agencies and jurisdictions.
- ▶ Serve as a conduit between the Northwest region, the Department of Homeland Security, and the broader technology development community to communicate technology gaps and requirements.

Northwest Regional Technology Center
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PROJECTS AND COLLABORATIONS

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- ▶ Workshops exploring emerging next-generation challenges (e.g., cybersecurity, workforce development, unmanned aerial systems)
- ▶ Regional recovery and resilience planning for urban areas, military installations, and the private sector from WMD attacks
- ▶ Radiological/nuclear material detection training for small vessels in Puget Sound
- ▶ Technology Pilots
 - Information analytic technology for emergency management and law enforcement
 - Sensor platforms for providing real-time images to operation centers
 - Situational awareness and common operating picture technologies
 - Cyber security vulnerability assessments

COLLABORATIONS

- ▶ Pacific Northwest Economic Region Public-Private Partnership for Infrastructure Interdependencies
- ▶ Regional Catastrophic Planning Team
- ▶ Area Maritime Security Committee
- ▶ Northeastern University Global Resilience Institute
- ▶ City of Seattle Disaster Management Committee



WHAT WE DO

- ▶ Work with regional emergency management, public safety professionals, and the private sector to define and prioritize technology needs.
- ▶ Coordinate and lead regional efforts to test, demonstrate, and deploy new and emerging technologies.
- ▶ Conduct forums focusing on prevention and emergency preparedness, response, and recovery.
- ▶ Provide information and expertise on new and emerging technologies, including chem-bio detection, analysis, and forensics; radiological detection; information analytics; explosives detection; and situational awareness.

ABOUT PNNL

Pacific Northwest National Laboratory is a Department of Energy Office of Science national laboratory where interdisciplinary teams advance science and technology and deliver solutions to America's most intractable problems in energy, the environment and national security. PNNL employs 4,800 staff, has an annual budget of nearly \$1.1 billion, and has been managed by Ohio-based Battelle since the lab's inception in 1965.

www.pnnl.gov

For more information regarding the Northwest Regional Technology Center, please visit <http://nwrtec.pnnl.gov> or contact:

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