

Current Agencies and State Partners

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Tennessee

Mississippi

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Georgia

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Kentucky

New Hampshire

South Dakota

North Dakota

Arizona

New York

New Jersey

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Identification and Monitoring of Radiation (in commerce) Shipments (IMRiCS) with Homeland Security Benefits

The Oak Ridge National Laboratory (ORNL) is currently prototype testing state-of-the-art sensor technologies associated with detection of radiological materials in-commerce. These technologies are deployed at an Evaluation User Facility at the I-40/I-75 Weigh and Inspection Station in Knoxville, TN and are being considered for use at locks on inland waterways in the Tennessee Valley Authority (TVA) system. This real-world testing addresses radiological and nuclear material detection in commerce and is part of a larger program entitled Performance-Based 21st Century Commercial Vehicle Inspection System.



The initial deployment in Tennessee is unique in that it is the first system of its kind to be installed at Weigh and Inspection Stations under the auspices of State safety and law enforcement entities. This initiative serves the security, safety and enforcement needs of local, state and federal government entities and utilizes the respective state's existing infrastructure. The weigh and inspection infrastructure and TVA's inland waterways lock system are a recognized and accepted infrastructure by the commercial carrier industry. **Safety Monitoring** includes vehicle operators, vehicle/vessel and cargo addressing safety of shipments in transport, identification of unsafe vehicles/vessels and carriers, and monitoring of domestic and foreign commercial vehicles (NAFTA). **Enforcement opportunities** address cargo safety, tracking, transport safety regulations, and hazardous materials regulations. **Homeland Security Applications** address Radiological Dispersive Devices (RDD) identification, identification of unsafe or illicit transport of hazardous materials including chemicals and radiological materials, and screening shipments for illicit drugs.



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AVAILABILITY OF INFORMATION

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