



**Homeland
Security**

Science and Technology

Highlight

U.S. Department of Homeland Security



System Assessment and Validation for Emergency Responders

The U.S. Department of Homeland Security (DHS) established the System Assessment and Validation for Emergency Responders (SAVER) Program to assist emergency responders making procurement decisions.

Located within the Science and Technology Directorate (S&T) of DHS, the SAVER Program conducts objective assessments and validations on commercial equipment and systems, and provides those results along with other relevant equipment information to the emergency response community in an operationally useful form. SAVER provides information on equipment that falls within the categories listed in the DHS Authorized Equipment List (AEL). The SAVER Program mission includes:

- Conducting impartial, practitioner-relevant, operationally oriented assessments and validations of emergency responder equipment;
- Providing information that enables decision makers and responders to better select, procure, use, and maintain emergency responder equipment.

Information provided by the SAVER Program will be shared nationally with the responder community, providing a life- and cost-saving asset to DHS, as well as to federal, state, and local responders.

The SAVER Program is supported by a network of technical agents who perform assessment and validation activities. Further, SAVER focuses primarily on two main questions for the emergency responder community: "What equipment is available?" and "How does it perform?"

To contact the SAVER Program Support Office
Telephone: 877-336-2752
E-mail: saver@dhs.gov
Visit SAVER on the RKB Web site:
<https://www.rkb.us/saver>

Portable X-ray Systems for Suspicious Package Screening

Portable X-ray systems are used by hazardous devices technicians to screen objects for explosives, weapons, drugs, and other contraband. A portable X-ray system typically consists of an X-ray source, an image capture unit, and a control and display unit. A portable X-ray system can be deployed to the site of its intended use so that objects, such as baggage, suspicious packages, and unexploded ordnance, can be X-rayed without being moved.

As a SAVER Program Technical Agent, the Space and Naval Warfare Systems Center (SPAWARSYSCEN) Atlantic has conducted a comparative assessment of portable X-ray systems for the SAVER Program. Prior to the assessment, SPAWARSYSCEN Atlantic conducted a market survey in order to provide information on commercially available equipment, and produced the *Portable X-ray Systems for Suspicious Package Screening Market Survey Report*. A focus group was then conducted to identify equipment selection criteria for the assessment, determine evaluation criteria, and recommend assessment scenarios. Results can be found in the *Portable X-ray Systems for Suspicious Package Screening Focus Group Recommendations* report.

All reports in the series, including the *Portable X-ray Systems for Suspicious Package Screening Assessment Report*, will be located in the SAVER section of the RKB Web site (<https://www.rkb.us/SAVER>) as they become available. Information on other technologies being evaluated by the SAVER Program can also be found on the Web site.



Responder Carrying a Portable X-ray System