



**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?"

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<https://www.rkb.us/saver>

Perimeter Intrusion Detection Sensors

Perimeter intrusion detection sensors provide perimeter security and may be used as stand-alone devices or in conjunction with other sensors, physical barriers, or access control systems to enhance the probability of detecting intruders crossing a boundary or entering a protected zone. Several different types of sensors are currently on the market, including microwave, vibration, electric field, capacitance, and fiber optic sensors.

As a SAVER Program Technical Agent, Science Applications International Corporation (SAIC) conducted a validation test of perimeter intrusion detection sensors on fixed fencing for the SAVER Program. Prior to the validation test, SAIC conducted a market survey in order to provide information on commercially available equipment, and produced the *Market Survey Report on Perimeter Intrusion Detection Sensors*.

Previously the Space and Naval Warfare Systems Center (SPAWARSYSCEN) Atlantic conducted a focus group on perimeter intrusion detection systems. Results can be found in the *Perimeter Intrusion Detection Sensors Focus Group Recommendations* report.

All reports in this series, including the *Validation Report for Perimeter Intrusion Detection Sensors*, 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.



Perimeter Intrusion Detection Sensor