



**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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Visit SAVER on the RKB Web site:

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

Automated Video Surveillance

Automated Video Surveillance (AVS) technologies provide the capability of automatically detecting security incidents or potentially threatening events taking place within the view of cameras. Simple systems detect motion in a camera's field of view. More advanced systems offer features such as object identification, tracking and analysis, perimeter intrusion detection, and abandoned/removed object recognition.

The Space and Naval Warfare Systems Center, Charleston, a SAVER Technical Agent, has assessed AVS technologies and applications for the SAVER Program, and produced the following reports. The *Automated Video Surveillance Assessment and Validation Report* provides a listing of AVS alarming capabilities, and details selected features and functionalities for each product. The *Automated Video Surveillance Tools Product and Vendor Catalog* provides a reference of commercially available equipment. The *Automated Video Surveillance at Night Technical Report* provides the results of an evaluation of AVS systems in nighttime surveillance applications.

All documents will be located on the SAVER Web site (<https://www.rkb.us/SAVER>) as they become available. Reports on other technologies being assessed in the SAVER Program can also be found on the Web site.



Automated Video Surveillance Technologies