



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; and
- 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 website:

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

Portable Intravenous Infusion Pumps

Portable intravenous (IV) infusion pumps allow medical personnel to set the amount of fluids or medication to be delivered to a patient over a specified time frame. Fluids and/or medication are delivered to the patient through plastic tubing, which is connected to an IV catheter that is inserted into a patient's vein. The focus of this project is on portable pumps that are used for pre-hospital emergency response or during ground, rotor-wing, and fixed-wing transport.

As a System Assessment and Validation for Emergency Responders (SAVER) Program Technical Agent, Science Applications International Corporation (SAIC) conducted a comparative assessment of portable IV infusion pumps for the SAVER Program. Prior to the assessment, SAIC conducted a market survey in order to provide information on commercially available equipment and produced the *Portable Intravenous (IV) Infusion Pumps Market Survey Report*. A focus group was also conducted to identify equipment selection criteria for the assessment, determine evaluation criteria, and recommend assessment scenarios. Results can be found in the *Portable Intravenous (IV) Infusion Pumps Focus Group Report*.

All reports in the series, including the *Portable Intravenous (IV) Infusion Pumps Assessment Report*, will be located in the SAVER section of the Responder Knowledge Base (RKB) website (<https://www.rkb.us/saver>) as they become available. Information on other technologies evaluated by the SAVER Program can also be found on the website.



Portable IV Infusion Pumps