



**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?"

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Visit SAVER on the RKB website:

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

## Pre-Hospital Ventilators

Ventilators are positive pressure devices that deliver regulated volumes of oxygen to adult and pediatric patients requiring respiratory support. Pre-hospital ventilators are used during emergency response operations or for 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 pre-hospital ventilators 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 *Pre-Hospital Ventilators 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 *Pre-Hospital Ventilators Focus Group Report*.

All reports in the series, including the *Pre-Hospital Ventilators 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.



**Pre-Hospital Ventilators**