Homeland Security
Science and Technology

Highlight

U.S. Department of Homeland Security
SAVER
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 responder 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 response equipment; and
- Providing information, in the form of knowledge products, that enables decision-makers and responders to better select, procure, use, and maintain emergency response equipment.

Information provided by the SAVER Program will be shared nationally with the emergency 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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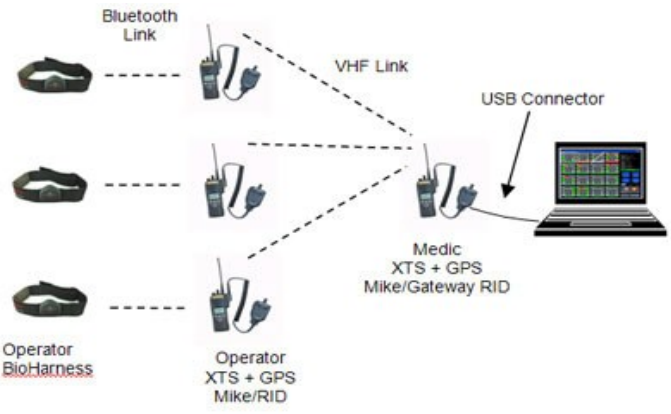
https://www.rkb.us/saver

Physiological Status Monitoring

Physiological status monitoring, also known as personnel physiological status monitoring, is a relatively non-intrusive method of collecting, recording, and reporting a user's vital signs in real time for extended periods of time. This technology is being developed for use in military and emergency responder applications.

To assist emergency responders' understanding of physiological status monitoring, the U.S. Army Natick Soldier Research, Development, and Engineering Center (NSRDEC) prepared a technote for the System Assessment and Validation for Emergency Responders (SAVER) Program. The *Physiological Status Monitoring TechNote* provides an overview of physiological status monitoring and discusses applications as well as ongoing research and development and limitations.

All reports in this series will be placed 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.



Depiction of a Physiological Status Monitoring System