



**Homeland
Security**

Science and Technology

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 operational tests 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, and 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-saving 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

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Visit the SAVER Web site: <https://www.rkb.us/saver>

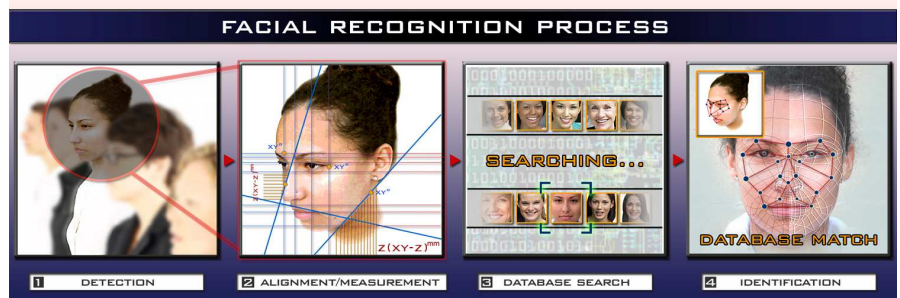
Highlight

Three-Dimensional Facial Recognition

Three-dimensional (3-D) facial recognition is a biometric technology that uses the unique and variable structure of the face captured from multiple angles. 3-D technology allows for flexibility in image comparisons and greatly increases the probability of matching a subject to a photo from a database of images. Using a computer to access a database of stored images, the facial characteristics are measured and compared to identify and/or verify the identity of an individual.

In order to assist emergency response agencies in making purchasing decisions, the Space and Naval Warfare Systems Center, Charleston, (SPAWARSYSCEN) developed the *Three-Dimensional Facial Recognition TechNote* to provide information on this technology.

All reports in the series as well as reports on other technologies 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.



3-D Facial Recognition