**Homeland Security**
Science and Technology

# Highlight

## Perimeter Intrusion Detection Sensors

Perimeter intrusion detection sensors provide perimeter security and may be used as stand-alone devices or in conjunction with other sensors, physical barriers, or access control systems to enhance the probability of detecting intruders crossing a boundary or entering a protected zone. Several different types of sensors are currently on the market, including microwave, vibration, electric field, capacitance, and fiber optic sensors.

As a SAVER Program Technical Agent, Science Applications International Corporation (SAIC) conducted a validation test of perimeter intrusion detection sensors on fixed fencing for the SAVER Program. Prior to the validation test, SAIC conducted a market survey in order to provide information on commercially available equipment, and produced the *Market Survey Report on Perimeter Intrusion Detection Sensors*.

Previously the Space and Naval Warfare Systems Center (SPAWARSYSCEN) Atlantic conducted a focus group on perimeter intrusion detection systems. Results can be found in the *Perimeter Intrusion Detection Sensors Focus Group Recommendations* report.

All reports in this series, including the *Validation Report for Perimeter Intrusion Detection Sensors*, will be located in the SAVER section of the RKB Web site (https://www.rkb.us/SAVER) as they become available. Information on other technologies being evaluated by the SAVER Program can also be found on the Web site.



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