Radar Systems for Through-the-Wall Surveillance

Radar systems for through-the-wall surveillance are handheld units typically used by law enforcement personnel to detect individuals behind doors, walls, and windows. These systems enhance situational awareness in operations such as forced entry and hostage rescue when knowledge of the whereabouts of individuals is beneficial.

As a System Assessment and Validation for Emergency Responders (SAVER) Program Technical Agent, the Space and Naval Warfare Systems Center (SPAWARSYSCEN) Atlantic conducted a comparative assessment of these radar systems for the SAVER Program. Prior to the assessment, SPAWARSYSCEN Atlantic conducted a market survey in order to provide information on commercially available equipment and produced the Radar Systems for Through-the-Wall Surveillance 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 Radar Systems for Through-the-Wall Surveillance Focus Group Report.

All reports in the series, including the Radar Systems for Through-the-Wall Surveillance 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.