

Joint Service Lightweight Stand-off Chemical Agent Detector (JSLSCAD)

Protects soldiers by identifying chemically contaminated battlespaces and providing enhanced early warning to joint forces.



DESCRIPTION AND SPECIFICATIONS

The Joint Service Lightweight Standoff Chemical Agent Detector (JSLSCAD) is a lightweight, passive, standoff chemical agent detector. The JSLSCAD will increase warfighter protection and maneuver unit combat capabilities through enhanced early warning for contamination avoidance. It will provide on-the-move detection, identification, mapping, and reporting of nerve, blister, and blood agent vapors.

The JSLSCAD communicates warning messages automatically through the Joint Warning and Reporting Network (JWARN). It will provide 360-by-23-degree coverage, from a variety of tactical and reconnaissance platforms, at distances of up to five kilometers. When avoidance is not possible, JSLSCAD will provide extra time for warfighters to don full protective equipment (i.e., mission oriented protective posture [MOPP] gear).

Intended applications include various ground vehicle, aerial, shipboard, and fixed-emplacement platforms such as the following:

- Light NBC Reconnaissance System (JSLNBCRS)
- Stryker NBC Reconnaissance Vehicle (NBCRV)
- Ships
- Fixed-site installations

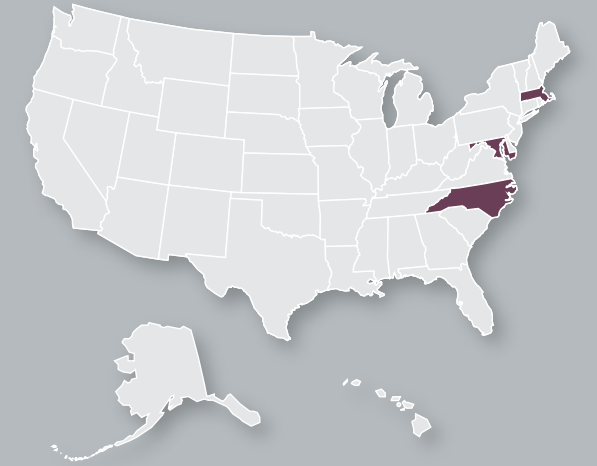
The Increment 1 JSLSCAD detector and the operator display unit weigh approximately 55 pounds. The power adapter used for shipboard and fixed-site applications weighs approximately 10 pounds. The detector is approximately one cubic foot and the total of all three components is approximately 1.5 cubic feet.

PROGRAM STATUS

- **1QFY04** Program restructured for Incremental Acquisition Strategy
- **3QFY04** Increment 1 production decision
- **4QFY04** Completed NBCRV limited user test

PROJECTED ACTIVITIES

- **3QFY06** Increment 2 Milestone C



CONTRACTORS

General Dynamics (Charlotte, NC)
Northrop Grumman (Linthicum, MD)
Bruker Daltonics (Billerica, MA)

INVESTMENT COMPONENT

Modernization

ACQUISITION PHASE

- System Development and Demonstration