

## *Joint Service Lightweight Standoff Chemical Agent Detector (JSLSCAD)*

### *DESCRIPTION*

JSLSCAD is a lightweight, passive, standoff, chemical agent detector capable of providing on the move, 360 degrees coverage. It can be employed from a variety of tactical and reconnaissance platforms at distances up to 8 kilometers while detecting an agent cloud within 15 seconds of entering the detector's field of view. It is a second-generation chemical agent vapor detector which improves upon the capabilities of the M21 (RSCAAL) first generation system.

PROCUREMENT PROFILE:	FY00	FY01
<i>Quantity:</i>	<i>0</i>	<i>0</i>

### *OPERATIONAL IMPACT*

The JSLSCAD is a sensor that will detect the presence or absence of nerve and blister agents at a distance up to 8 kilometers. The JSLSCAD can operate while on the move or from a stationary position, providing point and mobile detection. The System can also be employed from a fixed site. JSLSCAD platforms include the Lightweight Nuclear, Biological and Chemical Reconnaissance System (LNBCRS), Unmanned Agent Vehicles (UAVs), the Tactical Unmanned Ground Vehicles (TUGVs) and other vehicles. JSLSCAD will increase troop penetration and maneuver unit combat capabilities. It will provide enhanced early warning for contamination avoidance. When avoidance is not possible, it will provide extra time for warfighters to don full protective equipment.

### *PROGRAM STATUS*

Milestone II was in September 1996 and IOC is scheduled for FY03, FOC for FY05. JSLSCAD is sixth on the JSIG priority list.

### *DEVELOPER/MANUFACTURER*

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