

## *Automatic Chemical Agent Detector Alarm (ACADA)*

### *DESCRIPTION*

The ACADA is an automatic, man-portable, point sampling, field alarm capable of monitoring air in ambient atmosphere inside a collective protection environment (CPE) and when mounted on mobile or stationary standard wheeled and tracked vehicles, is capable of detecting the presence or absence of six nerve and blister agent vapors.

PROCUREMENT PROFILE:	FY00	FY01
<i>Quantity:</i>	<i>4,759</i>	<i>0</i>

### *OPERATIONAL IMPACT*

The ACADA is capable of manned or unmanned air monitoring in ambient atmosphere in either a man portable, mobile, or stationary configuration and can be integrated as a component of a battlefield chemical defense system. It can be employed in the open or in collective protection shelters, and on wheeled and tracked vehicles including the NBC reconnaissance system. The ACADA is capable of being employed remotely to provide early warning of approaching hazardous vapor clouds. Knowledge of the actual location of the chemical agent cloud assists commanders in their decision making processes and employment actions - maneuvering around the cloud, mitigating the potential damaging effects of the agent, and/or the potential negative impact on mission performance. The system will detect and monitor the presence of hazardous agents, provide an audible and visual alarm, and provide essential data to the affected unit. The ACADA detects 6 chemical agents. The ACADA will operate on battery and/or line power. The system will interface with automated battlefield communications systems (e.g. JWARN).

### *PROGRAM STATUS*

The ACADA program is eighth on the JSIG priority list. The ACADA replaces the M8A1 Chemical Agent Alarm and is currently being fielded to FMF units. FOC is scheduled for FY02. A Product Improvement to the ACADA will include a probe that will be employed to monitor personnel and equipment. The ACADA will be distributed down to the company/squadron level. It can operate on battery or line power, and it has a communications system that will interface with battlefield NBC defense detection, warning and reporting systems.

### *DEVELOPER/MANUFACTURER*

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