

**ARMY NATIONAL GUARD  
FY06 UFR**

**15 January 2005**

**SUBJECT:** M22 ACADA  
**FY06 UFR:** \$172M  
**APPN:** OPA  
**AREA OF INTEREST:** MODERNIZATION

**DESCRIPTION:** An advanced point-sampling, chemical-agent Alarm system. Capable of detecting, warning and identifying standard blister and nerve agent simultaneously. Man-portable, operates independently after system start-up. Replaces the M8A1 Alarm as an automatic point detector and augments the Improved Chemical Agent Monitor as a survey instrument.

**ISSUE JUSTIFICATION:** One of the top 25 ARNG equipping priorities is to field units with a capable, up-to-date chemical alarm. The ACADA is capable of detecting more than one chemical agent simultaneously, and is an excellent detector for Homeland Security missions. Currently the Army plans to field 8% of the total ARNG requirement. If not funded the ARNG will have to wait until the outdated M8 chemical Alarm, which is no longer in production, are cascaded from the AC. The M22 ACADA will affect the majority of ARNG combat, Combat Support, and Combat Service Support Units. The ACADA provides early warning against multiple threats over a broad spectrum in both combat and homeland defense missions.

**PROGRAM STATUS:** The Army National Guard has a total requirement of 19,046 M22 ACADA's. The ARNG currently has 1,892 M22 ACADAs on hand leaving a shortage of 17,154 at approximately \$10,000 each for an unfunded requirement of \$171,540,000.

**IMPACT OF FUNDING THE CAPABILITY:** Funding this system will allow the Army National Guard a better defense against a potential Chemical attack. The ACADA would give an early warning of a chemical attack and most likely save of lives. At present the ARNG depends upon the cascading of the outdated M8 alarm for a system to provide early warning of chemical attacks. The capability of chemical attack early warning will allow ARNG units the ability to deploy and inter-operate with the Active Components, as well as conduct Homeland Security missions.

***(Include for internal ARNG coordination/use only)***

**SUBJECT:** ACADA

**APPN:** OPA

**APE:**

**MDEP:**

**MDEP TITLE:** ACADA

**DAMO-ZR 1-N List Priority Number:**

**Division Priority:**

**Functional POC:** MAJ Elkins **Div:** ARF-M **Tel:** 703-607-7821

**Approval Authority:** COL Barrineau / NGB-ARF / 703-607-7800

	FY04	FY05
Validated Requirement	\$200M	\$172M
Unvalidated Requirement	0	0
Total Requirement	\$200M	\$172M
Funded Amount	0	0
Total UFR	\$200M	\$172M

Data is provided as of the FY04-05 Pres Budget position

**ANALYSIS:** The M22 ACADA is key for early warning against a chemical attack in both combat and homeland defense missions. This equates to a requirement of \$172 million dollars.

**\*Note:** Changes in requirements and unit costs due to the on-going design of the Modular Force require this information paper be updated periodically. Next analysis and update will occur in early March 05.