

## Meteorological Measuring Set – Profiler (MMS-P)

### PROGRAM/PROJECT:

**LEAD AGENCY:** United States Army (USA)

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### SERVICE AREA(S)/INITIATIVE(S)

- *National Aviation Weather Initiatives:*  
3: 5, 6

### FUNDING

- *Programmed/Planned (\$'s/FY):*                      \$4.7M /FY03                      \$12.5M /FY04

### TYPE OF PROGRAM/APPLICATION

Acquisition

### SCOPE OF PROGRAM/PROJECT

- *What's being developed, procured, etc.:* vehicle mounted system that provides current (“nowcast”) meteorological data throughout a defined area. Data can be used for ballistic computation or applied to other decision aids for battlefield operations.
- *How operations will be changed/improved:* improved receipt and processing of weather information from Air Force communications satellites and local sensors, and dissemination of meteorological information for application to ballistic solutions. This system will provide timely and accurate meteorological effects on munitions and firing solutions to Command and Control (C2) systems.

### PROGRAM/PROJECT MANAGEMENT

- *Basic guidance document for this program:* Interim DOD 5000.1/5000.2; Operational Requirements Document (ORD) Approved 15 Oct 99. Milestones I/II Approval 12 Apr 00.
- *Program/Project verification process:* Preliminary Design Review (PDR); Critical Design Review (CDR); Functional and Physical Configuration Audits.
- *Method used for product validation:* Developmental , Functional Validation, Acceptance, Operational, and Regression Testing.
- *Operational training for the user:* two weeks of operator training as part of the fielding. Sustainment training available through Computer Based Training (CBT) package fielded with the system. Institutional training provided by the US Army Field Artillery Center, Fort Sill. Complete operators course will be 11 weeks long; maintainers course will be 13 weeks long.

### SCHEDULE/IMPLEMENTATION

- *Next major program milestone:* Low Rate Initial Production (LRIP) Procurement (December 2004).
- *Program becomes operational:* The Profiler is scheduled for First Unit Equipped in the second quarter of fiscal year 2005 (2Q FY05).
- *Plans for further product improvements:* Enhance capability to receive/process high-resolution weather satellite imagery; ability to respond to data requests while on the move; expand model capability to 500km x 500km area.