

Integrated Meteorological System (IMETS)

PROGRAM/PROJECT:

LEAD AGENCY: United States Army (USA)

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SERVICE AREA(S)/INITIATIVE(S)

- *National Aviation Weather Initiatives:*
1: 9 2: 8 5: 7 6: 5 7: 6

FUNDING

- *Programmed/Planned (\$'s/FY):* \$10.4M /FY03 \$12.4M /FY04

TYPE OF PROGRAM/APPLICATION

Acquisition

SCOPE OF PROGRAM/PROJECT

- *What's being developed, procured, etc.:* a system to produce, display, and disseminate tailored mission weather forecasts, warnings, and decision aids for battlefield operations. There are three system configurations: vehicle-mounted, command post, and light configuration.
- *How operations will be changed/improved:* improved receipt and processing of weather information from a variety of sources and dissemination of weather/environmental information in graphical format to command systems to aid decision making. This system will provide timely and accurate weather and environmental effects on missions and weapon systems displayed on a Common Tactical Picture/Common Operational Picture (CTP/COP).

PROGRAM/PROJECT MANAGEMENT

- *Basic Guidance Document for the program:* As an Army Acquisition Project, guidance is provided in the DOD 5000.1/5000.2. Several documents provide guidance for project execution. These documents include the following: Program Summary, Acquisition Strategy, Acquisition Program Baseline, Test and Evaluation Master Plan, Operational Requirements Document, Integrated Logistics Support Plan
- *Project verification process:* There are at least four milestone reviews. Additional reviews/audits include the following : Preliminary Design Review, Critical Design Review, Functional and Physical Configuration Audits
- *Method used for end product validation:* Developmental , Functional Validation, Acceptance, Operational and Regression Testing
- *Operational training for the user:* three weeks of operator training and 1 week of maintainer training as part of the fielding. Recurring training is provided by the Weather Squadrons attached to the units to which IMETS has been fielded. In addition, the Air Force Combat Weather Center conducts training on an as needed basis. Additional operator training on developmental efforts associated with the Army Battle Command Systems (ABCS) work at the Fort Hood Central Technical Support Facility (CTSf) is also available on a limited basis.

SCHEDULE/IMPLEMENTATION

- *Next major program milestone:* Milestone C IPR (tentative, January 2005)
- *Program will become operational:* The IMETS Vehicle Mounted Configuration (VMC) is fielded and the Light Configuration (LC) IMETS has been fielded to selected high priority units. The Command Post Configuration (CPC) will be fielded beginning in 2005.
- *Plans for further improvements:* Enhance capability to receive/process high-resolution weather satellite imagery. Enhance the IMETS weather application software.