

Weather Data Analysis (WDA)

PROGRAM/PROJECT:

LEAD AGENCY: Headquarters United States Air Force, Directorate of Weather (HQ USAF/XOW)

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SERVICE AREA(S)/INITIATIVE(S)

- *National Aviation Weather Initiatives:*
N/A

FUNDING

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

TYPE OF PROGRAM/APPLICATION

Product Development

SCOPE OF PROGRAM/PROJECT

- *What's being developed, procured, etc.:* modernization of strategic weather production support for Air Force's Operational Weather Squadrons. It modernizes system interoperability and common user communications, upgrades/reengineers hardware and software, and delivers a separate development, test, and production environment. The Strategic Center at AFWA will be modernized through the use of an increment/block developmental evolutionary acquisition strategy, leveraging reusable software assets developed during each spiral/block.
- *How operations will be changed/improved:* a modernization of the Air Force Weather Agency (AFWA) Strategic Center's data processing and communications infrastructure will reduce overhead to sustain the system and to meet customer needs. It will eliminate duplication across Air Force weather systems.

PROGRAM/PROJECT MANAGEMENT

- *Basic guidance document for this program:* USAF Mission Needs Statement 003-94, 15 May 95. Centralized Aerospace Weather Capability (CAWC) Operational Requirements Document, 12 March 01.
Program's verification process: Will use design reviews, COTS Usage Risk Evaluation (CURE), and testing (DT/QT, FDE, etc).
- *Method used for end product validation:* (See above).
- *Operational training for the user:* Both hands-on and text training manuals (user's manual, etc.) are provided by the contractor.

SCHEDULE/IMPLEMENTATION

- *Next major program milestone:* FDE 28 Aug 03, End of Increment 1 24 Sep 03.
- *Program becomes operational:* First operational date is Sep 03.
- *Plans for further improvements:* Product and system improvements through FY09. Next major improvements in increment 2: Implementation of reengineered Point Analysis, Consolidated Dissemination Capability, System Health and Monitor System, and a Common Satellite Ingest System.