Open Principal User Processor (OPUP)

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.:*** *replacement of WSR-88D Principal User Processors at Air Force units.* It is being implemented in three spiral phases in support of Air Force Weather's reengineering. Spiral 1 installs four large OPUPs in the Air Force's four Operational Weather Squadrons (regional weather hubs) in the continental United States and two additional units for system development and a support hot line capability established at the NEXRAD Operational Support Facility (OSF). Spiral II will install three medium sized OPUPs and three small OPUPs (OSF, Patrick AFB and Vandenberg AFB) and a system at the weather training school at Keesler AFB. Spiral III will install 27 small OPUPs at 27 Combat Weather Team (unit level) locations worldwide.
- ***How operations will be changed/improved:*** *an improved graphical user interface and a capability to provide multiple dedicated connections from a common workstation and rapid access to convective hazard information.*

PROGRAM/PROJECT MANAGEMENT

- ***Basic guidance document for this program:*** Requirements for this program are documented in the Air Force AF Form 1067, approved by Weather Weapon System Product Improvement Working Group (PIWG) 16 Jul 96.
- ***Program's verification process:*** Developmental Test and Evaluation during Spiral I & II, critical design review, and full system testing.
- ***Method used for product validation:*** ROC will evaluate system performance against specified requirements.
- ***Operational training for the user:*** Both hands-on and text training materials are provided by the contractor to users to allow the government to make effective use of the system.

SCHEDULE/IMPLEMENTATION

- ***Next major program milestone:*** Spiral II and III are scheduled for completion in Sept 2003.
- ***When program will become operational:*** OPUP is an operational system.
- ***Plans for further product improvements:*** N/A