

## Operational Weather Squadron Production System II (OPS II)

### 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 Dissemination

### SCOPE OF PROGRAM/PROJECT

- *What's being developed, procured, etc.:* a weather information production system to support the Air Force's new regional Operational Weather Squadrons (OWS). OPS II consists of a suite of servers, workstations, networking equipment, and application software.
- *How operations will be changed/improved:* enables OWS forecasters to produce and disseminate products to weather units supporting operations. It uses strategic level and indigenous weather information and data to produce standardized and on-demand forecast products. OPS II enables the OWS to prepare terminal aerodrome forecasts and point weather warnings for AF bases and Army posts in its area of responsibility.

### PROGRAM/PROJECT MANAGEMENT

- *Basic guidance document for this program:* Strategic Plan for Air Force Reengineering and OPS II Program Development Plan (PDP). Operational Requirements Document USAF 001-94-I/II/III-B, Forecast System – 21st Century, 25 Mar 99.
- *Program's verification process:* Spiral development acquisition strategy. Each spiral consists of a 12-18 month period where the government and contractor test against identified requirements. Configuration and functional audits have been completed. A Qualification Operational Test & Evaluation (QOT&E) was conducted in Dec 99 on the Spiral 1B1 hardware and software. In Dec 01, a Force Development Evaluation (FDE) was conducted on the Increment 3.2.2 hardware and software. An FDE will be conducted before each incremental delivery.
- *Method used for end product validation:* All products created by the forecasters in the different OWS functions (flight weather briefer, TAF/WW/METWATCH, regional graphics, etc) must go through the chief forecaster before being released to the OWS web page. The OWS also keeps monthly metrics on the accuracy of their forecasts.
- *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. Additional training is provided on request.

### SCHEDULE/IMPLEMENTATION

- *Next major program milestone:* N/A
- *Program becomes operational:* OPS II reached Final Operational Capability (FOC) 4QFY02.
- *Plans for further product improvements:* Follow-on advanced development is anticipated as improvements to numerical modeling are developed and computer resources continue to improve. Follow-on improvements through technology refreshments and incremental technology insertions are planned throughout the incremental deliveries.