Tactical Weather Radar (TWR)

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:***
  2: 5, 9

FUNDING

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

TYPE OF PROGRAM/APPLICATION

Decision Support

SCOPE OF PROGRAM/PROJECT

- ***What's being developed, procured, etc.:*** *fixed and semi-fixed Tactical (doppler) Weather Radars (TWR).* A total of 7 fixed, 2 semi-fixed and 1 depot radar are being procured to provide resource protection at overseas locations.
- ***How operations will be changed/improved:*** *provide weather information for resource protection at fixed and deployed environments (overseas).*

PROGRAM/PROJECT MANAGEMENT

- ***Basic guidance document for this program:*** Combat Air Force (CAF) USAF Mission Needs Statement (CAF MNS) 301-93, Tactical Weather Radar (TWR), 1 Nov 93. Operational Requirements Document (ORD), USAF (CAF) 301-92-I/III, 4 June 97,
- ***Program's verification process:***
- ***Method used for product validation:*** Product validation based on certified manufacturers test data. Factory and field system acceptance testing accomplished for each production system delivered.
- ***Operational training for the user:*** Both hands-on and text initial training materials were provided by the contractor during installation to allow the government to make effective use of the system. Computer based follow-on training is also available.

SCHEDULE/IMPLEMENTATION

- ***Next major program milestone:*** N/A
- ***When program will become operational:*** TWR is an operational system.
- ***Plans for further improvements:*** Follow-on system modifications are anticipated as improvements to the radar system are developed by the prime equipment manufacturer. Follow-on improvements through incremental technology insertions are planned through FY07.