Joint Weather Impacts System (JWIS)

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.:*** *web-based system that summarizes weather-driven performance predictions of various weapon systems against a range of targets*. JWIS is designed to exploit advances in information technology while satisfying war fighter demand for specialized, timely, and accurate weather information.
- ***How operations will be changed/improved:*** *enables predictive battle space awareness and allows for the display of war fighter impacts*. JWIS will serve as the primary weather information link between all elements of an Aerospace Expeditionary Force (AEF).

PROGRAM/PROJECT MANAGEMENT

- ***Basic guidance document for this program:*** Requirements for this program are documented in Mission Needs Statement, USAF 001-94, Meteorological Operations Capability, 7 Mar 95 the Operational Requirements Document, USAF 006-00.
- ***Program's verification process:*** Developmental Test & Evaluation followed by Final Acceptance Testing of the software deliverable, and an Operational Assessment thereafter. Developmental software is demonstrated at the Joint Expeditionary Force Experiment (JEFX) and the Mission Planning User Conference (MPUC).
- ***Method used for end product validation:*** Standard Air Force weather models are the source of data. The threat rules are submitted by the services and incorporated into the software.
- ***Operational training for the user:*** Hands-on training is being provided by the JWIS contractor team to users/operators to allow the government to make effective use of the system.

SCHEDULE/IMPLEMENTATION

- ***Next major program milestone:*** N/A
- ***Program becomes operational:*** N/A
- ***Plans for further improvements:*** Follow-on improvements through technology refreshments and incremental technology insertions are planned through FY09.