

Operational and Supportability Implementation System (OASIS)

PROGRAM/PROJECT: [<http://www1.faa.gov/aua/oasis/>]

LEAD AGENCY/ COLLABORATING AGENCIES: Federal Aviation Administration (FAA)

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SERVICE AREA(S)/INITIATIVE(S)

- ***National Aviation Weather Initiatives:***
1: 9 2: 8 5: 7 6: 5 7: 6 8: 3

FUNDING: (F&E Baseline)

- ***Programmed/Planned (\$'s/FY):*** \$20M /FY04

TYPE OF PROGRAM/APPLICATION

Acquisition/Decision Support

SCOPE OF PROGRAM/PROJECT

- ***What's being developed, procured, etc.:*** a commercial off-the-shelf/non-developmental item (COTS/NDI) system that enhances the air traffic specialist's ability to provide flight plan processing, weather briefing information, and search and rescue services in support of general aviation pilots. OASIS is being developed to eventually update weather operations workstations at 61 Automated Flight Service Stations.
- ***How operations will be changed/improved:*** The OASIS system will provide for on-going operational support, enabling flight service specialists to more efficiently provide weather and flight information for general aviation pilots. OASIS will provide significant improvement in the computer-human interface by replacing the existing consoles and providing displays with a graphical user interface.

PROGRAM/PROJECT MANAGEMENT

- ***Basic guidance document for this program:*** OASIS Integrated Program Plan.
- ***Program/Project verification process:*** Planned formal reviews for OASIS include: Test Readiness Reviews; a functional configuration audit (FCA); periodic system engineering reviews; technical exchange meetings (TEMs) as required; and, program management reviews (PMRs).
- ***Method used for end product validation:*** The scope of the OASIS T&E program encompasses all testing conducted during the OASIS program life cycle. The T&E program is comprised of the following phases: system test, IOT&E phase, field familiarization, and Final Operational Capability (FOC) acceptance T&E.
- ***Operational training for the user:*** The FAA Academy instructors will train a cadre of instructors for each site. Training for the qualified FSS specialists currently at the sites will be conducted by the site Cadre instructors between the time the equipment is deployed to the site and the site is commissioned. Classroom instruction, text materials, and hands-on training methods will be utilized. The contractor will conduct training for FAA maintenance technicians at each site during initial deployment.

SCHEDULE/IMPLEMENTATION

- ***Next major program milestone:*** 26th system installed by Dec 2004.
- ***Program becomes operational:*** The In-Service Decision (ISD) for OASIS took place in June 2002.
- ***Plans for further improvements:*** Evaluate applicability of weather products from Aviation Weather Research Program (AWRP) and Weather and Radar Processor (WARP) Stage III.