

Aviation Digital Data Service (ADDS)

PROGRAM/PROJECT: Aviation Weather Research Program/Aviation Forecasts Product Development Team
[<http://adds.aviationweather.gov/>]

LEAD AGENCY/COLLABORATING AGENCIES: Federal Aviation Administration (FAA), National Oceanic and Atmospheric Administration (NOAA) and the National Center for Atmospheric Research (NCAR)

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SERVICE AREA(S)/INITIATIVE(S)

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

FUNDING

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

TYPE OF PROGRAM/APPLICATION

R&D/Product Development

SCOPE OF PROGRAM/PROJECT

- *What's being developed, procured, etc.: an internet (web based) weather information service.* ADDS is a digital database that enables aviation end-users, including airlines, general aviation, and dispatchers, to acquire aviation weather information easily and with minimal cost. The ADDS Flight Path Tool provides vertical cross sections of aviation weather hazards such as icing, turbulence, and thunderstorms along user specified flight paths.
- *How operations will be changed/improved: enables aviation end-users to acquire aviation weather warnings and forecasts, observations, and a variety of alphanumeric and graphical products via the internet.* ADDS helps reduce delays and enhance safety and efficiency of the National Airspace System by increasing the shared situational awareness among aviation decision makers through accurate and timely graphical weather information.

PROGRAM/PROJECT MANAGEMENT

- *Basic guidance document for this program:* AWRP Technical Direction for the Aviation Forecasts Product Development Team.
- *Program/Project verification process:* Monthly and Quarterly Reporting, Program Reviews, and RE&D Advisory Committee Project Assessments.
- *Method used for end product validation:* Real Time Verification System (RTVS) and real-time user feedback.
- *Operational training for the user:* Training tutorial on the ADDS website for the Flight Path Tool.

SCHEDULE/IMPLEMENTATION

- *Next major program milestone:* N/A
- *Program becomes operational:* ADDS became operational at the Aviation Weather Center on Sept 30, 2003.
- *Plans for further improvements:* Enable ADDS to monitor METARs, TAFs, and PIREPs for user-specified conditions; enable the Flight Path Tool to display forecasts of clouds; enable hand-held wireless devices to display ADDS products; explore making weather training material available via ADDS; enable ADDS to display a national-domain ceiling and visibility product.