

Weather Information Network (WINN)

PROGRAM/PROJECT: Aviation Safety Program/Weather Accident Prevention Project

LEAD AGENCY/COLLABORATING AGENCIES: National Aeronautics and Space Administration (NASA) and Honeywell under a Cooperative Research Agreement (CRA).

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SERVICE AREA(S)/INITIATIVE(S)

National Aviation Weather Initiatives:

N/A

FUNDING

- *Programmed/Planned (\$'s/FY):* FY04 FY05

TYPE OF PROGRAM/APPLICATION:

R&D

SCOPE OF PROGRAM/PROJECT

- *What's being developed, procured, etc.:* a cockpit display and communications capability to deliver near real-time ground-based graphical weather products and other beneficial information to the cockpit and to the Airline Operation Centers.
- *How operations will be changed/improved:* The commercial airline flight crew will have on-demand access to aviation weather information and updates, and automatic access to hazardous weather alerts as they are generated.

PROGRAM/PROJECT MANAGEMENT

- *Basic guidance document for this program:* Honeywell/NASA CRA, contracts with team participants, WxAP Project Plan.
- *Program/Project verification process:* Internal design reviews, customer formal and informal, simulator and revenue aircraft, evaluations and associated reports, quarterly reviews with NASA.
- *Method used for end product validation:* Demonstration/evaluation during in-service evaluations (ISE) on revenue airline flights and flight simulators, ISE on NASA B-757 flight-test aircraft.
- *Operational training for the user:* Hands-on classroom, operator's manual, ground-based network version for training, jump seat trained instructors.

SCHEDULE/IMPLEMENTATION

- *Next major program milestone:* WINN CRA completed in November 2002. Capability to be included in Honeywell's Epic line of avionics.
- *When program will become operational:* N/A
- *Plans for further improvements:* N/A