General Aviation Oriented Electronic Pilot Report (E-PIREP) Generation and Datalink System

PROGRAM/PROJECT: Aviation Safety Program/Weather Accident Prevention Project [http://awin.larc.nasa.gov/e-pirep_abs1.htm]
LEAD AGENCY/COLLABORATING AGENCIES: National Aeronautics and Space Administration (NASA), Federal Aviation Administration (FAA), and the National Weather Service (NWS).
LEAD AGENCY POINT OF CONTACT: Gus Martzaklis, GRC, 216-433-8966, Konstantinos.S.Martzaklis@nasa.gov
PROGRAM POINT OF CONTACT: Taumi Daniels, LaRC, 757-864-4659, t.s.daniels@larc.nasa.gov; Paul Stough, LaRC, 757-864-3860, h.p.stough@larc.nasa.gov.

SERVICE AREA(S)/INITIATIVE (S)

- ***National Aviation Weather Initiatives:***
  N/A See NASA-6A

FUNDING

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

TYPE OF PROGRAM/APPLICATION:

R&D/Product Development

SCOPE OF PROGRAM/PROJECT

- ***What's being developed, procured, etc:*** *a system for the automatic reporting (E-PIREP) of weather information from general aviation aircraft via VHF data link (VDML).*
- ***How will operations be changed/improved:*** *Such applications include both real-time sharing of data between equipped aircraft, and inclusion of E-PIREP data into weather analysis, modeling, and forecasting processes to create more accurate predictions of hazardous conditions.*

PROGRAM/PROJECT MANAGEMENT

- ***Basic guidance document for this program:*** N/A
- ***Program/Project verification process:*** N/A
- ***Method used for product validation:*** N/A
- ***Operational training for the user:*** N/A

SCHEDULE/IMPLEMENTATION

- ***Next major program milestone:*** This cooperative research effort with industry partner Honeywell completed Phase I of activity. Honeywell chose not to pursue Phase II.
- ***Program becomes operational:*** Program activity was superseded by in-house effort called Tropospheric Airborne Meteorological Data Reporting (TAMDAR).
- ***Plans for further improvements:*** N/A