

Meteorological Data Collection and Reporting System (MDCRS)

PROGRAM/PROJECT: <http://www.arinc.com/products/weather/mdcrs.html>

LEAD AGENCY/COLLABORATING AGENCIES: Federal Aviation Administration (FAA), National Oceanic and Atmospheric Administration (NOAA)/National Weather Service (NWS)

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SERVICE AREA(S)/INITIATIVE(S)

- *National Aviation Weather Initiatives:*
1: 3 2: 4 3: 2, 5, 6 5: 4, 6 6: 4

FUNDING

- *Programmed/Planned (\$'s/FY):* /FY03 /FY04

TYPE OF PROGRAM/APPLICATION

Operational Improvement/Product Development

SCOPE OF PROGRAM/PROJECT

- *What's being developed, procured, etc.:* the capability for appropriately equipped aircraft to automatically down link temperature, wind, and moisture data.
- *How operations will be changed/improved:* increases number of upper air observations being assimilated into numerical models thereby increasing forecast accuracy without increasing pilot workload.

PROGRAM/PROJECT MANAGEMENT

- *Basic guidance document for this program:* Interface control document (ARINC).
- *Program/Project verification process:* Monthly reports, software testing (NWS).
- *Method used for end product validation:* N/A
- *Operational training for the user:* N/A

SCHEDULE/IMPLEMENTATION

- *Next major program milestone:* N/A
- *Program becomes operational:* MDCRS is currently operational.
- *Plans for further improvements:* Continue to implement this capability with additional airlines.