

Ground-Based Remote Icing Detection System (GRIDS)

PROGRAM/PROJECT: Aviation Weather Research Program, In-Flight Icing Product Development Team, [http://www.faa.gov/aua/awr/]

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

LEAD AGENCY POINT OF CONTACT: Dave Pace, 202-314-1316, david.pace@auatac.com

PROGRAM POINT OF CONTACT: Marcia Politovich, NCAR, 303-497-8449, marcia@ucar.edu

SERVICE AREA(S)/INITIATIVE (S)

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

FUNDING

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

TYPE OF PROGRAM/APPLICATION

R&D

SCOPE OF PROGRAM/PROJECT

- ***What's being developed, procured, etc:*** technology for the ground-based detection of in-flight icing using a microwave radiometer and a millimeter cloud radar.
- ***How will operations be changed/improved:*** provide the ability to avoid areas of icing, including Super Large Droplets (SLD), which pose a serious icing threat to en-route aircraft.

PROGRAM/PROJECT MANAGEMENT

- ***Basic guidance document for this program:*** AWRP Technical Direction for the In-Flight Icing Product Development Team.
- ***Program/Project verification process:*** Monthly and quarterly reporting, program reviews, and RE&D Advisory Committee Project Assessments.
- ***Method used for product validation:*** N/A
- ***Operational training for the user:*** N/A

SCHEDULE/IMPLEMENTATION

- ***Next major program milestone:*** N/A
- ***Program becomes operational:*** if GRIDS is implemented it would be a component of CIP.
- ***Plans for further improvements:*** N/A