

## Forecast Icing Potential (FIP)

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

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

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### **SERVICE AREA(S)/INITIATIVE(S)**

- *National Aviation Weather Initiatives:*  
5: 1, 8, 10

### **FUNDING:**

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

### **TYPE OF PROGRAM/APPLICATION**

R&D/Product Development

### **SCOPE OF PROGRAM/PROJECT**

- *What's being developed, procured, etc.:* a product of forecast icing potential using information from the Rapid Update Cycle (RUC) model.
- *How operations will be changed/improved:* use of operational model output will produce improved icing products, such as an hourly gridded depiction or forecast of in-flight icing with higher horizontal resolution, and depictions of icing severity, type, and probability in a specified region.

### **PROGRAM/PROJECT MANAGEMENT**

- *Basic guidance document for this program:* AWRP In-Flight Icing Product Development Team Technical Direction.
- *Program/Project verification process :* Monthly and quarterly reporting; semi-annual program reviews, RE&D Advisory Committee project assessments; science panel reviews; use of test beds for demonstrations and evaluations
- *Method used for end product validation:* Verification of product improvements via the real-time verification system
- *Operational training for the user:* Hands-on training provided for Aviation Weather Center (AWC) forecasters; internet information available for internet users.

### **SCHEDULE/IMPLEMENTATION**

- *Next major program milestone:* N/A
- *Program becomes operational:* 4Q 2003
- *Plans for further improvements:* FY05- add SLD product; FY07- add icing severity; FY08- add Alaska FIP.