

## Current Icing Potential (CIP)

**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, 11

### **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 current icing potential using information from many sources including satellite imagery, Rapid Update Cycle (RUC) model, surface observations, NEXRAD data, and pilot reports.
- *How operations will be changed/improved:* integration of operational model output with real-time sensor data 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:* CIP went operational on March 27, 2002.
- *Plans for further improvements:* FY04- change to 20km grid; FY07- add icing intensity and CIP for Alaska.