

# AVIATION TESTBED GOES-R Proving Ground

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NWS Alaska Region

# Proving Ground Demonstration Proposal

- **Project Title:** GOES-R Proving Ground Aviation Testbed
- **Organization:**
  - (1)AK Aviation Weather Unit; Aviation Weather Center, Kansas City, MO; NWS Region RAMS
- **Products to be demonstrated :**
  - (1)Volcanic Ash Detection and Height
  - (2)Convective Initiation
  - (3)Low Cloud and Fog
  - (4)Cloud Top Height
  - (5)Aircraft Icing Threat
- **Demonstration Project Summary:**
  - (1)To improve forecaster skills resulting in more accurate and timely forecasts and warnings.
  - (2)To educate developers in Aviation-related operations and constraints
  - (3)To educate forecasters in latest aviation research
  - (4)To support the production of aviation weather products using IC4D, AWIPS, and AWIPS II.

- **Participants (Centers) involved:**

- (1) Providers

- a. NOAA/NESDIS
    - b. CIMSS
    - c. CIRA
    - d. SPoRT

- (2) Consumers

- a. Alaska Aviation Weather Unit
    - b. Aviation Weather Center
    - c. NWS Forecast Office

- **Project schedule/duration (timeline):**

- (1) Begin: June 2010 (planning)
  - (2) SPoRT visit to Alaska August 2010
  - (3) SWPC visit to Alaska August 2010
  - (4) First products into testbed: September 2010
  - (5) Midterm Report: November 2010
  - (6) Final Evaluation Report: January 2011

- **Project decision points and deliverables**

- (1) Proving Ground Operations Plan
  - (2) Proving Ground Experiment Final Report

- **Responsibilities and Coordination**

- (1) Gary Hufford, AK Regional Scientist
  - (2) Bruce Entwistle, NOAA/NCEP/AWC
  - (3) RAMS from each region

- **Budget and resource estimate = 15K (travel, incidentals)**