



TAMDAR Development Strategy
Tri-Agency Team

Prepared for the

**NASA Weather Accident Prevention
Annual Project Review**

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Background



- Formed TAMDAR Interagency Team
 - FAA/NASA/NWS
- Developing Operational Concept for collection and distribution of Aircraft Derived Meteorological Information below FL200
- Conducting TAMDAR studies to provide input to the FAA alternatives analysis.
 - NASA Langley - Sensors & Incentives
 - NASA Glen - Communication Alternatives
 - FSL - Data Quality

Government Initiatives

- FAA/NWS partners in current Meteorological Data Collection and Reporting Service (MDCRS)
 - MDCRS data is basis for quality of current RUC model forecasts
 - TAMDAR data could fill current data void regions leading to even better RUC model forecasts
- FIS Data Link Policy addresses the need to conduct investment analysis
- FAA Safer Skies recommended study of government/industry role in the development/implementation of TAMDAR system

Benefits

- Improve quality of Models/Forecasts to include warnings/advisories
- Alert NAS users of weather hazards
- Confirm existing weather conditions

Issues/Concerns

- Quality and Coverage of Aircraft Derived Meteorological Data
- Accuracy of Sensors
- Development of Business Case to support system architecture