

Friends and Partners Meeting

Vision for Aviation Weather Policies

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Other Topics

- **Working Parameters**
- **Activities for Another Day**



Working Parameters

- **Constrained Budget**
- **High Performing Organization**
 - Enterprise Architecture
 - Business Case
 - Benefit/Cost
 - Measured Performance, “Move the Metrics”



Topics for Another Day

- **Requirements**
 - Functional
 - Performance
- **Policies**
 - Government and Private Sector Roles & Responsibilities
 - Standards
 - Who Pays for What
 - Operational Responsibilities
 - Interagency Roles & Responsibilities
 - Technical/Operational Service Issues



Government & Private Sector Roles & Responsibilities

- What will be the government's role in provision of "official" weather information (three dimensional, current and future, digital) to all NAS decision makers:
 - Observations
 - Forecasting
 - Dissemination
 - Display design
 - Display systems
 - Standards for the above



Standards

- **Consistency**: How do we ensure that weather information from multiple providers used by decision makers in the NAS is consistent?
 - Temporally and spatially
 - Intensity of the phenomena
- **International**: How do we achieve global standardization in view of rapid changes in the way U.S. does business?



Who Pays for What

- Who pays for in-situ aircraft data?
- Who pays for other observations?
- Who pays for generation and uplink of weather information to the cockpit?
- Who pays for the distributions networks?



Operational Responsibilities

- **Will controllers/machines assume responsibility for tactical separation of aircraft from hazardous weather?**
- **How long will government continue to produce legacy products and product forms (e.g., alphanumeric descriptions of weather phenomena) after the same information is available in digital format?**



Interagency Roles & Responsibilities

- How will interagency weather R&D be managed for efficient and rapid implementation?
- Which entities will develop, manage, and maintain the 4D weather information network?



Technical/Operational Issues

- Will the code for digital weather information be BUFR, GRIB, or some other code?
- Which weather information will be produced in probabilistic terms and how will it be phased in?



Correct Use of Gridded Data

- How does the regulator assure that information, generated from gridded data, is of high quality at the point of use by decision maker?
- Historical process:
Obs→Forecasting→AlphaNum/Graphics→DirectDisplayToUser
- Future process:
Obs→Forecasting→GriddedDataSet→Process/DisplayToUser
- Alternatives:
 - certify product generation software?
 - certify QA processes?
 - certify staff credentials, procedures, and infrastructure (EWINS model)?



Stay Tuned. More to Follow.

