National Business Aviation Association Meeting

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Supporting the Nation’s Commerce with Information for Safe, Efficient, and Environmentally Sound Transportation
Status on the Graphical Turbulence Guidance - Implementation

- Aviation Weather Center task is to support AWRP products running at AWC in pre-D4 status and after D4 status.

- GTG-2 / InSitu Turbulence Implementation
  - Product ‘technically’ ready for D4 operational implementation
  - Planned operational implementation: Winter 2008

- Important remaining tasks include:
  - Completion of FAA Operational Suitability Evaluation (OSE)
  - ‘D4’ transition approval
  - Final NWSHQ approval
  - Final operational stability testing
Status on the Graphical Turbulence Guidance - 2 Implementation (cont’d)

- Data currently available on Experimental ADDS
- Includes data from FL100-FL200 (FL200-FL450 already available)
- Utilizes real-time In-Situ turbulence data
- Better quality to control to prevent over forecasting of moderate to severe turbulence

The GTC is an automatically-generated turbulence forecast product that supplements ARMETs and SIMETs by identifying areas of turbulence. The GTC is not a substitute for turbulence information contained in ARMETs and SIMETs. It is authorized for operational use by meteorologists and dispatchers.

Maximum turbulence intensity (10000 ft. MSL to FL450)
Analysis valid 1500 UTC Thu 20 Sep 2007

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Status on the Graphical Turbulence Guidance - 2 Implementation (cont’d)

- Will be available to end users in GRI B format via:
  - NOAAPort (WMO header list available from AWC)
  - FTP from the NWS Telecommunications Gateway

- Will be available in graphical form on Operational ADDS:
  - Operational ADDS ([http://adds.aviationweather.gov/ turbulence](http://adds.aviationweather.gov/turbulence))

- GRI B format allows end users to integrate GTG-2 into a multitude of systems

- Future products will be output in GRI B-2 format
**AWC Web PI REP Interface**

- Password protected and secure web interface allowing airline dispatchers to share PI REP with the entire aviation community (since April 2003)
- Account for nearly 10% of all PI REP
- Majority of the reports we receive include turbulence information
- Contact the AWC if you are interested in acquiring account access

Top Participants:
1. Alaska Airlines
2. Southwest Airlines
3. Delta Airlines
4. Continental Airlines
5. CWSUs

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