

# Friends/Partners of Aviation Weather

Air Traffic Organization  
Operations Planning  
Aviation Weather Policy &  
Requirements Group

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Federal Aviation  
Administration



# Recent In-situ Turbulence Work

## –FY06

- FAA/NWS/NASA Completed the developed of the In-Situ turbulence Concept of Use.

## –FY07

- FAA Airborne Turbulence Reporting Team tasked with aligning the Concept of Use recommendations with the NextGen vision
  - Develop capability to measure and report turbulence that is (1) calibrated to predict aircraft specific impact and (2) supports numerical forecasting of turbulence (with human input or automated) to express output in the same metrics as the original observation



# Future In-situ Turbulence Work

–FY08

- Document requirements for In-situ Turbulence Index and Turbulence Impact metrics
- Conduct Operational Capability Demonstration of these metrics
- Convene a panel to:
  - Review the scientific maturity of these metrics
  - Review the results of the operational capability demonstration
- Complete the business case for the In-situ Turbulence Reporting

