Turbulence Information Needs

Presented to: Friends/Partners in Aviation Weather
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Turbulence JSAT/JSIT

• The Commercial Aviation Safety Team (CAST) chartered the turbulence Joint Safety Analysis Team (JSAT) and then Joint Safety Implementation Team (JSIT) over a several year period.

• The results of the JSIT were published in July 2004 and contained four projects and three R&D efforts to reduce or mitigate the effects of turbulence.
Turbulence JSIT Projects

- Implement Best Practices for Turbulence Avoidance
- Improve the Quality of Turbulence Information
- Enhanced Airborne Turbulence Warnings
- Implement Cabin Injury Reduction During Turbulence
  - Active In-flight Turbulence Mitigation (R&D)
  - Enhanced Airborne Turbulence Warnings (R&D)
  - Reduce Cabin Injuries During Turbulence (R&D)
Update on Progress

• Only “Implement Cabin Injury Reduction During Turbulence” is on the active CAST list. It includes:
  – Develop best practices for policies, procedures, training and flight crew/cabin crew communications to minimize cabin occupant exposure to turbulence.
  – Document best practices into Advisory Circular
  – Revise procedures, develop training, implement annual recurrent training for flight and cabin crews.

• Safety Enhancement Reserved for Future Implementation (SERFI)