



Aviation Safety Program

Weather Accident Prevention Project Annual Review

Hampton, Virginia

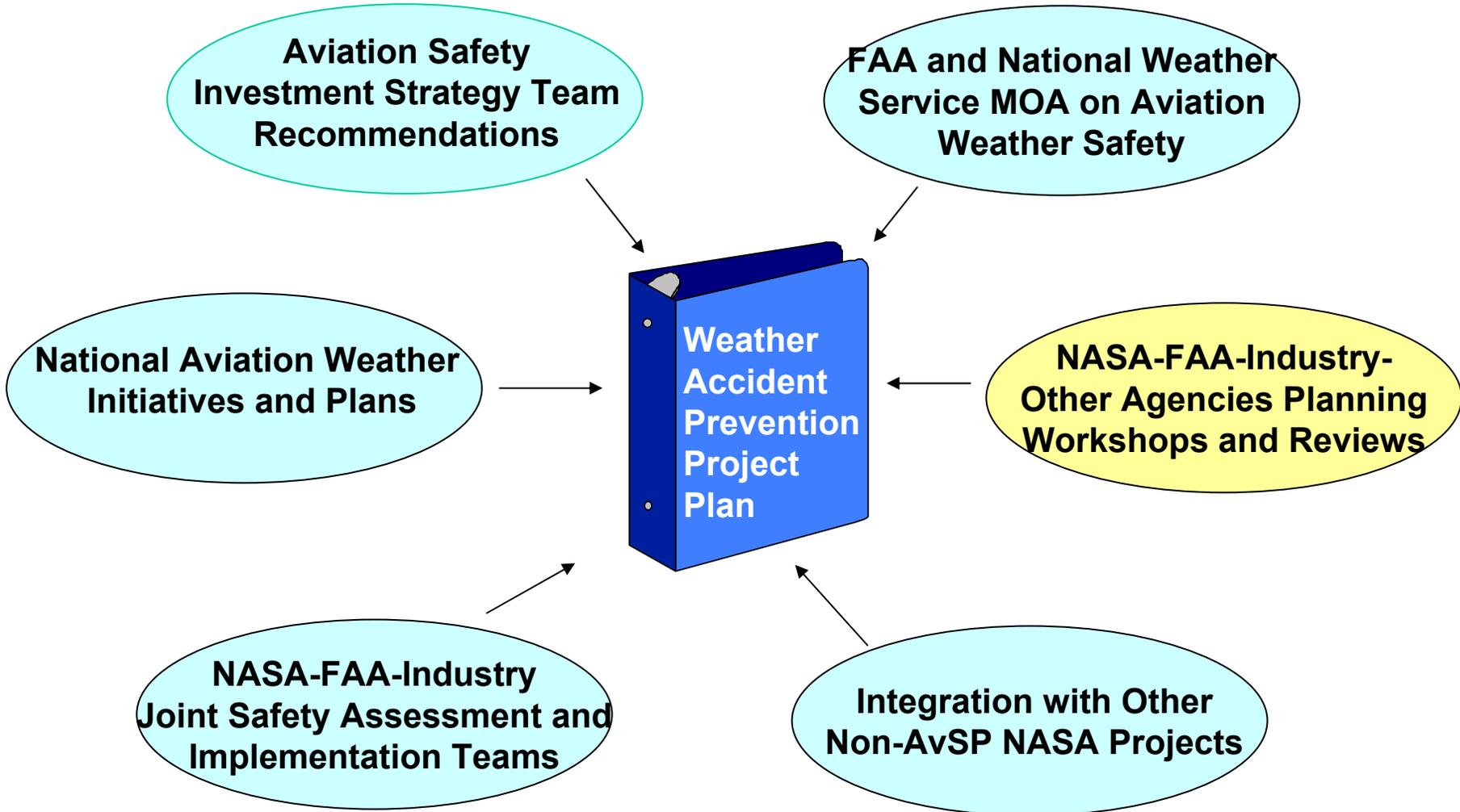
May 23-25, 2000

Review Objectives



- Solicit feedback on NASA's Weather Safety Plans and activities from the aviation community.
 - Q&A session after presentations
 - Discussion sessions last day of the review
 - Survey of NASA plans/products
- Catalyst for future partnerships and collaboration with aviation community
- Enhanced integration of NASA Weather Accident Prevention Project Elements
- Preparation for NASA FY01 detailed planning activities to start 3Q00.

Review Objectives





Attendees of Review

NASA AvSP Management/Researchers

NASA Base Management/Researchers

FAA

NWS

NTSB

Avionics Industry

Airlines

Aircraft Manufacturers

Pilot Associations

Aircraft Associations

Academia

DoD

Survey



- Evaluate NASA's weaknesses/strengths
- Evaluate NASA products being developed
 - Technical Issues
 - Coordination Issues
 - Implementation Issues
 - Others
- Identity disclosure is voluntary
- Use postage-paid envelope
- Summary of surveys will be forwarded to all attendees

Meeting Logistics



- Coffee and snacks available during breaks
- Message Board available at registration table
 - Telephone Messages: 757-727-9700
 - FAX: 757-723-7378
- All presentations are on CD-ROM
- List of local restaurants is available at registration table

Day 1 Morning Agenda



Aviation Safety Program

8:00 am	Welcome	Lewis, LaRC Colantonio, GRC
8:15 am	Meeting Objectives and Logistics	Colantonio, GRC
8:30 am	Weather Accident Prevention Project Overview	Colantonio, GRC
9:00 am	Aviation Weather Information Overview	Stough, LaRC Schaffner, LaRC Shafer, LaRC
10:30 am	Break	
10:45 am	Weather Information Communications Overview	Martzaklis, GRC Stuharik, GRC
12-1 pm	Lunch	

Day 1 Afternoon Agenda



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1:00 pm	Boeing AWIN Transport Development	Hibson/Boeing
1:30 pm	Honeywell AWIN Transport Development	Leger/Honeywell
2:00 pm	ARNAV GA AWIN Development	Williams/ARNAV
2:30 pm	Honeywell GA AWIN Development	Haynes/Honeywell
3:00 pm	Break	
3:15 pm	World-Wide Weather Information Dissemination Using Satellite Weather Information Services	Haendel/Honeywell
3:45 pm	Communication Architecture for Weather Information Dissemination	Gallagher/SAIC
4:35 pm	Aviation Weather Information Requirements, Technologies and Solutions	Herron/Lockheed Witchey/ACI
5:30 pm	Open Communication Standards/Protocols for Weather Dissemination	Grappel/MIT-LL

Day 2 Morning Agenda



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8:00 am	Route Optimization as a Decision Aid	Hartmann/Honeywell
8:30 am	Aviation Weather Awareness and Reporting Enhancements	Kil/Rockwell
9:00 am	Enhanced On-Board Wx Information System	Kelly/Rockwell Collins
9:30 am	Oceanic Weather Hazard Information Dissemination System	Lindholm/NCAR
10:00 am	Break	
10:15 am	Honeywell E-PIREP Development	Haynes/Honeywell
10:45 am	Incentives for GA E-PIREP System	Kauffman/ODU
11:05 am	AWIN Implementation	Kauffman/ODU
11:25 am	Weather Sensor Requirements	Richards/GTRI
12-1 pm	Lunch	

Day 2 Afternoon Agenda



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1:00 pm	Naval Research Lab: Ceiling and Visibility Weather Product	McCarthy/NRL
1:25 pm	NASA-NWS Visiting Scientist Program	Rodenhuis/NWS-AWC
1:40 pm	Break	
2:00 pm	Turbulence Detection and Mitigation Overview	Bogue/DFRC
2:30 pm	Turbulence Accident Reconstruction	Kaplan/NCSU
3:00 pm	Enhanced Radar Development	Clark/LaRC Harrah/LaRC
3:30 pm	Airborne Radar Field Data Analysis	Clark/LaRC
4:00 pm	LIDAR Development	Hannon/CTI
4:30 pm	Relationship Between Airborne Radar Observables and Predicted A/C G-Loads	Cornman/NCAR
4:50 pm	In-Situ Based Hazard Metric for Turbulence	Robinson/Aerotech
5:10 pm	Airline Passenger Susceptibility to Atmospheric Turbulence Hazards	Stewart/LaRC
5:30 pm	In-Situ Turbulence Reporting System Development and Application	Cornman/NCAR ⁰ Robinson/Aerotech

Day 3 Morning Agenda



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8:00 am	Turbulence Assessment and Monitoring System	Bass/Search Tech
8:15 am	Turbulence Mitigation and Control Plan	Stuever/LaRC
8:45 am	Turbulence Nowcasting/Forecasting Products	Ehernberger/DFRC
9:15 am	Geo-stationary Imaging FTS (GIFTS)	Smith/LaRC
9:30 am	757 WxAP Flight Experiment Overview	Stuever/LaRC
10:00 am	Turbulence Joint Safety Assessment Team Status	Bogue/DRFC
10:15 am	Weather GA Joint Safety Implementation Team Status	Fiduccia/SAMA
10:45 am	Break	

Discussion Sessions

11:00 am	AWIN System
11:15 am	E-PIREPS System
11:30 am	Enhanced Weather Products
11:45 am	Forward-Looking Turbulence Sensors
12 noon	Annual Review Concluded