

PROGRAM



**Product Development Product Dissemination Cockpit Displays
Training Decision Support Systems/Capabilities**

**THE
NATIONAL AVIATION WEATHER
PROGRAM COUNCIL (NAWPC)**

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Federal Coordinator**

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**Mr. Thomas S. Fraim, Executive Secretary
Office of the Federal Coordinator for Meteorological Services
and Supporting Research**

PROGRAM

USER FORUM

**AVIATION WEATHER:
*OPPORTUNITIES FOR
IMPLEMENTATION***

July 25 - 26, 2000

**Bethesda Ramada
Hotel and Conference Center**

Sponsored by

**The Office of the Federal Coordinator for
Meteorological Services and Supporting Research
(OFCM)**

and the

**Federal Aviation Administration
U.S. Department of Transportation**

Acknowledgements

The sponsors wish to thank all of those individuals, agencies, and organizations attending and participating in this forum. In particular, we gratefully appreciate those individuals who are serving as moderators, rapporteurs, and panelists throughout this event.

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ABOUT THE FORUM

The National Aviation Weather Program Council (NAWPC), chartered by the federal agencies and working under the auspices of the Federal Coordinator for Meteorology, directed its Joint Action Group (JAG) to develop the *National Aviation Weather Program Strategic Plan* and the *National Aviation Weather Initiatives*. The publication of the *Strategic Plan* in 1997 and the *Initiatives* in 1999 marked the completion of the first two tiers of a four-tier planning process. Under the direction of the Program Council, the agencies have undertaken Tier 3, Service Design, and Tier 4, Budgets and Schedules. We have continued to assess the Tier 3/4 federal agency process and have reached a point where it is now important to highlight the work accomplished, identify opportunities for immediate implementation, and assess where user and industry efforts are helping achieve the National Aviation Weather Program objectives.

The four overarching objectives of this forum are:

- To highlight programs/processes which have been implemented recently or are ready now for implementation
- To identify ongoing programs which show promising results and must be supported with continuing resources if they are to reach fruition
- To illuminate gaps where no work is planned
- To identify overlaps, each of which should be assessed

The forum will focus on five major areas common to the *National Aviation Weather Initiatives*. They are product development, product dissemination, multifunctional color cockpit displays, training, and decision support systems/capabilities. Within this framework, the federal agencies will report on progress in the eight service areas identified by the *Initiatives*. Presentations will not take the character of program reviews; rather, primary emphasis will be on agency successes that demonstrate near term potential for transfer into operational applications. Equally important, the user community, e.g., airlines and general aviation, has an opportunity to showcase its work. User representatives will report their activities within the framework of the forum format. The result should provide a more accurate picture of the total state of the *National Aviation Weather Initiatives*.

Peter H. Challan

*Deputy Associate Administrator for Air Traffic Services
Federal Aviation Administration*

FAA Administrator Jane Garvey appointed Peter H. Challan acting Deputy Associate Administrator for Air Traffic Services in July 1999. Peter Challan began his career in 1970 as a field civil engineer in the FAA Eastern Region working in the Airway Facilities Division. From 1973 to 1983 he held the position of Supervisor in the Field/Office Facilities and Equipment Branch, assuming greater responsibilities. In September 1983 he was appointed as the Supervisor, Terminal/En Route Section. In February 1985 he was appointed acting Manager, Construction Engineering Branch.

In February 1989, he moved to Washington, D.C., and was the Headquarters Program Manager for the new Denver Airport. From July 1990 to August 1993, Mr. Challan was the Program Manager, Terminal Air Traffic Control Automation under the Associate Administrator for System Engineering and Development. In August 1993, Mr. Challan was named the Program Manager and in April 1995 was appointed the Integrated Product Team Lead for the Voice Switching and Control System Program. In March 1996, Peter Challan was appointed Deputy Director, Office of Air Traffic Systems Development under the Associate Administrator for Research and Acquisitions. Before assuming his new position, he was the Director, Office of Air Traffic Systems Development.

Peter Challan received his B.S.E and B.S.C.E. from City College in New York. He is a registered Professional Engineer.

Mr. Challan is a resident of the District of Columbia, an avid gardener and a novice golfer.

Scott B. Gudes

*Deputy Under Secretary for Oceans and Atmosphere
Department of Commerce*

Mr. Scott B. Gudes is the Deputy Under Secretary for Oceans and Atmosphere of the Office of the Under Secretary for Oceans and Atmosphere, National Oceanic and Atmospheric Administration, Department of Commerce.

Mr. Gudes began his career in 1977 as a Management Assistant, Office of the City Manager, City of Costa Mesa, California. From 1978 to 1980 he served as a Presidential Management Intern with the Office of the Secretary of Defense, Department of Defense. From 1980 to 1983 he was a Business Industry Specialist and Project Manager with the Office of Economic Adjustment of the Office of the Secretary of Defense. Mr. Gudes served as a Budget Examiner with the Commerce and Justice Branch of the Office of Management and Budget from 1983 to 1986. From 1986 to 1990 he was a Professional Staff Member of the Defense Subcommittee, Committee on Appropriations, U.S. Senate. Mr. Gudes was also a Staff Director and Minority Staff Director during 1990 to 1998, on the Commerce, Justice and State, the Judiciary and Related Agencies Subcommittee, Committee on Appropriations, U.S. Senate.

Mr. Gudes received a B.A. degree from San Diego State University and University of Liverpool, United Kingdom. He also received an MPA degree from California State University at Fullerton.

USER FORUM

AVIATION WEATHER: OPPORTUNITIES FOR IMPLEMENTATION

July 25-26, 2000
Bethesda Ramada Hotel and Conference Center
Bethesda, Maryland

AGENDA

Tuesday, July 25, 2000

7:00 am	Registration and Continental Breakfast	60 min
8:00 am	Introduction/Welcome	
	Mr. Samuel P. Williamson Federal Coordinator for Meteorology	10 min
8:10 am	Opening Remarks	
	Mr. Peter Challan, Deputy Associate Administrator, Air Traffic Services, Federal Aviation Administration	20 min
	Mr. Scott B. Gudes, Deputy Under Secretary of Commerce for Oceans and Atmosphere	20 min
8:50 am	Forum Objectives	
	Mr. Samuel P. Williamson, Federal Coordinator for Meteorology	10 min
9:00 am	Four-Tier Planning Process	
	Dr. Frances Sherertz, Deputy Program Director, Aviation Weather, Federal Aviation Administration	10 min

9:10 am **Panel 1 - Product Development**

Moderator: Mr. John E. Jones, Jr., Deputy Director, National Weather Service

Rapporteur: Ms. Dorothy Haldeman, Aviation Program, Office of Meteorology, National Weather Service

Rapporteur: Mr. Thomas S. Fraim, Senior Staff Meteorologist, Office of the Federal Coordinator for Meteorology

Department of Commerce 40 min

Mr. Gary Ellrod, Office of Research and Applications, National Environmental Satellite, Data, and Information Service (10 min)

Mr. David Weinbrenner, Co-Manager, Washington Volcanic Ash Advisory Center, National Weather Service (10 min)

Dr. David Rodenhuis, Director, Aviation Weather Center, National Weather Service (20 min)

Federal Aviation Administration 30 min

Mr. Kevin Young, Product Lead for Weather Processors (15 min)

Ms. Gloria Kulesa, Team Lead, Aviation Weather Research Program (15 min)

National Aeronautics and Space Administration

Dr. Renato Colantonio, Project Manager, Weather Accident Prevention, Glenn Research Center 15 min

10:35 am **Break** 25 min

11:00 am **Panel 1 - Continued**

Department of Defense

Lt Col (Select) Kim Waldron, Chief, Strategic Operations Plans, Directorate of Weather, Headquarters, United States Air Force 15 min

Users/Industry 30 min

Mr. Thomas Fahey, Manager, Meteorology, Northwest Airlines (15 min)

Mr. Warren Qualley, Manager, Weather Services, American Airlines (15 min)

	Discussion	25 min
12:10 pm	Working Lunch	1 hr 10 min
1:20 pm	Panel 2 - Product Dissemination	
	<i>Moderator:</i> Mr. David Whatley, Program Director for Aviation Weather Service, Federal Aviation Administration	
	<i>Rapporteur:</i> Lt Col (Select) Kim Waldron, Chief, Strategic Operations Plans, Directorate of Weather, Headquarters, United States Air Force	
	<i>Rapporteur:</i> Mr. Robert Dumont, Senior Staff Meteorologist, Office of the Federal Coordinator for Meteorology	
	Department of Commerce Mr. Walter Telesetsky, Director, Office of Systems Operations, National Weather Service	15 min
	Federal Aviation Administration Mr. Richard Heuwinkel, Manager, Weather Policy Division, Aviation Weather Directorate	15 min
	Department of Defense Lt Col (Select) Kim Waldron, Chief, Strategic Operations Plans, Directorate of Weather, Headquarters, United States Air Force (15 min) Dr. Charles Ryerson, Research Physical Scientist, Cold Regions Research and Engineering Laboratory, United States Army (10 min)	25 min
	National Aeronautics and Space Administration Dr. Renato Colantonio, Project Manager, Weather Accident Prevention, Glenn Research Center	15 min
	Users/Industry Mr. Joe Luisi, Manager, Meteorology, Delta Airlines	15 min
	Discussion	20 min
3:05 pm	Break	25 min

3:30 pm **Panel 3 - Training**

Moderator: Ms. Melissa Bailey, Director, Air Traffic Services,
Aircraft Owners and Pilots Association

Rapporteur: Mr. Floyd Hauth, Office of the Federal Coordinator for
Meteorology (Science and Technology Corporation)

Rapporteur: Dr. Wayne Estabrooks, Assistant Federal Coordinator
for United States Navy/United States Marine Corps
Meteorological Affairs

Department of Defense

Lt Col Ron Dunic, Chief, Weather Career Field Management, 15 min
Directorate of Weather, Headquarters, United States Air Force

Department of Commerce

Mr. Leroy Spayd, Chief, Science and Technology Core, National 15 min
Weather Service

Federal Aviation Administration

Mr. Hooper Harris, Flight Technologies and Procedures Division, 15 min
Flight Standards Service

National Aeronautics and Space Administration

Ms. Mary F. Wadel, Project Manager, Aircraft Icing, Glenn 15 min
Research Center

Users/Industry 25 min

Mr. Tim Miner, Allied Pilots Association (10 min)

Mr. Bruce Landsberg, Executive Director, Air Safety Foundation
(15 min)

Discussion

25 min

5:20 pm **Reception/Mixer - Ambassador Room I**

End of First Day's Activities

Wednesday, July 26, 2000

7:15 am	Continental Breakfast	60 min
7:30 am	Meeting of Moderators and Rapporteurs - Ambassador Room II	30 min
8:15 pm	Panel 4 - Multifunctional Color Cockpit Displays	
	<i>Moderator:</i> Mr. William J. Phaneuf, Senior Staff Engineer, Engineering and Air Safety Department, Air Line Pilots Association	
	<i>Rapporteur:</i> Mr. Glenn Smith, Aviation Throughput Goal Manager, Headquarters, National Aeronautics and Space Administration	
	<i>Rapporteur:</i> Dr. Paul Try, Office of the Federal Coordinator for Meteorology (Science and Technology Corporation)	
	Federal Aviation Administration Ms. Sandra Schmidt, Weather Policy Division, Aviation Weather Directorate	15 min
	National Aeronautics and Space Administration Dr. Renato Colantonio, Project Manager, Weather Accident Prevention, Glenn Research Center	15 min
	Users/Industry Mr. Carl Knable, Manager, Meteorology, United Airlines	15 min
	Discussion	15 min
9:15 am	Panel 5 - Decision Support Systems/Capabilities	
	<i>Moderator:</i> Ms. Sabra Kaulia, Deputy Director, Air Traffic Plans and Procedures, Federal Aviation Administration	
	<i>Rapporteur:</i> Mr. Donald R. Carver, Assistant Federal Coordinator for Department of Transportation/Federal Aviation Administration Meteorological Affairs	
	<i>Rapporteur:</i> Mr. Richard Stone, Aviation Program, Office of Meteorology, National Weather Service	

	Department of Commerce Mr. John E. Jones, Jr. Deputy Director, National Weather Service	15 min
	Federal Aviation Administration Mr. John W. Kies, Manager, Air Traffic Control System Command Center	15 min
	Department of Defense Lt Col (Select) Kim Waldron, Chief, Strategic Operations Plans, Directorate of Weather, Headquarters, United States Air Force	15 min
	National Aeronautics and Space Administration Mr. Robert Jacobsen, Program Manager, Aviation System Capacity, Ames Research Center	15 min
	Users/Industry Mr. Giles O'keeffe, Airline Dispatchers Federation	15 min
	Discussion	15 min
10:45 am	Break	20 min
11:05 am	Panel Summaries	
	<i>Moderator:</i> CAPT Donald D. Winter, Director, Aircraft Operations Center, National Oceanic and Atmospheric Administration	
	<i>Moderator:</i> Mr. Albert J. Kaehn, Jr., Office of the Federal Coordinator for Meteorology (Science and Technology Corporation)	
	<i>Product Development:</i> Mr. John E. Jones, Jr., Deputy Director, National Weather Service	10 min
	<i>Product Dissemination:</i> Mr. David Whatley, Program Director for Aviation Weather Service, Federal Aviation Administration	10 min
	<i>Training:</i> Ms. Melissa Bailey, Director, Air Traffic Services, Aircraft Owners and Pilots Association	10 min
	<i>Multifunctional Color Cockpit Displays:</i> Mr. William J. Phaneuf, Senior Staff Engineer, Engineering and Air Safety Department, Air Line Pilots Association	10 min

Panel Summaries - Continued

- Decision Support Systems/Capabilities*: Ms. Sabra Kaulia, 10 min
Deputy Director, Air Traffic Plans and Procedures, Federal
Aviation Administration
- 11:55 am **Next Steps/Action Plan**
- Mr. Samuel P. Williamson, Federal Coordinator for 15 min
Meteorology
- 12:10 pm **Adjourn**

End of Forum

Thank you for attending!

**Electronic copies of the presentations will be available on the OFCM
web site as soon as possible. The address is:**

<http://www.ofcm.gov/>

**Click on the Special Projects button and navigate to the Aviation
Weather Forum section.**

**THE
JOINT ACTION GROUP
FOR
AVIATION WEATHER
(JAG/AW)**

Dr. Frances Sherertz, Chair
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Department of Transportation

Ms. Dorothy Haldeman
National Weather Service
Department of Commerce

Mr. David Johnson
U.S. Army
Department of Defense

Lt Col Kim Waldron, USAF
U.S. Air Force
Department of Defense

CDR Dave Pashkevich, USN
U.S. Navy
Department of Defense

Mr. Steven Albersheim
Federal Aviation Administration
Department of Transportation

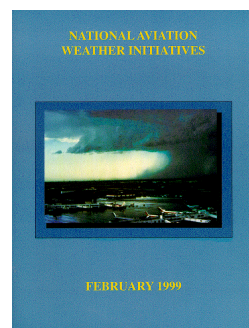
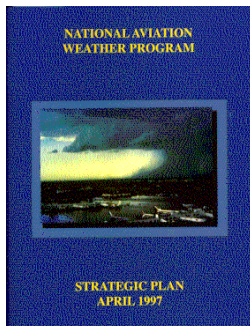
Mr. Glenn Smith
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National Aeronautics and Space
Administration

Mr. Ed Stone
U.S. Forest Service
Department of Agriculture

Mr. Donald E. Eick
National Transportation Safety
Board

Mr. Thomas S. Fraim, Executive Secretary
Office of the Federal Coordinator for Meteorological Services
and Supporting Research

**National Aviation Weather Program Strategic Plan
April 1997**



**National Aviation Weather Initiatives
February 1999**

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