

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

Aeronautics and Space Engineering Board

500 Fifth Street, NW
Washington, DC 20001
www.nationalacademies.org

Aeronautics Research and Technology Roundtable Keck Building: 500 Fifth Street, NW, Washington, DC 20001

AGENDA

Tuesday, February 21, 2012

Note there are two concurrent sessions in both the morning and afternoon in Rooms 201 and 204

SESSION A: GENERAL AVIATION ROOM 204

OPEN SESSION

8:00 am Rooms open (breakfast available in the room)

8:30 am Meeting convenes; opening remarks by panel lead Dale Klapmeier

8:45 am Safety Challenges in General Aviation
Bruce Landsberg, President, AOPA Foundation (confirmed)

9:30 am General Aviation Industry Outlook
Pete Bunce, President and CEO, GAMA (confirmed)

10:15 am *Break (15 minutes)*

10:30 am Safety Records in General Aviation Aircraft
Rob Haig, Director of Flight Operations and Training, Cirrus Aircraft (confirmed)

11:15 am Discussion

12:30 pm *Working lunch; discussions continue*

SESSION B: COMMERCIAL AVIATION ROOM 201

OPEN SESSION

8:00 am Rooms open (breakfast available in the room)

8:30 am Meeting convenes; opening remarks by panel lead Alan Epstein

8:45 am U.S. Aerospace Competitiveness
Richard Aboulafia, Vice President, Analysis, Teal Group Corporation (confirmed)

9:30 am Discussion with Congressional Staff

- *Richard Obermann, Democratic Chief of Staff, Committee on Science, Space, and Technology (confirmed)*
- *Edward Feddeman, Republican Staff Director, Subcommittee on Space and Aeronautics, Committee on Science, Space, and Technology (confirmed)*

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10:15 am *Break (15 minutes)*

10:30 am Administration Perspective on Aerospace and the U.S. Economy
Maureen Smith, Deputy Assistant Secretary for Manufacturing and Services, U.S. Department of Commerce (confirmed)

11:15 am Discussion

12:30 pm *Working lunch; discussions continue*

SESSION C: VERTICAL LIFT ROOM 204

OPEN SESSION

1:30 pm Session convenes; opening remarks by panel lead Robert Loewy

1:45 pm NASA's Long-Term Challenges for Rotary-Wing Aircraft
Susan Gorton, Rotary Wing Project Manager, NASA-Langley (confirmed)

2:30 pm Advanced Analytical Developments in Vertical Lift Aircraft
Inderjit Chopra, Alfred Gessow Professor, Department of Aerospace Engineering, University of Maryland (confirmed)

3:15 pm *Break (15 minutes)*

3:30 pm VTOL Terminal Operations
Fred Schmitz, Senior Research Professor, Department of Aerospace Engineering, University of Maryland (confirmed)

4:15 pm Making Embedded Digital Electronic Control Systems Satisfactorily Reliable
Robert Loewy, Professor, School of Aerospace Engineering, Georgia Tech (confirmed)

5:00 pm Discussion

5:30 pm *Meeting adjourns*

6:30 pm Working dinner at location to be determined

SESSION D: UNMANNED AIRCRAFT SYSTEMS ROOM 201

OPEN SESSION

1:30 pm Session convenes; opening remarks by panel lead George Donohue

1:45 pm DoD use of UAS in U.S. Civil Airspace and Future Research Issues

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Steven Pennington, Director of Bases, Ranges and Airspace, U.S. Air Force (confirmed)

2:30 pm MITRE Perspective on Issues to be Addressed by FAA and Needed Research
*Andrew Lacher, UAS Cross-Center Coordinator & Research Strategist,
The MITRE Corporation (confirmed)*

3:15 pm *Break (15 minutes)*

3:30 pm Discussion with NASA on UAS Research
Chuck Johnson, UAS Project Manager, NASA DFRC (confirmed)

4:15 pm Discussion

5:30 pm *Meeting adjourns*

6:30 pm Working dinner at location to be determined

Wednesday, February 22, 2012

**PLENARY SESSION
ROOM 201 (overflow seating in Room 204)**

OPEN SESSION

8:00 am Room opens (breakfast available in meeting room)

8:30 am Session convenes, opening remarks by Roundtable chair John Tracy

8:45 am Panel report and discussion: General Aviation Panel

10:15 am *Break (15 minutes)*

10:30 am Panel report and discussion: Commercial Aviation Panel

12:00 pm Working lunch: discussions continue

1:00 pm Panel report and discussion: UAS Panel

2:30 pm *Break (15 minutes)*

2:45 pm Panel report and discussion: Vertical Lift Panel

4:15 pm Future meetings and goals:
Structure of future meetings (should panels meet separately)?
Focus of future meetings?
What information / briefings would the Roundtable want to receive?

5:00 pm *Meeting adjourns*