

2005 Current Fiscal Year Report: Aeronautics Research Advisory Committee

Report Run Date: 05/01/2021 01:56:31 PM

1. Department or Agency

National Aeronautics and Space Administration

2. Fiscal Year

2005

3. Committee or Subcommittee

Aeronautics Research Advisory Committee

3b. GSA Committee No.

1065

4. Is this New During Fiscal Year?

No

5. Current Charter

08/10/2004

6. Expected Renewal Date

08/10/2006

7. Expected Term Date

8a. Was Terminated During Fiscal Year?

Yes

8b. Specific Termination Authority

NASA Strategic Management Council, Meeting Minutes

8c. Actual Term Date

09/20/2005

9. Agency Recommendation for Next Fiscal Year

Terminate

10a. Legislation Req to Terminate?

No

10b. Legislation Pending?

Enacted

11. Establishment Authority Agency Authority

12. Specific Establishment Authority

Public Law 85-568, As Amended, Section 203(c)(7)

13. Effective Date

04/24/1997

14. Committee Type

Continuing

14c. Presidential?

No

15. Description of Committee Scientific Technical Program Advisory Board

16a. Total Number of Reports

1

16b. Report Date

05/03/2005

Report Title

Aeronautics Research Advisory Committee Full Meeting

Number of Committee Reports Listed: 1

17a. Open 5 17b. Closed 0 17c. Partially Closed 0 Other Activities 0 17d. Total 5

Meetings and Dates

Purpose

This was a meeting of ARAC's Aviation Safety Reporting System Subcommittee (ASRSS). The purpose of the meeting was to discuss FY05 funding impacts, goals and master strategies for ASRSS, procedures and policies surrounding current reporting of safety incidents, new NASA/FAA electronic report submission procedures, and current safety issues.

Start

End

11/03/2004 - 11/03/2004

This was a meeting of the Council of Deans, which was organized under ARAC to ensure inclusion of the academic community. The Council was a group of Deans of Colleges of Engineering from across country, representing a large cross-section of universities. The purpose of the meeting was to identify objectives for the Council, and to draft a strategy identifying trends and needs among universities and colleges. The Council discussed strategies for assisting NASA with better educating universities on how to interact with the agency.

04/13/2005 - 04/13/2005

This was a meeting of the full Aeronautics Research Advisory Committee (ARAC). The purpose of the meeting was to brief members on the transition to a new NASA Administrator, hear updates on the Next Generation Air Transportation System (NGATS), discuss status of the Joint Planning & Development Office (JPDO) and its 2025 concept for the national airspace, receive updates on the Vehicle Systems Program, discuss corporate management of facilities, and receive a report from the Council of Deans on their April 2005 meeting. 05/03/2005 - 05/03/2005

This was the second meeting in FY05 for the ARAC's Aviation Safety Reporting System Subcommittee (ASRSS). 05/24/2005 - 05/24/2005

This was a meeting of the ARAC's Airspace Systems Subcommittee (ASPS). The purpose of the meeting was to receive updates on the work of NASA's Airspace Systems Program, engage in detailed review and discussion of the Joint Planning & Development Office (JPDO) Roadmap for transforming the national airspace and in particular, to identify current and future congruencies between NASA research objectives and the needs of the Next Generation Air Transportation System. 08/03/2005 - 08/04/2005

Number of Committee Meetings Listed: 5

	Current FY	Next FY
18a(1). Personnel Pmts to Non-Federal Members	\$0.00	\$0.00
18a(2). Personnel Pmts to Federal Members	\$0.00	\$0.00
18a(3). Personnel Pmts to Federal Staff	\$48,590.00	\$0.00
18a(4). Personnel Pmts to Non-Member Consultants	\$0.00	\$0.00
18b(1). Travel and Per Diem to Non-Federal Members	\$8,939.00	\$0.00
18b(2). Travel and Per Diem to Federal Members	\$0.00	\$0.00
18b(3). Travel and Per Diem to Federal Staff	\$1,000.00	\$0.00
18b(4). Travel and Per Diem to Non-member Consultants	\$0.00	\$0.00
18c. Other(rents,user charges, graphics, printing, mail, etc.)	\$25,621.00	\$0.00
18d. Total	\$84,150.00	\$0.00
19. Federal Staff Support Years (FTE)	0.70	0.00

20a. How does the Committee accomplish its purpose?

The Aeronautics Research Advisory Committee (ARAC) was chartered by NASA to review the strategies and programs of the Aeronautics Research Mission Directorate. The scope of the Committee's activities included oversight of policies and investments in aviation systems research applicable to commercial aircraft, high performance aircraft, and the National Airspace System. The Committee evaluated NASA's relationships with the Federal Aviation Administration and the Department of Defense, ensuring coordination within the scope of their joint research and activities. To accomplish its purpose, the Committee was organized along the Mission Directorates Strategic Themes. ARAC formed subcommittees in those four areas. The subcommittees were: Airspace Systems Program, Aviation Safety & Security Program, Vehicle Systems Program and Aviation Safety Reporting System.

20b. How does the Committee balance its membership?

The ARAC membership was comprised of experts from the national aerospace community. While the membership varied, it represents other government agencies, airlines and airports, manufacturers of commercial airliners, engines, and air traffic

systems. The membership was continuously reviewed to ensure appropriate and balanced representation of that community. Members were selected specifically for their broad technical representation of the aerospace technical disciplines, their understanding of the national and international aerospace environment, and cultural diversity. Members represented the major customer and partner groups for NASA-developed technology as well as academia.

20c. How frequent and relevant are the Committee Meetings?

During the past fiscal year, five meetings were conducted by ARAC and a number of its subcommittees (Airspace Systems Program Subcommittee, the Council of Deans, and the Aviation Safety Reporting System Subcommittee). All meetings were relevant in providing NASA valuable opportunities to interact with industry, academia, other government agencies, and the public. The ARAC meeting was relevant in that it reported on the transition to a new NASA Administrator, and subsequent implications for the three Aeronautics Research Mission Directorate programs. The ARAC provided direct and timely advice and recommendations to the Associate Administrator for the Aeronautics Research Mission Directorate as well as to the NASA Advisory Council. The subcommittee meetings were relevant in that NASA, industry, academia, and agencies were able to report on and discuss timely issues regarding technology, regulation, and systems.

20d. Why can't the advice or information this committee provides be obtained elsewhere?

Members of the Committee were selected expressly for their expertise and recognition in areas that are distinctively applicable to NASA's aerospace technology development objectives. The members provided advice on the means of achieving these NASA objectives, bringing to NASA the valuable perspective of outsiders with expertise that was beyond the scope of internal Agency resources. They also recommend approaches to establishing alliances with other customers that were based on their unique positions in the private and public sectors.

20e. Why is it necessary to close and/or partially closed committee meetings?

N/A

21. Remarks

This advisory committee was terminated as part of the overall NASA advisory committee restructuring effort that took place during 2005.

Designated Federal Officer

Garris M. Green Executive Director, Aeronautics Research Advisory Committee

Committee Members	Start	End	Occupation	Member Designation
Altiero, Nicholas	07/29/2004	09/30/2005	Dean, College of Eng., Tulane Univ.	Representative Member
Anderson, Mark	11/27/2000	09/30/2005	The Boeing Company	Special Government Employee (SGE) Member
Bauerlein, Joan	02/02/2004	09/30/2005	Director R&D, FAA	Regular Government Employee (RGE) Member
Belger, Monte	08/03/2005	09/30/2005	Vice President of Trans. System Solutions, Lockheed Martin	Special Government Employee (SGE) Member
Blouin, Robert	10/22/1997	09/30/2005	VP, Phaneuf Associates, Inc.	Special Government Employee (SGE) Member
Borger, William	10/01/2002	09/30/2005	Air Force Research Laboratory	Regular Government Employee (RGE) Member
Bourque, Richard	04/02/2002	09/30/2005	International Association of Machinists	Representative Member
Brown, Steven	08/03/2005	09/30/2005	Senior VP, National Business Aviation Association	Representative Member
Burge, Legand	07/29/2004	09/30/2005	Dean, College of Eng., Arch. & Physical Sci., Tuskegee Univ.	Representative Member
Caisse, Steve	08/03/2005	09/30/2005	President Emeritus, Airline Dispatchers Federation	Representative Member
Cappuccio, Frank	10/01/2000	08/06/2005	Vice Pres. and Gen. Manager, Lockheed Martin	Special Government Employee (SGE) Member
Cato, Byron	08/03/2005	09/30/2005	Staff Engineer, Airline Pilots Association	Representative Member
Cecchi, Joseph	09/10/2004	09/30/2005	Dean, School of Eng., Univ. of New Mexico	Representative Member
Chen, Ching-Jen	09/10/2004	09/30/2005	Dean, College of Eng., Florida A&M Univ-Florida State Univ.	Representative Member
Clarke, John-Paul	08/03/2005	09/30/2005	Assoc. Prof., School of Aerospace Engin., Georgia IT	Special Government Employee (SGE) Member
Crites, James	08/03/2005	09/30/2005	Exec. VP Operations, Dallas Fort Worth Airport	Representative Member
Dorland, Dianne	09/10/2004	09/30/2005	Dean, College of Eng., Rowan Univ.	Representative Member
Eckel, Robert	10/01/2002	09/30/2005	Raytheon Company	Special Government Employee (SGE) Member
EISawy, Amr	08/03/2005	09/30/2005	Senior VP and GM, MITRE, Ctr for Advanced Aviation Systems	Representative Member
Evans, James	08/03/2005	09/30/2005	Senior Staff, MIT Lincoln Laboratory	Special Government Employee (SGE) Member
Foose, Scott	04/04/2002	09/30/2005	Regional Airline Association	Representative Member
Frisbie, Frank	01/01/2005	09/30/2005	Vice President Strategic Planning, Apptis, Inc.	Special Government Employee (SGE) Member
Fuchs, W.	09/10/2004	09/30/2005	Joseph Sibert Dean of Eng., Cornell Univ.	Representative Member
Gellman, Aaron	10/01/2002	09/30/2005	Northwestern University	Special Government Employee (SGE) Member
Golaszewski, Richard	08/03/2005	09/30/2005	Exec VP, Gellman Research Associates	Special Government Employee (SGE) Member
Graeber, R.	08/03/2005	09/30/2005	Senior Technical Fellow, Boeing Commercial Airplane Group	Special Government Employee (SGE) Member
Griffiths, Lloyd	09/10/2004	09/30/2005	Dean, School of Info., Tech. & Eng., George Mason Univ.	Representative Member
Hansman, R.	03/25/2002	09/30/2005	MIT	Special Government Employee (SGE) Member
Haritos, George	09/10/2004	09/30/2005	Dean, College of Eng., Auburn Science & Eng. Ctr, Univ. of Akron	Representative Member
Harris, Vascar	12/02/2004	09/30/2005	Tuskegee University	Special Government Employee (SGE) Member

Hedges, Daniel	10/01/2002	09/30/2005	Federal Aviation Administration	Special Government Employee (SGE) Member
Hoover, William	01/22/1999	09/30/2005	Consultant	Representative Member
Jamieson, James	06/21/2004	09/30/2005	Chief Tech. Officer & Senior VP, The Boeing Company	Special Government Employee (SGE) Member
Kalish, Stephen	08/03/2005	09/30/2005	President, Crown Consulting Inc.	Special Government Employee (SGE) Member
Katehi, Linda	07/17/2002	09/30/2005	John A. Edwardson, Dean of Eng., Purdue Univ.	Representative Member
Keegan, Charlie	08/03/2005	09/30/2005	Director, JPDO & Vice Pres. Oper. Plan. Services, JPDO	Regular Government Employee (RGE) Member
Kern, John	05/07/1999	09/30/2005	FAA	Regular Government Employee (RGE) Member
Khosla, Pradeep	09/10/2004	09/30/2005	Dean, College of Eng., Carnegie Mellon Univ.	Representative Member
Kies, Jack	08/03/2005	09/30/2005	VP, Strategic Alliances	Special Government Employee (SGE) Member
Kolander, Candace	06/21/1998	09/30/2005	Air Safety and Health Association of Flight Attendants	Special Government Employee (SGE) Member
Landsberg, Bruce	04/29/1998	09/30/2005	Exec. Dir., AOPA Air Safety Foundation	Special Government Employee (SGE) Member
Lev, David	08/03/2005	09/30/2005	Acting Deputy Dir., John A. Volpe National Transport Systems Ctr	Regular Government Employee (RGE) Member
Lucas, Arthur	03/23/2005	09/30/2005	Senior VP, Engineering, Pratt & Whitney	Special Government Employee (SGE) Member
Mankbadi, Reda	09/10/2004	09/30/2005	Dean, College of Eng., Embry-Riddle Aeronautical Univ.	Representative Member
Marchisotto, Paul	01/04/2005	09/30/2005	VP, Advanced Systems & Technology, Northrop Grumman	Special Government Employee (SGE) Member
Masnari, Nino	09/10/2004	09/30/2005	Dean, College of Eng., North Carolina State Univ.	Representative Member
McCullough, Carl	08/03/2005	09/30/2005	Exec Dir, DOD Policy Board on Fed Aviation, Air Force	Regular Government Employee (RGE) Member
O'Brien, John	05/30/1978	09/30/2005	Air Line Pilots Association	Special Government Employee (SGE) Member
Prest, Albert	10/22/1997	09/30/2005	Air Transport Association	Special Government Employee (SGE) Member
Russell, Paul	03/25/2003	09/30/2005	Chief Engineer, Aviation Systems Safety, Boeing Commercial Aircraft	Representative Member
Shih, Tom	09/19/2005	09/30/2005	Prof. and Chair, Dept. of Aerospace Eng., Iowa State Univ.	Representative Member
Soyster, Allen	09/10/2004	09/30/2005	Dean, College of Eng., Northwestern Univ.	Representative Member
Swanda, Ronald	07/01/1989	10/18/2005	Senior Vice Pres. Oper., General Aviation Manufacturers Association	Special Government Employee (SGE) Member
Toro-Ramos, Zulma	09/15/2005	09/30/2005	Dean, College of Eng., Wichita State Univ.	Representative Member
Viggiano, Marc	08/03/2005	09/30/2005	Pres, Air Traffic Systems Div, Sensis Corporation	Special Government Employee (SGE) Member
Voigt, Scott	10/01/2002	09/30/2005	Federal Aviation Administration	Regular Government Employee (RGE) Member
Weber, Mary	12/17/2003	11/25/2005	Associate Vice President, University of Texas, Southwestern Medical Center	Special Government Employee (SGE) Member
Wieringa, Jeffrey	03/24/2004	09/30/2005	Assistant Commander Research & Engineering, Naval Air Systems Command	Regular Government Employee (RGE) Member
Wilke, Clifford	05/17/2005	09/30/2005	Assistant Admin., Transportation Security Administration	Regular Government Employee (RGE) Member
Wirth, William	02/16/1999	02/26/2005	Delta Air Lines	Regular Government Employee (RGE) Member
Wright, Richard	10/21/1997	10/21/2005	Helicopter Association International	Special Government Employee (SGE) Member

Number of Committee Members Listed: 61

Narrative Description

As expert representatives of the aerospace community (OGA, industry, and academia), their reviews and recommendations helped strengthen the aeronautics contributions to the agency's mission and strategic plan. Their role is to review Aeronautics Research Mission Directorate (ARMD) strategic directions and technology portfolio and provide advice or recommendations on technology research and development plans and programs, as well as policies and other matters relevant to ARMD's responsibilities in achieving the Agency's goals and objectives. Subcommittees to the ARAC also conducted special studies to assist the Mission Directorate and the NASA Advisory Committee (NAC) in gaining additional perspectives and data on critical items, thus supporting NASA's decision-making process.

What are the most significant program outcomes associated with this committee?

	Checked if Applies
Improvements to health or safety	<input checked="" type="checkbox"/>
Trust in government	<input checked="" type="checkbox"/>
Major policy changes	<input checked="" type="checkbox"/>
Advance in scientific research	<input checked="" type="checkbox"/>
Effective grant making	<input type="checkbox"/>
Improved service delivery	<input checked="" type="checkbox"/>
Increased customer satisfaction	<input checked="" type="checkbox"/>
Implementation of laws or regulatory requirements	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Outcome Comments

An additional outcome of ARAC participation with the ARMD was a more strategic view of aeronautics needs both from a business perspective and a national perspective. The Committee's experiences, recommendations, and advice were taken as input to the ARMD's policies, practices, and planning processes.

What are the cost savings associated with this committee?

	Checked if Applies
None	<input type="checkbox"/>
Unable to Determine	<input checked="" type="checkbox"/>
Under \$100,000	<input type="checkbox"/>
\$100,000 - \$500,000	<input type="checkbox"/>

\$500,001 - \$1,000,000
\$1,000,001 - \$5,000,000
\$5,000,001 - \$10,000,000
Over \$10,000,000
Cost Savings Other

Cost Savings Comments

NA

What is the approximate Number of recommendations produced by this committee for the life of the committee?

7

Number of Recommendations Comments

These were identified as draft recommendations and were not formally adopted by the Aeronautics Research Advisory Committee (ARAC).

What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?

0%

% of Recommendations Fully Implemented Comments

The recommendations were not presented to the NASA Advisory Council (NAC) due to the NAC reorganization.

What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?

3%

% of Recommendations Partially Implemented Comments

NA

Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?

Yes No Not Applicable

Agency Feedback Comments

ARMED provided ARAC committee members with minutes of each meeting. The recommendations and actions were captured in the notes. A disposition of actions and

recommendations were provided to committee members which were reviewed at the beginning of each committee meeting.

What other actions has the agency taken as a result of the committee's advice or recommendation?

	Checked if Applies
Reorganized Priorities	<input checked="" type="checkbox"/>
Reallocated resources	<input checked="" type="checkbox"/>
Issued new regulation	<input type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input type="checkbox"/>

Action Comments

NA

Is the Committee engaged in the review of applications for grants?

No

Grant Review Comments

NA

How is access provided to the information for the Committee's documentation?

	Checked if Applies
Contact DFO	<input checked="" type="checkbox"/>
Online Agency Web Site	<input checked="" type="checkbox"/>
Online Committee Web Site	<input checked="" type="checkbox"/>
Online GSA FACA Web Site	<input checked="" type="checkbox"/>
Publications	<input type="checkbox"/>
Other	<input type="checkbox"/>

Access Comments

NA