

2018 Current Fiscal Year Report: Visiting Committee on Advanced Technology

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1. Department or Agency		2. Fiscal Year	
Department of Commerce		2018	
3. Committee or Subcommittee		3b. GSA Committee No.	
Visiting Committee on Advanced Technology		377	
4. Is this New During Fiscal Year?	5. Current Charter	6. Expected Renewal Date	7. Expected Term Date
No	01/14/2016	01/12/2020	
8a. Was Terminated During Fiscal Year?	8b. Specific Termination Authority	8c. Actual Term Date	
No			
9. Agency Recommendation for Next Fiscal Year	10a. Legislation Req to Terminate?	10b. Legislation Pending?	
Continue	No	Not Applicable	
11. Establishment Authority Statutory (Congress Created)			
12. Specific Establishment Authority	13. Effective Date	14. Committee Type	14c. Presidential?
15 U.S.C. 278	01/01/1988	Continuing	No
15. Description of Committee Scientific Technical Program Advisory Board			
16a. Total Number of Reports		1	
16b. Report Date	Report Title		
04/09/2018	2017 Annual Report		

Number of Committee Reports Listed: 1

17a. Open 2 17b. Closed 0 17c. Partially Closed 1 Other Activities 0 17d. Total 3

Meetings and Dates

Purpose	Start	End
To review and make recommendations regarding general policy for NIST, its organization, its budget, and its programs within the framework of applicable national policies as set forth by the President and the Congress. The agenda will include an update on major programs at NIST. In addition, the meeting will include presentations and discussions on priorities for the NIST Laboratory Programs over the next decade. The Committee will also be briefed on plans to improve research services and support. During a closed session on October 24, 2017 from 8:30 a.m. until 10:30 a.m., the VCAT will discuss NIST's security posture, including recent incidents and planned improvements.	10/23/2017	10/24/2017
To review and make recommendations regarding general policy for NIST, its organization, its budget, and its programs within the framework of applicable national policies as set forth by the President and the Congress. The agenda will include an update on major programs at NIST. In addition, the meeting will include presentations and discussions on NIST's role in cybersecurity and technology transfer from federal laboratories. The Committee also will present its initial observations, findings, and recommendations for the 2017 VCAT Annual Report.	02/07/2018	02/07/2018

To review and make recommendations regarding general policy for NIST, its organization, its budget, and its programs within the framework of applicable national policies as set forth by the President and the Congress. The agenda will include an update on major programs at NIST. In addition, the meeting will include presentations and discussions on NIST's role in quantum science, and artificial intelligence. The Committee also will review NIST's facilities plans and progress on ongoing renovation efforts.

06/05/2018 - 06/06/2018

Number of Committee Meetings Listed: 3

	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	\$127,789.00	\$134,458.00
18a(4). Personnel Pmts to Non-Member Consultants	\$0.00	\$0.00
18b(1). Travel and Per Diem to Non-Federal Members	\$26,275.00	\$39,942.00
18b(2). Travel and Per Diem to Federal Members	\$0.00	\$0.00
18b(3). Travel and Per Diem to Federal Staff	\$7,789.00	\$0.00
18b(4). Travel and Per Diem to Non-member Consultants	\$0.00	\$6,000.00
18c. Other(rents,user charges, graphics, printing, mail, etc.)	\$7,638.00	\$8,000.00
18d. Total	\$169,491.00	\$188,400.00
19. Federal Staff Support Years (FTE)	1.10	1.10

20a. How does the Committee accomplish its purpose?

The members of the Visiting Committee on Advanced Technology (VCAT) continue to meet all of their chartered responsibilities, including reviewing and making recommendations regarding general policy for NIST, its organization, its budget, and its programs, within the framework of applicable national policies as set forth by the President and the Congress. To carry out these responsibilities, the Committee reviews a significant portion of NIST programs through informational briefings and direct discussion with NIST leaders, scientists, and engineers and provides candid reactions and observations. The Committee functions solely as an advisory board, in accordance with the provisions of the Federal Advisory Committee Act.

20b. How does the Committee balance its membership?

In accordance with the provisions of the 1988 Omnibus Trade and Competitiveness Act, the members of the Committee are selected from industry and academia solely on the basis of distinguished records of service in research, engineering, and other fields that are relevant to NIST's mission and in accordance with applicable Department of Commerce guidance. The members have diverse backgrounds and provide a representative cross-section of traditional and emerging United States industries. Diversity of both demographic and geographic are considered in the appointment of the members.

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

The Committee meets at least three times a year with the NIST senior management. At

each meeting, the Committee reviews and advises NIST on its strategic direction. On occasion, outside speakers renowned in their field provide their views on selected topics of interest to the Committee. The Committee also engages with the researchers who occasionally provide laboratory tours and presentations on relevant topics as a way to better understand the Institute's programs and their relationship to the NIST mission.

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

The advice and oversight provided by the Committee requires an intimate familiarity with NIST's mission, technical programs, organization, and budget process. This, in turn, requires considerable background analysis, frequent communication, and a close relationship with NIST. The Committee provides the necessary continuity and structure in the advisory relationship.

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

The October 2017 meeting was partially closed to the public to discuss sensitive security postures, including recent incidents and planned improvements about NIST. Public discussions of the pre-decisional plans would prematurely disclose information likely to significantly frustrate the implementation of proposed agency actions. The Committee's chartered rule is to provide advise and direction for program plans and strategies, and before they are implemented, an open and frank discussion of options is necessary.

21. Remarks

Cost for FY18 were less than estimated due to change in staffing/labor costs. The cost of the subcommittee is included in the budget for the parent committee.

Designated Federal Officer

Stephanie L. Shaw DFO

Committee Members	Start	End	Occupation	Member Designation
Adler, Allen	01/25/2016	01/24/2019	Director, Sensors and Electronics Laboratory, HRL Laboratories	Special Government Employee (SGE) Member
Alexander, Jay	05/22/2018	05/21/2021	Senior Vice President and Chief Technology Officer, Keysight Technologies	Special Government Employee (SGE) Member
Brooks, Rodney	06/01/2014	05/31/2020	Chairman and CTO Rethink Robotics, Inc.	Special Government Employee (SGE) Member

Colwell, Rita	01/06/2014	01/05/2020	Distinguished University Professor, University of Maryland, College Park and John Hopkins University Bloomberg School of Public Health, Senior Advisor and Chairman Emeritus, Canon U.S. Life Sciences	Special Government Employee (SGE) Member Special
Fischer, George	05/22/2018	05/21/2021	Senior Vice President and Group President, Verizon Enterprise Solutions, Verizon	Special Government Employee (SGE) Member Special
Folena-Wasserman, Gail	01/30/2017	01/29/2020	Senior Vice President, Biopharmaceutical Development, MedImmune	Special Government Employee (SGE) Member Special
Garvey, Michael	01/23/2015	01/22/2021	President & CEO, M-7 Technologies	Special Government Employee (SGE) Member Special
Holt, William	05/13/2012	05/12/2018	Senior Fellow Emeritus, Executive Vice President General Manager, Technology and Manufacturing Group Intel Corporation	Special Government Employee (SGE) Member Special
Ishak, Waguih	01/25/2016	01/24/2019	Vice President & Chief Technologist Science & Technology, Corning Incorporated	Special Government Employee (SGE) Member Special
Jackson, Dana "Keoki"	05/22/2018	05/21/2021	Chief Technology Officer, Lockheed Martin	Special Government Employee (SGE) Member Special
Ku, Katharine	05/22/2018	05/21/2021	Executive Director, Emerita Office of Technology Licensing, Stanford University	Special Government Employee (SGE) Member Special
Prafullchandra, Hemma	10/27/2014	10/26/2020	Chief Technology Officer and Senior Vice President, Products, HyTrust Inc.	Special Government Employee (SGE) Member Special
Sizer, Theodore	08/28/2015	08/27/2021	Vice President, IP & Optical Research Leader, Nokia Bell Labs	Special Government Employee (SGE) Member Special
Vasko, David	02/02/2017	02/01/2020	Director Advanced Technology, Strategic Development, Rockwell Automation	Special Government Employee (SGE) Member

Number of Committee Members Listed: 14

Narrative Description

The Committee meets three times a year to examine specific areas of NIST's mission, including the role that the NIST laboratories and major programs play in stimulating innovation and competitiveness, and to provide feedback to NIST senior management. The Committee's feedback on NIST's strategic direction, performance and policies is critical to help ensure that NIST is well-positioned to stimulate technological innovation

and U.S. competitiveness well into the future and encourages continuous improvement in key areas in the overall operation of NIST. In addition, the Committee shall provide an annual report, through the Director of NIST, to the Secretary of Commerce for submission to the Congress not later than 30 days after the submittal to Congress of the President's annual budget request in each year. Such report shall deal essentially, though not necessarily exclusively, with policy issues or matters which affect NIST, or with which the Committee in its official role as the private sector policy adviser of NIST is concerned. Each report shall identify areas of program emphasis for NIST of potential importance to the long-term competitiveness of United States industry.

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

Checked if Applies

- Improvements to health or safety
- Trust in government
- Major policy changes
- Advance in scientific research
- Effective grant making
- Improved service delivery
- Increased customer satisfaction
- Implementation of laws or regulatory requirements
- Other

Outcome Comments

NA

What are the cost savings associated with this committee?

Checked if Applies

- None
- Unable to Determine
- Under \$100,000
- \$100,000 - \$500,000
- \$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?

202

Number of Recommendations Comments

In April 2018, the Committee issued its 2017 Annual Report which included 5 specific recommendations suggesting NIST action to be taken in the following areas: Artificial Intelligence and Machine Learning; efforts to improve operational efficiency; NIST safety systems and safety culture; and the physical security at NIST. Specific recommendations based on the 2018 Committee meetings will be provided in the Annual Report due not later than 30 days after the submission of the President's FY 2020 budget request to Congress. NIST agrees with all recommendations provided and are in the process of implementing all of them.

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

65%

% of Recommendations Fully Implemented Comments

65% of recommendations have been or will be fully implemented.

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

31%

% of Recommendations Partially Implemented Comments

31% of recommendations have been or will be partially implemented.

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

Yes No Not Applicable

Agency Feedback Comments

Verbal updates presented and agency feed back is provided during meetings.

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

Checked if Applies

- Reorganized Priorities
- Reallocated resources
- Issued new regulation
- Proposed legislation
- Approved grants or other payments
- Other

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
- Online Agency Web Site
- Online Committee Web Site
- Online GSA FACA Web Site
- Publications
- Other

Access Comments

None