

2024 Current Fiscal Year Report: Emerging Technology Technical Advisory Committee

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1. Department or Agency

Department of Commerce

2. Fiscal Year

2024

3. Committee or Subcommittee

Emerging Technology Technical Advisory Committee

3b. GSA

Committee No.

34750

4. Is this New During Fiscal Year?

No

5. Current Charter

06/24/2022 06/24/2024

6. Expected Renewal Date

7. Expected Term Date

8a. Was Terminated During Fiscal Year?

No

8b. Specific Termination Authority

8c. Actual Term Date

9. Agency Recommendation for Next Fiscal Year

Continue

10a. Legislation Req to Terminate?

Not Applicable

10b. Legislation Pending?

Not Applicable

11. Establishment Authority

Statutory (Congress Created)

12. Specific Establishment Authority

50 U.S.C. app. 4604(h), as continued by E.O. 13222 (as amended by E.O. 13637)

13. Effective Date

07/12/1985 Continuing

14. Committee Type

14c. Presidential?

No

15. Description of Committee

Scientific Technical Program Advisory Board

16a. Total Number of Reports

No Reports for this Fiscal Year

17a.

Open

0

17b. Closed

0

17c. Partially Closed

0

Other Activities

0

17d. Total

0

Meetings and Dates

No Meetings

	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	\$0.00	\$0.00
18a(4). Personnel Pmts to Non-Member Consultants	\$0.00	\$0.00
18b(1). Travel and Per Diem to Non-Federal Members	\$0.00	\$0.00
18b(2). Travel and Per Diem to Federal Members	\$0.00	\$0.00
18b(3). Travel and Per Diem to Federal Staff	\$0.00	\$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.)	\$0.00	\$0.00
18d. Total	\$0.00	\$0.00
19. Federal Staff Support Years (FTE)	0.00	0.00

20a. How does the Committee accomplish its purpose?

In FY 2023, the Emerging Technology Technical Advisory Committee (ETTAC or Committee) focused on research strategies and policy options to better implement national security-related controls. The Section 1758 of the Export Control Reform Act, and how the Bureau of Industry and Security (BIS) and the ETTAC can better coordinate efforts in contributing to the rulemaking process. BIS sought to engage the ETTAC further on understanding the development cycle and timeline for emerging technologies and how export controls could be implemented without hampering

the development of these technologies domestically. The ETTAC hosted speakers from Perdue University, National Institute of Standards and Technology, and BIS to discuss the university semiconductor initiatives, and the various ways the university is engaging with young students to better develop semiconductor-related talent. The Committee received a presentation on “fundamental research” within the Export Administration Regulations and discussed the definitional push-pull between fundamental research and emerging technologies. In FY2024, the Committee expressed the goal of further strengthening and deepening the working relationship between members, BIS and other Technical Advisory Committees, with the express goal of formulating and recommending substantive policy inputs for BIS consideration.

20b. How does the Committee balance its membership?

The ETTAC is composed of members from academia, industry, federal laboratories, and pertinent U.S. Government departments and agencies.

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

The ETTAC met three times in FY 2023. The meetings will allow the ETTAC to advise the Department of its ongoing activities related to identifying emerging technologies.

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

The ETTAC advises the Department on questions involving the identification of emerging technologies with potential dual-use applications as early as possible in their developmental stages

both within the United States and abroad. In its work the committee is forward leaning—focusing both on the current state of such technologies and projecting their likely effects five to ten years in the future on national security, the U.S. defense industrial base, and the overall health and competitiveness of the U.S. economy. The committee provides assessments and information on emerging technologies, potential so-called “chokepoint technologies” and trends in technologies of particular interest to the Bureau of Industry and Security (BIS). The committee advises BIS regarding the potential impact of Export Administration Regulations (EAR) on research activities, technical and policy issues relating to controls under the EAR, revisions of the Control List, including proposed revisions of multilateral controls in which the United States participates, the issuance of regulations and any other matters relating to actions designed to carry out the policy set forth in Section 3(2)(A) of the Act.

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

Closed sessions are held to allow for discussion of information classified for reasons of national security, information the premature disclosure of which would be likely to significantly frustrate implementation of a proposed agency action, or information of a commercial or financial nature that is privileged or confidential.

21. Remarks

Authorized by the Export Administration Act of 1979 (50 U.S.C. app. 4601-4623) as amended by the Export Administration Amendments Act of 1985, P.L. 99-64, 99 Stat. 120 (July 12, 1985). Although the Export Administration Act of 1979

(EAA), as amended, has expired, its provisions and those of the Export Administration Regulations were continued in effect, and to the extent permitted by law, when the President by Executive Order invoked the International Emergency Economic Powers Act.

Designated Federal Officer

Kevin Coyne Designated Federal Official

Committee Members	Start	End	Occupation	Member Designation
Blanchard, Scott	03/02/2020	03/02/2024	General Dynamics Mission Systems The Robotics Institute at Carnegie Mellon University	Representative Member
Dubrawski, Arthur	03/02/2020	03/02/2024	Woodruff School of Mechanical Engineering	Representative Member
Graham, Samuel	03/02/2020	03/02/2024	University of Colorado Boulder	Representative Member
Hayes, Bradley	03/02/2020	03/02/2024	Google, LLC	Representative Member
Kaufman, Daniel	03/02/2020	03/02/2024	University of Pennsylvania	Representative Member
Kearns, Michael	07/30/2021	07/30/2025	Boeing Company	Representative Member
Lowell, John	08/10/2021	08/10/2025	Qualcomm Technologies, Inc.	Representative Member
Malladi, Durga	03/02/2020	03/02/2024	Georgetown University, Center for Security and Emerging Technology	Representative Member
Matheny, Jason	03/02/2020	03/02/2024		Regular Government Employee (RGE) Member
Molnar, Michael	03/02/2020	03/02/2024	NIST	Regular Government Employee (RGE) Member
Momoda, Leslie Ann	03/02/2020	03/02/2024	HRL Laboratories, LLC University of Florida, Materials of Science and Engineering	Representative Member
Nino, Juan	03/02/2020	03/02/2024	Lockheed Martin	Representative Member
O'Connor, Colleen	03/02/2020	03/02/2024	Applied Materials Inc.	Representative Member
Patibandla, Nag	03/02/2020	03/02/2024	The MITRE Corporation	Representative Member
Puryear, Andrew	03/02/2020	03/02/2024		Representative Member

Samulski, Edward	03/02/2020	03/02/2024	University of North Carolina at Chapel Hill	Representative Member
Sues, Robert	03/02/2020	03/02/2024	Applied Research Associates, Inc.	Representative Member
Valdevit, Lorenzo	03/02/2020	03/02/2024	University of California, Irvine, Materials Science and Engineering	Representative Member
Venter, J. Craig	03/02/2020	03/02/2024	J. Craig Venter Institute	Representative Member
Wellman, Michael	03/02/2020	03/02/2024	University of Michigan, Electrical Engineer and Computer Science	Representative Member

Number of Committee Members Listed: 20

Narrative Description

The Committee will address issues surrounding emerging technologies and research and development activities that may be of interest from a dual-use perspective.

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

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

Outcome Comments

N/A

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	<input type="checkbox"/>
\$1,000,001 - \$5,000,000	<input type="checkbox"/>
\$5,000,001 - \$10,000,000	<input type="checkbox"/>
Over \$10,000,000	<input type="checkbox"/>
Cost Savings Other	<input type="checkbox"/>

Cost Savings Comments

N/A

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

110

Number of Recommendations Comments

The Committee met three times in FY 2023. There were two new recommendations in FY 2023.

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

100%

% of Recommendations Fully Implemented Comments

N/A

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

30%

% of Recommendations Partially Implemented Comments

N/A

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

Yes ☒ No ☐ Not Applicable ☐

Agency Feedback Comments

The agency includes the Emerging Technology Technical Advisory Committee in the process of incorporating the determinations into the Export Administration Regulations. For additional information or comments go to <https://tac.bis.doc.gov> .

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

Checked if Applies

Reorganized Priorities	<input type="checkbox"/>
Reallocated resources	<input 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

N/A

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

No

Grant Review Comments

N/A

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

N/A