

2025 Current Fiscal Year Report: Emerging Technology Technical Advisory Committee

Report Run Date: 09/07/2025 09:01:07 PM

1. Department or Agency

Department of Commerce

2. Fiscal Year

2025

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

06/21/2024 06/21/2026

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. Administrative Costs (FRNs, contractor support, In-person/hybrid/virtual meetings)	\$0.00	\$0.00
18d. Other (all other funds not captured by any other cost category)	\$0.00	\$0.00
18e. Total Costs	\$0.00	\$0.00
19. Federal Staff Support Years (FTE)	0.00	0.00

20a. How does the Committee accomplish its purpose?

In FY 2024, the Emerging Technology Technical Advisory Committee (ETTAC or Committee) focused on Regulatory Reviews - members reviewed and provided comments on seven rules prior to publication in FY24, they are: Revision of Licensing Requirements of Certain Cameras, Systems, or Related Components;

Standards-Related Activities; Implementation of Controls on Advanced Technologies Consistent with Controls Implemented by International Partners; Revisions to Space-Related Export Controls; Removal of License Requirements for Certain Spacecraft and Related Items Revisions to Space-Related Export Controls for Australia, Canada, and the United Kingdom; Implementation of 2023 Wassenaar Arrangement (WA) Decisions (not yet published, more information below); and Addition to Foreign-Produced Direct Product Rules, and Other Refinements to Controls for Advanced Computing and Semiconductor Manufacturing Items (not yet published). The ETTAC discussed emerging trends in cryptography, machine learning, and Generative AI during the closed May 2024 session. The ETTAC also provided input to BIS for various Notices of Inquiries and Advanced Notices of Proposed Rulemaking. Members reviewed and provided feedback on EAR amendments pursuant to WA decisions from the December 2023 Plenary meeting, to include the following Export Control Classification Numbers (ECCN): 1A003, 1A007, 1B001, 1C001, 1C011, 3A001, 3A002, 3B001, 3C003, 3C004, 5A001, 5D001, 5A002, 6A001, 6A002, 6A003, 6A005, 6A006, 6B004, 6C005, 6E003, 7A003, 8A002, 9B010, 9D004, and 9E003. The ETTAC were briefed on Australia Group (AG) updates, processes, and recent AG implementations during the closed July 2024 meeting. In FY2025, the Committee will formalize recurring recruitment cadence for ETTAC membership to ensure industry, to include small, medium, and large enterprises, government, and academic communities are adequately represented as it pertains to Critical and Emerging Technologies. Identify and on-board a new Co-Chair, as Dr. Graham has concluded his

tenure as ETTAC Co-Chair. Increase coordination of resources and knowledge across TAC's. Complete internal report and recommendations to BIS on Artificial Intelligence. Begin a focused set of discussions on and information gathering on quantum technologies. Continue to review and provide comments BIS draft rules prior to publication. Increase engagement of collaborative presentations and discussions centered on 'chokepoint technologies and other trends in emerging Section 1758 technologies that may require regulatory review. Promote active dialogue within ETTAC to identify and forecast emerging Section 1758 technologies. Conduct horizon-scanning analysis of emerging Section 1758 technologies to identify potential regulatory gaps within the EAR or other multilateral regimes. Issue Notice of Inquiries (NOIs) and Advanced Notice of Proposed Rulemaking (ANPRMs) on identified emerging Section 1758 technologies. Continue to review ECCN Categories 1 through 9 for Section 1758 applicability and updates as needed. Craft proposed regulatory updates in consultation with multilateral export control regimes. Conduct horizon-scanning analysis of emerging Section 1758 technologies to identify potential regulatory gaps within the EAR to propose to the WA. Support WA meetings as necessary. Review and provide technical assistance to modifications to ECCN 2B352.j - DNA synthesizers/assemblers. Conduct horizon-scanning analysis of emerging Section 1758 technologies to identify potential regulatory gaps within the EAR to propose to the AG. Support AG meetings as necessary.

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 2024. The meetings 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?

Meetings are partially closed 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
Kearns, Michael	07/30/2021	07/30/2025	University of Pennsylvania	Representative Member
Lowell, John	08/10/2021	08/10/2025	Boeing Company	Representative Member

Number of Committee Members Listed: 2

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 2024. There were no recommendations in FY 2024.

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?

0%

% 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



Online Agency Web Site



Online Committee Web Site



Online GSA FACA Web Site



Publications



Other



Access Comments

N/A