

2024 Current Fiscal Year Report: Information Systems Technical Advisory Committee

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1. Department or Agency

Department of Commerce

2. Fiscal Year

2024

3. Committee or Subcommittee

Information Systems Technical Advisory
Committee

3b. GSA

Committee No.

2075

4. Is this New During Fiscal Year?

No

5. Current Charter

05/04/2023 05/04/2025

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

Sections 1754 and 1768 of
the Export Control Reform
Act of 2018 (ECRA), (50
U.S.C. §§ 4801-4852)

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?

The Information Systems Technical Advisory Committee (ISTAC or Committee) focused on the following issues in FY2023: Developed Wassenaar (WA) proposals for issues related to Categories (Cat) 3, 4, 5p1 and 5p2, and provide support as necessary for proposals that are advanced to WA. There were seven proposals submitted to the Bureau of Industry and Security (BIS) for consideration. Six proposals in Cat 3A1/3A2 pertaining to microwave test & measurement instruments; and one for 3C4

pertaining to adsorbed gases. Of these, five were agreed within U.S. Government (USG) interagency and were among the slate that was forwarded to Wassenaar. They are: US-007; US-009; US-010; US-011 and US-012. Proposals US-010 and US-012 were agreed, further details on the outcome at Wassenaar are not yet known to the Committee. The ISTAC maintained active communication between industry and the interagency in FY23. The ISTAC meetings were well-attended by USG members from BIS, Department of Homeland Security, Defense Technology Security Administration, Transportation Security Administration, Naval Research Laboratory, National Security Agency and Department of State. Review and development of WA proposals for 2023 was primarily by email between BIS and the ISTAC. Standing Working Groups for each of Cat 3A, Cat 3B/3C, Cat 4, Cat 5p1 and Cat 5p2 were established in July 2008. A new Working Group for Cybertools was established in 2017. These groups remain in place and remain active. The purpose of these working groups is to create a formal structure with which to track activities in each category/subcategory, coordinate responses to BIS, develop Wassenaar proposals, etc. Experience with the working groups has been excellent: Cooperation and communication with the interagency on development of Wassenaar proposals has continued; and ISTAC activities are more clearly understood by meeting attendees, both ISTAC members and non-members. Each of the Working Groups presented reports of their activities at each of the four ISTAC meetings held in FY23. Additionally, Cat 3A, Cat 4, Cat 5 Part 2 and Cybertools working group each held multiple teleconferences among its industry members. The tradition of technical presentations from

subject-matter experts continued. Topics this year included: IEEE P3109 Working Group 8 Bit Number Formats, Secondary Cells (3A001.e.1.b), Encryption Helper Instructions, Open AI, Software Bill of Materials, Advanced Packaging, NASA optical communications, Wafer Scale Engine (Cerebras) and a presentation from the Strategic Rad Hard Electronics Council (SRHEC).

Coordinated individual comments to specific BIS requests on the following draft rules: Clarification of Controls on Radiation Hardened Integrated Circuits; and the Proposed Amendments to End-Use and End-User Based Export Controls.

Received several separate BIS requests for comments to revise Implementation of Additional Export Controls: Certain Advanced Computing and Semiconductor Manufacturing Items; Supercomputer and Semiconductor End Use; Entity List Modification. The Committee consolidated comments for replacing TOPS with a more universally understood measure.

Consolidated comments regarding changes to IC-to-IC bandwidth thresholds; coordinated individual comments for delineation between data center ICs of higher concern and consumer ICs of lower concern. Coordinated individual comments regarding IC performance density. Coordinated individual comments regarding the draft rule, Implementation of Additional Export Controls: Certain Advanced Computing Items and Semiconductor Manufacturing Items; Supercomputer and Semiconductor End Use; Updates to the Controls and Corrections. The ISTAC continued to promote broader awareness for committee members of other aspects of export controls. In FY23 we had five overview briefings on topics outside the scope of traditional ISTAC activities: Presentations from the Center for Security and Emerging Technology (CSET)

regarding China's self-perceived technological vulnerabilities ("Chokepoints") , broader implications associated with computer export controls ("Silicon Twist") and their collective confluence on policy; ChatGPT User experience; An update to the FY2022 briefing on the Brain-Computer Interface, which itself tied back to the NOI (86FR59070, Oct 26, 2021); NIST Post-Quantum Cryptography competition status and a brief history of U.S. export controls. The ISTAC work plan for FY2023 is to: Develop Wassenaar proposals for issues related to Cat 3, 4, 5p1 and 5p2, and provide support as necessary for proposals that are advanced to Wassenaar; Maintain close communication and cooperation between industry and the interagency during the review/vetting process of Wassenaar proposals; Maintain the standing working groups for Cat 3A, Cat 3B/3C, Cat 4, Cat 5p1, Cat 5p2, and Cybertools; these working groups provide structure for ISTAC activities; Continue to provide BIS with timely forecasts of industry technology improvements, product roadmaps, and feedback on proposed regulations; Provide BIS with ideas on emerging and fundamental technology with Cat 3, 4 5p1 and 5p2; Maintain active engagement of technical experts from industry in support of these activities and Provide advice as requested by BIS.

20b. How does the Committee balance its membership?

The ISTAC is composed of representatives of industry and government with specific technical expertise in the areas of semiconductors, computers, telecommunications and information security. The principal source for the members from industry are firms that export commodities and technology controlled under Commerce Control Lists 3, 4, and 5 (part 1 and 2).

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

The ISTAC met four times in FY 2023. It is successfully advising on the export control parameters for three interrelated Control List categories.

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

The ISTAC addresses issues relating to Control List Categories 3 (electronics -semiconductor section), 4 (computers), and 5 (telecommunications and information security). Few people possess the technical expertise needed to advise on controls in these areas. The ISTAC is the only group of its kind directly accessible to Government officials.

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. 2401-2420) 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

Anita Zinzuvadia DFO

Committee Members	Start	End	Occupation	Member Designation
Anifantis, Constantine	10/09/2019	10/09/2023	Hewlett Packard	Representative Member
Davidson, Donald	06/18/2021	06/18/2025	SYNOPSYS, LLC	Representative Member
Giakouminakis, Anastasios	06/18/2021	06/18/2025	Rapid7, Inc.	Representative Member
Hazzard, Shane	03/30/2020	03/30/2024	Textronix, Inc.	Representative Member
Hinds, Chris	06/18/2021	06/18/2025	Arm, Inc.	Representative Member
Hislop, Sherry	06/18/2021	06/18/2025	TrellisWare Technologies, Inc.	Representative Member
Jones, Thomas	10/09/2019	10/09/2023	Research Electronics International	Representative Member
Kaplan, David	03/30/2020	03/30/2024	Advanced Micro Devices	Representative Member
Laggisetty, Karthik	06/18/2021	06/18/2025	Hitachi Vantara	Representative Member
Lindsay, David	09/01/2021	09/01/2025	Intel Corporation	Representative Member
Lutz, Michael	10/09/2019	10/09/2023	Google, Inc.	Representative Member
Matchett, Noel	10/09/2019	10/09/2023	Information Security, Inc.	Representative Member
Popa, Andrea	06/18/2021	06/18/2025	NetApp	Representative Member
Ranganathan, Venugopal	10/09/2019	10/09/2023	Qualcomm, Inc.	Representative Member
Rivera, Hector	06/18/2021	06/18/2025	Texas Instruments, Inc.	Representative Member
Roberts, Steven	03/25/2020	03/25/2024	IBM	Representative Member
Robertson, David	06/18/2021	06/18/2025	Analog Devices, Inc.	Representative Member
Rogers, Jeffrey	06/18/2021	06/18/2025	Applied Materials, Inc.	Representative Member
Speers, Ryan	10/09/2019	10/09/2023	Ionic Security, Inc.	Representative Member
Torres, Rock	03/30/2020	03/30/2024	Qualcomm, Inc.	Representative Member
Van, Trinh	05/04/2020	05/04/2024	Intel Corporation	Representative Member

Wise, Jonathan	07/01/2020	07/01/2024	Keysight Technologies, Inc.	Representative Member
Zeoli, Steven	10/09/2019	10/09/2023	IBM	Representative Member

Number of Committee Members Listed: 23

Narrative Description

Industry input regarding controls on computers, semiconductors and related equipment, telecommunications, and information security is crucial in developing an export control policy that will maintain competitiveness in the global marketplace while addressing vital national security concerns. In the Information Systems Technical Advisory Committee, the Department of Commerce has a resource as dynamic and imaginative as the industry sectors it encompasses.

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

NA

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?

92

Number of Recommendations Comments

The Committee met four times in FY23. There were seven recommendations/proposals in FY23.

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

35%

% of Recommendations Fully Implemented Comments

For this metric we are counting the number of Wassenaar proposals the ISTAC wrote or provided input to, that were adopted as multilateral controls as Wassenaar. Five of seven were agreed.

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

10%

% of Recommendations Partially Implemented Comments

For this metric we are counting the number or proposals submitted to the USG that became Wassenaar proposals. The ISTAC submitted seven proposals to BIS for consideration in FY2023. Five of the seven proposals were forwarded to Wassenaar.

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 Information Systems Technical Advisory Committee in the process of incorporating the determinations of the various multilateral regimes 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 checked="" 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

