

2024 Current Fiscal Year Report: Sensors and Instrumentation Technical Advisory Committee

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1. Department or Agency

Department of Commerce

2. Fiscal Year

2024

3. Committee or Subcommittee

Sensors and Instrumentation Technical
Advisory Committee

3b. GSA

Committee No.

370

4. Is this New During Fiscal Year?

No

5. Current Charter

08/30/2023 08/30/2025

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 (ECRA), (50 U.S.C.
Sections 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?

In FY 2023, the Sensors and Instrumentation Technical Advisory Committee (SITAC or Committee) covered many topics and issues introduced and addressed in FY 2023, such as: a proposal to the Bureau of Industry and Security regarding 744.9; Single-mode fiber laser Wassenaar (WA) proposal; Diode Laser Bar WA proposal; OPO WA Laser Proposal; and New controls on semiconductors and related equipment. Of the two WA proposals submitted to the inter-agency, neither were accepted and

brought to WA in 2023. SITAC has spent the year working out adjustments to those proposals to address concerns, in addition to developing new proposals. In FY 2024, the Committee will continue to expand industry recruiting and outreach activities, particularly in emerging technology areas covered by SITAC and technology areas not well represented presently among TAC membership. Increase participation by relevant technical experts within Department of Defense in SITAC meetings. The Committee will work closely with BIS' TAC administration on the following items: Change in end-User requirements for dual-use cameras; 744.9. Support SITAC 2024 WA submissions in OPO (WA) Laser proposal; 6A005.a.5.b- Multimode Laser WA proposal; 6A005.a.6.a- Single mode Laser proposal; Update of 6A005.a.6.b.1 and b.- Industrial Lasers and Update of power level in 6.A.5.d.1.b- Multimode Semiconductor Laser. Seek changes in regulation or policy related to uncooled IR foreign availability. Emerging and Foundational Technology: individual proposal review (as needed). Assist in WA discussions related to Category 6. Coordinate any required responses to internal BIS proposals.

20b. How does the Committee balance its membership?

The SITAC is composed of industry representatives, and U.S. Government agencies with specific technical or export control expertise. Members of the SITAC possess a wide range of technical knowledge regarding the design, manufacture, and export of commodities and technology currently listed in Control List Categories 3 and 6.

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

The SITAC met four times during FY 2023. The meetings allowed the SITAC to advise the Department on the technical parameters for commodities and technology within Commerce Control List Categories 3 and 6.

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

The SITAC makes recommendations regarding commodities and technical data within Control List Category 3 (electronics - instrumentation section) and Category 6 (sensors). Through this Committee, the Department brings together technically qualified persons with expertise on a wide range of electronic instrumentation and sensor equipment. The Committee provides a forum for technical advice that would otherwise be unavailable.

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

Authorization 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

Thomas Langhorne DFO

Committee Members	Start	End	Occupation	Member Designation
Chen, Leonard	10/09/2019	10/09/2023	Raytheon Vision Systems	Representative Member
Douris-O'Bryan, Jennifer	10/19/2019	10/09/2023	SPIE	Representative Member
Guritza, Ashley	10/09/2019	10/09/2023	University of Central Florida	Representative Member
LaChapelle, Joseph	07/01/2020	07/01/2024	Luminar Technologies, Inc.	Representative Member
Lane, James	10/09/2019	10/09/2023	National Geospatial Intelligence Agency	Representative Member
McMichael, Ryan	06/18/2021	06/18/2025	Zoox, Inc.	Representative Member
Piehn, Thomas	10/09/2019	10/09/2023	Sofradir EC, Inc.	Representative Member
Quarles, Gregory	06/18/2021	06/18/2025	The Optical Society	Representative Member
Ranganathan, Venugopal	10/09/2019	10/09/2023	Qualcomm, Inc.	Representative Member
Schmidt, Matthew	06/18/2021	06/18/2025	Fluke Corporation	Representative Member
Tiano, Carlo	10/09/2019	10/09/2023	Rockwell Collins	Representative Member
Tolbert, Mark	07/01/2020	07/01/2024	TOPTICA Photonics, Inc.	Representative Member

Number of Committee Members Listed: 12

Narrative Description

Industry input regarding export controls on sensors and instrumentation is crucial in developing policy that will maintain competitiveness in the global marketplace while addressing vital national security concerns. The industry forum provided by the Sensors and Instrumentation Technical Advisory Committee is a resource that effectively addresses both the technical and the economic factors that should be considered in developing export

control policy.

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

NA

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

Number of Recommendations Comments

The SITAC provided a number of recommendations on a variety of topics. The SITAC continued to support a rule proposing to modify Section 744.9 of the Export Administration to remove license requirements for commercial cameras being exported to allied militaries that was originally submitted to BIS in 2021. This rule has completed BIS review and is awaiting submission to OPM. Another rule addressing deemed exports was presented to BIS. The SITAC is currently collaborating with the RPTAC to finalize a combined deemed export rule. The SITAC was also active in supporting BIS efforts in the Wassenaar Arrangement (WA). The SITAC-generated proposals to adjust the output power for certain green lasers and to adjust waveband for certain semiconductor lasers used in automotive applications were included in BIS WA rule issued in 2023. The SITAC also submitted one new WA proposal to adjust the output power for certain laser bars. Finally, the SITAC provided recommendations for seven foreign proposals to the WA (cameras and image intensifiers), bringing the total number of recommendations to twelve.

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

58%

% of Recommendations Fully Implemented Comments

The SITAC-generated proposal to adjust output power threshold for certain multimode semiconductor lasers was adopted in the Commerce Control List (CCL). The SITAC's recommendations to not support the four foreign proposals were taken to the WA, and the proposals were withdrawn or not agreed.

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

8%

% of Recommendations Partially Implemented Comments

The SITAC recommendations to support an additional proposal at the WA is near agreement. Discussions on this topic will continue into the coming year.

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 Sensors and Instrumentation 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

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

N/A