

2025 Current Fiscal Year Report: Sensors and Instrumentation Technical Advisory Committee

Report Run Date: 06/04/2025 06:02:39 PM

1. Department or Agency

Department of Commerce

2. Fiscal Year

2025

3. Committee or Subcommittee

Sensors and Instrumentation Technical
Advisory Committee

3b. GSA

Committee No.

370

4. Is this New Fiscal Year?

No

5. Current Charter

08/30/2023

6. Expected Renewal Date

08/30/2025

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

14.

Committee Type

Continuing

14c.

Presidential?

No

15. Description of Committee

Advisory Board

Scientific Technical Program

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 2024, the Sensors and Instrumentation Technical Advisory Committee (SITAC or Committee) covered many topics and issues introduced and addressed in FY 2024, such as: a proposal to the Bureau of Industry and Security regarding 744.9 that went into effect on March 8, 2024; Single-mode fiber laser Wassenaar (WA) proposal; Diode Laser Bar WA proposal; OPO WA Laser Proposal; and New controls on semiconductors and related equipment. the US proposal updating the laser diode output power to

30 W in the 780-1100 nm waveband was agreed by the EG. This decision will need to be confirmed by the WA Plenary in December of this year before being finalized. If confirmed, it would likely be adopted into the EAR at some point in the second half of 2025. In addition to developing new proposals. In FY 2025, 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: 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 2024, two meetings have been virtual and two in-person. October 31, 2023 (in-person at Department of Commerce (Washington D.C.)), January 30, 2024 (San Francisco), April 30, 2024 (virtually), August 6, 2024, (virtually). 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
McMichael, Ryan	06/18/2021	06/18/2025	Zoos, Inc.	Representative Member
Quarles, Gregory	06/18/2021	06/18/2025	The Optical Society	Representative Member
Schmidt, Matthew	06/18/2021	06/18/2025	Fluke Corporation	Representative Member

Number of Committee Members Listed: 3

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
Trust in government
Major policy changes
Advance in scientific research
Effective grant making

☐
☐
☐
☐
☐

- | | |
|---|-------------------------------------|
| 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?

56

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 been completed and went into effect on March 8, 2024. 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 2024. The SITAC also submitted one new WA proposal to adjust the output power for certain laser bars. Finally, the total of Wassenaar proposals for FY 24 is 12 recommendations, 6 fully implemented, and 1 partially implemented.

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

50%

% of Recommendations Fully Implemented Comments

For FY2024 the SITAC-generated five proposals, which one proposal was sent to WA and it was agreed. For WA foreign proposals there were seven proposals in the SITAC area. Five of the proposals were supported in consultation with the SITAC. Of the five proposals four were agreed, so six of seven recommendations were fully implemented.

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 the topic will continue the coming year. The overall result is that 8.3% of the SITAC's recommendations were 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

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 ☐

Reallocated resources ☐

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