

2024 Current Fiscal Year Report: Transportation and Related Equipment Technical Advisory Committee

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1. Department or Agency		2. Fiscal Year	
Department of Commerce		2024	
3. Committee or Subcommittee		3b. GSA Committee No.	
Transportation and Related Equipment Technical Advisory Committee		181	
4. Is this New Fiscal Year?	5. Current Charter	6. Expected Renewal Date	7. Expected Term Date
No	08/16/2022	08/16/2024	
8a. Was Terminated During Fiscal Year?	8b. Specific Termination Authority		8c. Actual Term Date
No			
9. Agency Recommendation for Next Fiscal Year	10a. Legislation Req to Terminate?	10b. Legislation Pending?	
Continue	Not Applicable	Not Applicable	
11. Establishment Authority	Statutory (Congress Created)		
12. Specific Establishment Authority	13. Effective Date	14. Committee Type	14c. Presidential?
Section 1754 of the Export Controls Act of 2018 (the Act) (Pub. L. 115-232, 132 Stat. 1636)	07/12/1985	Continuing	No
15. Description of Committee Scientific Technical Program Advisory Board			
16a. Total Number of Reports	No Reports for this Fiscal Year		
17a. Open	17b. Closed	17c. Partially Closed	Other Activities
0	0	0	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 Transportation and Related Equipment Technical Advisory Committee (TRANSTAC or Committee) focused on the following issues for FY2023: The Wassenaar Arrangement (WA) Support Group reviewed and provided technical validation for U.S. and foreign proposals that impact transportation and related equipment. The Committee have been deeply involved with the update of various proposals submitted by member

states and the proposals submitted by the U.S. The Unmanned Aircraft Vehicle (UAV)/Unmanned Aircraft System (UAS) Working Group (WG) continues to work to address emerging UAV regulations and respond to Wassenaar proposals. The WG provided comments and updates to US proposal to the Missile Technology Control Regime (MTCR). The Spacecraft TWG has a list of items to review for updates and clarification, and supported discussion on several space-related Wassenaar proposals. The Compressor TWG is in concert with Department of Defense, drafted a Wassenaar proposal for controls for Gas Turbine Engine compressor technology and provided continuous support throughout the year. The Encryption Technical Working Group (TWG) drafted a Wassenaar non-Paper to address emerging aircraft data security requirements in regards to existing encryption controls. A Technical Advisory Committee (TAC) authored proposal to allow the release of civil-certified supersonic engines, while protecting the critical technologies (an emerging field) was accepted at the 2022 Wassenaar December plenary and is in queue for the next Commerce Control List (CCL) update. The TAC established a Section 1758 Technologies (previously known as Emerging and Foundational Technology) TWG to support the work of the Emerging Technology Technical Advisory Committee (ETTAC). The TRANSTAC is actively engaged in reviewing proposals related to the U.S. Munitions List (ML) to CCL transition. The Missile Technology Control Regime representative participates in all the TRANSTAC meetings. In addition, the working group provide input on potential regime changes particularly when a control is driven by both Missile Technology (MT) and WA control lists. The Committee actively

comment on regulation proposals provided to them on the committee website. Members have supported implemented and proposed changes in the Export Administration Regulations related to Export Reform. Identified specific clarifications or corrections in the EAR and supplied suggested language. The Committee also provided input to the DOC for various Notices of Inquiry. In FY2024, the Committee will Identify objective criteria for Section 1758 Technologies. Promote the Spacecraft and UAS TWGs to address issues with existing regulatory language and emerging issues. Continue to review the ECCNs in Category 7, 8 and 9 for possible updates. Review in conjunction with the Materials and Equipment TAC those entries in Categories 1 and 2 specific to aerospace and marine systems. Continue to review and provide technical advice and inputs for U.S. and foreign proposals that impact transportation and related equipment. Develop non-papers and proposals for updating controls for items in Categories 1, 7, 8, 9 for interagency consideration for presentation at the WA Experts Group and MTCR meetings. Facilitate the communication of consistent and clear licensing standards across Industry and the reviewing Agencies. Foster inter-TAC coordination to better leverage resources and knowledge. Identify objective criteria for Section 1758 Technologies. Provide support of Technical Working Groups related to transportation and related equipment, including spacecraft. Continue to review the ECCNs in Category 7, 8 and 9 for possible updates, specifically: Eliminate overlap and clarify 9.D.1, 9.D2, and 9.D.4.; Eliminate overlap between 9.E.a.3 and 1.E.1.; Update controls on gas turbine engines for space launch vehicles; Continue to work 9.E.3 Compressor controls; Clarify wording in 9A515 and 9E515; Support

proposals for UAV/UAS; Support proposals for emerging AMM equipment and systems; and review controls for Space systems. Review in conjunction with the Materials & Equipment TAC those entries in Categories 1 and 2 specific to aerospace and marine systems. Continue to review and provide technical validation for U.S. and foreign proposals that impact transportation and related equipment. Develop non-papers and proposals for updating controls for items in Categories 1, 7, 8 and 9 for interagency consideration for presentation at the Spring 2021 Wassenaar Arrangement Experts Group. Support Wassenaar Experts meetings as necessary. Facilitate the communication of consistent and clear licensing standards across Industry and the reviewing Agencies. Foster inter-TAC coordination to better leverage resources and knowledge. Provide technical advice and validation for U.S. and foreign proposals. Clarify scope of control for 9E101. Actively support USML to CCL transition activities, including reviews of draft proposed rules and requests for advice. Continue to review and comment on Commerce prepared regulations. Continue to support and actively participate on the Technical Working Groups described above for items or issues related to transportation and related equipment. Provide comments to clarify de minimis and Direct Product Rules. Provide support and comments on Sanction and Entity controls in response to geopolitical changes.

20b. How does the Committee balance its membership?

The TRANSTAC is composed of industry representatives, and U.S. Government agencies (Departments of Commerce, Defense, and State) with specific technical or export control expertise. Members of the TRANSTAC possess advanced

technical knowledge regarding the design, manufacture, and export of gas turbine engines, avionics, and other transportation and related equipment. This expertise qualifies them to advise the Department on the related technical parameters for export control.

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

The TRANSTAC met four times in FY2023. The meetings allow the TRANSTAC to advise the Department on the technical parameters for Commerce Control List Categories 7, 8, and 9.

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

The TRANSTAC advises the Department on the technical parameters for commodities and technical data within Control List Categories 7 (navigation and avionics), 8 (marine technology), and 9 (propulsion systems and aerospace equipment). The TRANSTAC provides the Department with the otherwise unavailable advice of technically qualified individuals in these industry sectors.

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

Patricia Muldonian DFO

Committee Members	Start	End	Occupation	Member Designation
Bittner, Bryce	06/18/2021	06/18/2025	Textron, Inc.	Representative Member Regular
Colandene, Thomas	07/01/2021	07/01/2025	Department of Defense	Government Employee (RGE) Member Regular
Colon, Jose	07/01/2021	07/01/2025	Department of State	Government Employee (RGE) Member
Donahue, Colin	04/17/2020	04/17/2024	Rolls-Royce North America, Inc	Representative Member
Fleming, Eric	04/17/2020	04/17/2024	Airbus Americas, Inc.	Representative Member
Gardner, Kevin	10/09/2019	10/09/2023	Honeywell Engines and Systems	Representative Member
Kunz, Peter	09/08/2021	09/08/2025	Boeing Company	Representative Member
Lawson, Robert	10/09/2019	10/09/2023	General Electric Aviation	Representative Member
Lewis, Larry	09/07/2021	09/07/2025	Boeing Company Commercial Airplanes	Representative Member
Phillips, Mark	10/09/2019	10/09/2023	Southwest Research Inst.	Representative Member
Ross, Claude	04/17/2020	04/17/2024	Apple, Ic.	Representative Member

Number of Committee Members Listed: 11

Narrative Description

Industry input regarding export controls on transportation and related equipment is crucial in developing a policy that will maintain competitiveness in the global marketplace while addressing vital national security concerns. The industry forum provided by the Transportation and Related Equipment Technical Advisory Committee is a resource that effectively addresses both the technical and 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 checked="" 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?

24

Number of Recommendations Comments

In FY 2023 the TAC continued work on one WA proposal (engines and associated technology for supersonic civil aircraft), which was accepted at the WA 2022 plenary. Because of the high WA workload caused by carryover proposals from delayed/foreshortened 2020 and 2021 WA meetings, BIS requested the TAC keep new proposals to a minimum.

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

The TAC is providing detailed technical support for three U.S. WA proposals for compressor technology, aerospace-critical powdered metals, and Additive Manufacturing equipment. This includes providing comments and edits to the proposals (and subsequent revisions) in response to comments from other WAPS. Not all TAC recommendations have been accepted, as this consists of numerous updates to the overall wording of the proposals. However, every proposal update has incorporated TAC recommendations.

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

100%

% of Recommendations Partially Implemented Comments

The TAC-proposed Wassenaar non-Paper to address emerging aircraft data security requirements in regards to existing encryption controls was not accepted for WA submission.

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 Transportation and Related Equipment Technical Advisory Committee in the process of incorporating the results of deliberations at 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 checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Access Comments

N/A