

2018 Current Fiscal Year Report: Transportation and Related Equipment Technical Advisory Committee

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1. Department or Agency

Department of Commerce

2. Fiscal Year

2018

3. Committee or Subcommittee

Transportation and Related Equipment Technical Advisory
Committee

3b. GSA Committee No.

181

4. Is this New During Fiscal Year?

No

5. Current Charter

08/16/2018

6. Expected Renewal Date

08/16/2020

7. Expected Term Date

8a. Was Terminated During FiscalYear?

No

8b. Specific Termination Authority

8c. Actual Term Date

9. Agency Recommendation for Next FiscalYear

Continue

10a. Legislation Req to Terminate?

No

10b. Legislation Pending?

Not Applicable

11. Establishment Authority Statutory (Congress Created)

12. Specific Establishment Authority

Section 1754 of the Export Controls Act of 2018 (the
Act) (Pub. L. 115-232, 132 Stat. 1636)

13. Effective Date

07/12/1985

14. Committee Type

Continuing

14c. Presidential?

No

15. Description of Committee Scientific Technical Program Advisory Board

16a. Total Number of Reports

No Reports for this
FiscalYear

17a. Open 0 17b. Closed 0 17c. Partially Closed 4 Other Activities 0 17d. Total 4 Meetings and Dates

Purpose	Start	End
Discussion on WA and/or NSG activities.	11/15/2017	- 11/15/2017
Discussion on WA and/or NSG activities. Working group activities	03/07/2018	- 03/07/2018
Discussion on WA and/or NSG activities. Working group activities, and ECR Implementation.	05/09/2018	- 05/09/2018
Discussion on USML/CCL Update Implementation, and Working group activities.	09/26/2018	- 09/26/2018

Number of Committee Meetings Listed: 4

	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	\$37,430.00	\$37,430.00
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.)	\$4,689.00	\$4,689.00
18d. Total	\$42,119.00	\$42,119.00
19. Federal Staff Support Years (FTE)	0.30	0.30

20a. How does the Committee accomplish its purpose?

The Transportation and Related Equipment Technical Advisory Committee (TRANSTAC) focused on the following issues for FY2018: The Wassenaar Arrangement (WA) Support Group reviewed and provided technical validation for U.S. and foreign proposals that impact transportation and related equipment. TRANSTAC members also assisted in the preparation of Wassenaar proposals to clarify and/or update entries in the areas of Missile Systems (Missile Technology Working Group), Inertial Systems (Inertial Technical Working Group), Testing Software (9.D.4 Working Group), Combustor Technology, tooling for gas turbine engines, and Definitions. The TRANSTAC members assisted in the preparation of a Wassenaar white papers in the areas of Pressure Gain Combustor, Hollow Fan Blade, and Helicopter power transfer system technologies. Two TRANSTAC members attended the Wassenaar Intersessional and Experts Group meetings, participating in discussions on various proposals submitted by member states and the proposals submitted by the U.S. The 9.D.4 Technical Working Group (TWG) submitted an update to 9.D.4.b that was subsequently accepted at the 2017 WA Plenary. The TRANSTAC submitted a proposal to eliminate as redundant 9.E.3.a.7, which has been agreed to. The TWG continues to review the regulations to identify update/clarification opportunities. The Gearbox Working Group (GWW) continues to work on Export Administration Regulation (EAR)/International Traffic in Arms Regulations (ITAR) overlap and to develop performance based wording for Power Transfer Systems. The GWW submitted a White Paper in 2018. The Unmanned Aerial 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. The Compressor TWG is reviewing possible controls for Gas Turbine Engine compressors. The Industrial Gas Turbine TWG reviewed possible de-controls from 9.E.3 for Industrial Gas Turbine engine technology. The Encryption TWG was established to review emerging aircraft data security requirements in regards to existing encryption controls. The TRANSTAC is actively engaged in reviewing proposals related to U.S. Export Reform. The Missile Technology Control Regime Support group participates in all of the

TRANSTAC meetings. In addition, the working groups provide input on potential regime changes particularly when a control is driven by both Missile Technology (MT) and Wassenaar Arrangement control lists. They supported the successful removal from MT control of large pre-certified engines destined for civil aircraft service. Members actively comment on regulation proposals provided to them on the TRANSTAC website. Members have supported implemented and proposed changes in the EAR related to Export Reform. The TRANSTAC has identified specific clarifications or corrections in the EAR, and supplied suggested language. The TRANSTAC also provided input to Department of Commerce for various Notices of Inquiry. In FY2019, the TRANSTAC will identify objective criteria for sensitive Emergent and Foundational technologies in support of BIS objectives. Provide support of Technical Working Groups related to transportation and related equipment, including spacecraft. Continue to review the ECCNs in Categories 7, 8 and 9 for possible updates, specifically: Eliminate overlap and clarify 9.D.1, 9.D.2, and 9.D.4. Eliminate overlap between 9.E.a.3 and 1.E.1. Clarify or eliminate 9.E.3.a.11. Open discussion on commercial supersonic aircraft and engines. Open discussion on gas turbine engines for space launch vehicles. Examine possible 9.E.3 Compressor controls. Examine possible de-control of IGT-specific 9.E.3 technology. Clarify 9.E.3.d. Clarify wording in 9A515 and 9E515. Support proposals for UAV/UAS. Support proposals for emerging AMM equipment and systems. Review controls for Space systems. Review in conjunction with the Materials 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. Review Category 5 part 2 in relation to emerging aircraft data security requirements. 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 2019 Wassenaar Arrangement Experts Group. The TRANSTAC will provide technical advice and validation for U.S. and foreign proposals. Clarify scope of control for 9E101. Actively support Export Reform 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

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 FY 2018. 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
Bergeron, Joseph	01/12/2017	01/12/2021	Analog Devices, Inc.	Representative Member
Bittner, Bryce	03/07/2016	03/07/2020	Textron, Inc.	Representative Member
DePew, Kimberly	11/18/2010	04/03/2019	General Electric Aviation	Representative Member
Gericke, Chad	02/11/2014	02/11/2018	Airbus Americas, Inc.	Representative Member
Green, Jaymi	06/01/2016	06/01/2020	Apple, Inc.	Representative Member
Kaplan, Corinne	07/25/2018	07/25/2022	Airbus Defense and Space, Inc.	Representative Member
Kelly, Julia	05/06/2014	05/06/2018	The Boeing Company	Representative Member
Lawson, Robert	04/03/2015	04/03/2019	General Electric Aviation	Representative Member
McGrew, James	01/04/2016	01/04/2020	Insitu, A Boeing Company	Representative Member
Novis, Ari	07/06/2010	08/22/2018	Pratt & Whitney Aircraft	Representative Member
Osborne, Michael	04/06/2010	08/22/2018	Honeywell Commercial Aviation	Representative Member

Pfeifer, Howard	05/02/2017	05/02/2021	United Technologies Corporation	Representative Member
Poindexter, Laurie	03/07/2016	03/07/2020	The Boeing Company	Representative Member
Stevenson, Donald	04/06/2010	02/11/2018	Honeywell, Inc.	Representative Member
Volk, Charles	11/04/2016	11/04/2020	Northrop Grumman	Representative Member
Zarfos, Todd	10/01/2009	08/22/2018	The Boeing Company	Representative Member

Number of Committee Members Listed: 16

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
- Trust in government
- Major policy changes
- Advance in scientific research
- Effective grant making
- Improved service delivery
- Increased customer satisfaction
- Implementation of laws or regulatory requirements
- Other

Outcome Comments

NA

What are the cost savings associated with this committee?

Checked if Applies

- None
- Unable to Determine
- Under \$100,000
- \$100,000 - \$500,000
- \$500,001 - \$1,000,000
- \$1,000,001 - \$5,000,000
- \$5,000,001 - \$10,000,000
- Over \$10,000,000

Cost Savings Other

Cost Savings Comments

NA

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

4

Number of Recommendations Comments

The Committee meets four times per year. There were no recommendations in FY18.

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

0%

% of Recommendations Fully Implemented Comments

NA

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

50%

% of Recommendations Partially Implemented Comments

NA

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.

What other actions has the agency taken as a result of the committee's advice or recommendation?

Reorganized Priorities

Checked if Applies

- Reallocated resources
- Issued new regulation
- Proposed legislation
- Approved grants or other payments
- Other

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
- Online Agency Web Site
- Online Committee Web Site
- Online GSA FACA Web Site
- Publications
- Other

Access Comments

N/A