

2020 Current Fiscal Year Report: Materials Processing Equipment Technical Advisory Committee

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1. Department or Agency

Department of Commerce

2. Fiscal Year

2020

3b. GSA

Committee

No.

3. Committee or Subcommittee

Materials Processing Equipment Technical
Advisory Committee

361

4. Is this New During Fiscal Year?

No

5. Current Charter

10/19/2017 10/19/2019

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?

No

10b. Legislation Pending?

Not Applicable

11. Establishment Authority

Statutory (Congress Created)

12. Specific Establishment Authority

50 U.S.C. §§ 4601-4623
(Supp. III 2015) (the "Act")

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 Materials Processing Equipment Technical Advisory Committee (MEPTAC) focused on the following issues in FY2019: The committee worked closely with attending agencies to discuss multiple Category 2 and Wassenaar topics: provided industry perspective on active Wassenaar proposals. The MPETAC continued to support BIS and U.S. Government Export Control Reform Act activities. The MPETAC provided Government information and status regarding Industry 4.0 technologies applied to and emerging within the machine tool segment. Provided

information and status regarding AM technologies applied to and emerging within the machine tool segment. The MPETAC supported efforts to identify emerging technologies and formulate effective controls. The MPETAC hosted a presenter from the Association for Manufacturing Technology to provide an overview of MTConnect. The MTConnect is an open source communication/encoding protocol that presents disparate data from various machines into one common language that can be read and acted on. Additionally, a MPETAC member presented on the Boeing Company's Industry 4.0 transformation and its use of new and emerging technologies in its products and operations. Foreign policy updates, continued scrutiny and higher level of control to China, North Korea, Venezuela, and Iran. An overview of Manufacturing Industry health. The MPETAC discussed the merger with the Materials Technical Advisory Committee. Potential areas of overlap: Equipment where the controlling aspect is the material being processed (i.e. caustic, corrosive, explosive, etc.) and equipment where the controlling aspect is the equipment's mechanical capability to manufacture a material/end item to required standards (accuracy/upr, multi-axis positioning/contouring, inert environments with reactive materials, etc). There will be some industries with limited material development for equipment vs. other industries where new equipment is being developed to enable the manufacture of new materials. The MPETAC overlap was considered complimentary and overall feeling amongst attendees was in support of a TAC merger.

20b. How does the Committee balance its membership?

The MPETAC is composed of industry

representatives, and U.S. Government agencies (Departments of Commerce, Defense, State and Energy) with specific technical or export control expertise in hardware and software, machine tool and design, design and development, and manufacturing.

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

The MPETAC met four times during FY 2019. The meetings allowed the MPETAC to develop recommendations pertaining directly to Control List Category 2 export control commodities and technology.

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

Few people possess the technical expertise necessary to advise the Department on controls in the materials processing area. Depending on their area of expertise, MPETAC members are able to discuss the accuracy, foreign availability, and control parameters for items including the following: motion control boards, tool and cutter grinding machines, turning machines, milling machines, and gear-making machines.

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. MPETAC, Committee # 361 (COM-000218), merged with Materials Technical Advisory Committee (MTAC) Committee # 360 (COM-000184) to establish the Materials and Equipment Technical Advisory Committee (METAC). The Department of Commerce is combining these two committees to provide an increased coordination as related to export controls relative to their respective interest. By combining the functions of both committees into a single committee lowers the estimated annual operating cost of the METAC.

Designated Federal Officer

Jeff Bond DFO

Committee Members	Start	End	Occupation	Member Designation
Keller, Brent	01/04/2016	01/04/2020	Fives Cincinnati	Representative Member
Sampson, Steven	11/04/2016	11/04/2020	Boeing Commercial Airplanes	Representative Member
Timmons, Lynn	12/01/2016	12/01/2020	Department of Energy	Regular Government Employee (RGE) Member
Wolf, Vivian	12/01/2016	12/01/2020	U.S. Department of Defense	Regular Government Employee (RGE) Member

Number of Committee Members Listed: 4

Narrative Description

Industry input regarding export controls on materials processing

equipment is crucial in developing an export control policy that will maintain competitiveness in the global marketplace while addressing vital national security concerns. The industry forum provided by the Materials Processing Equipment Technical Advisory Committee is a resource that effectively addresses both the technical and economic factors that should be considered in developing the 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

N/A

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?

5

Number of Recommendations Comments

The Committee meets four times per year. There were no recommendations in FY19.

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

N/A

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

25%

% of Recommendations Partially Implemented Comments

N/A

Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?

Yes ☒ No ☐ Not Applicable ☐

Agency Feedback Comments

N/A

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

☐

Other

☐

Action Comments

N/A

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