Transportation and Related Equipment Technical Advisory Committee (TransTAC)

February 10, 2011 U.S. Department of Commerce Bureau of Industry and Security Washington, DC

OPEN SESSION

TransTAC members in attendance: (Industry) Mr. Donald Stevenson (TransTAC Chair), Ms. Kimberly DePew, Mr. Michael Gries, Mr. Dean Johnson, Mr. Michael Osborne, Mr. Howard Pfeifer, Mr. Ari Novis, Mr. Scott Pelton, Mr. Charles Volk, Mr. Ken Lyons, Mr. Joseph Brostmeyer, and Mr. Jim Downs (by phone). (Government) Mr. Gene Christiansen (DFO). Others present: The complete list of attendees is attached at the end of these minutes.

Opening remarks

Mr. Don Stevenson called the meeting to order at 9:45 a.m. and introductions were made around the room.

CCL Review – Working Group Reports

Transportation TAC (TransTAC) members described the status of the review for Categories 7-9 of the Commerce Control List (CCL), as well as efforts underway by the Composite Working Group.

Category 7

Inertials- Mr. Mike Osborne provided a status on the inertial portion of Category 7.

The team is actively meeting, most recently on January 20, and conducting a list review of the following categories: 7A001, 7A002, 7A003, 7A101, 7A102, 7A103.

Their focus areas currently include:

Emerging technologies and Commercial / Foreign Availability

- Non-Traditional markets for inertial sensors driving development in MEMS
- Need for re-assessment of control levels / working non-paper

Unintended coverage issues due to control language

- MEMS solid state miniaturized IMUs
- Inherent high g survivability
- Range vs. Capability of accelerometers

Accelerometer Bias Stability vs. Bias Repeatability terms

• Consider what is critical for weapons systems and what actually differentiates better performing sensors.

7A003/7A103 Inertial Equipment/Systems terms lack of definitions

- Exploring industry committee / standards definitions (Becoming important because of proliferation of MEMS sensors into consumer/commercial/industrial applications):
 - o Inertial Systems (7A003 header, 7A003.a)
 - o Inertial Measurement Equipment (7A003 c, d)

- o Inertial Navigation Systems (INS) (7A003.d)
- o Inertial Reference Systems (IRS) (note 2)
- o Inertial Measurement Units (IMU) (7A003.d)
- o Navigation equipment (7A103)
- o Inertial navigation equipment (7A103).

HUD - Mr. Don Stevenson provided a status on the HUD TWG

The 2010 WA December Plenary session has approved the removal of the HUD 7.E.4 technology control - it now reads:

- 7.E.4. Other "technology" as follows:
 - a. "Technology" for the "development" or "production" of any of the following:
 - 3. Three dimensional displays for "aircraft";

The EAR Update/FR Notice is in work

The 2010 U.S. proposal does not cover 7D3- it wasn't identified in the discussions, so we drafted a new U.S. proposal for consideration for 2011.

- 7.D.3. Other "software" as follows:
 - d. "Source code" for the "development" of any of the following:
 - 7. Three dimensional displays;

Submitted proposal to BIS on 8/6 and 10/26/10

AFCS - Mr. Don Stevenson provided a status on the AFCS TWG

TWG has started drafting a white paper

Similar to FADEC approach

Current exercise is to identify subset of attributes or technologies that are non-military and are considered to be "crown jewels"

FADEC - Mr. Don Stevenson provided a status on the FADEC TWG

The 2010 WA December Plenary session has approved the updated FADEC SW control text - it now reads:

9.D.3. "Software" incorporating "technology" specified by 9.E.3.h. and used in "FADEC Systems" for propulsion systems specified by 9.A. or equipment specified by 9.B.

The EAR Update/FR Notice is in work

The TWG met last month (January 2011) to share an updated LOE template and discuss industry experience in adapting to the new 9E003.h control text.

Category 9

Hole Drilling - Mr. Don Stevenson provided a status on the Hole Drilling TWG

TWG industry members have all submitted hole drilling data in response to a request from Riz Ramakdawala (DTSA). The results of this effort have not yet been reviewed – Hoping to use data to define new temperature threshold for Combustors

The TWG is also working with BIS on a definition of "thermally decoupled liners"

Composite Working Group

Ms. Kim DePew began the discussion on the Composite working group activities.

The TWG has been busy responding to various Federal Register notices on Tiering of ECCNs and what should be eligible for STA exceptions.

Just before Christmas they submitted a request for AO and got it back 2 days after Christmas. The AO confirmed the TWG's white paper which defined "required" composite technologies controlled under 1E1. They are working on a plan to publish the AO.

They have been working on an MCTR proposal for ECCN 1C210, and have been working on responses to 4 other proposals.

Proposals/Comments from the public

Mr. Bill Root discussed his detailed responses to the 4 recent Federal Register notices related to Export Reform. The responses have been provided as public comments as noted in the FR notices.

The session adjourned at 10:45 a.m.

Attendees

February 10, 2011 TransTAC

NAME	ORGANIZATION
Donald Stevenson TransTAC Industry Member, Chair	Honeywell International, Inc.
Michael Osborne TransTAC Industry Member	Honeywell International, Inc.
Michael Gries TransTAC Industry Member	Rockwell Collins
Scott Pelton TransTAC Industry Member	Boeing Commercial
Kim DePew TransTAC Industry Member	General Electric Aviation
Howard Pfeifer TransTAC Industry Member	Hamilton Sundstrand
Charles Volk TransTAC Industry Member	Northrop Grumman
Ari Novis TransTAC Industry Member	Pratt & Whitney
Jim Downs	Florida Turbine Technologies, Inc.

TransTAC Industry Member (by phone)	
Joseph Brostmeyer TransTAC Industry Member	Florida Turbine Technologies, Inc.
Ken Lyons TransTAC Industry Member	Airbus Americas
Dean Johnson TransTAC Industry Member	Systron Donner Inertial
Gene Christiansen TransTAC Designated Federal Official	DOC / BIS
Amanda Simpson	DOC / BIS
Dan Squire	DOC / BIS
Bill Root	Consultant
Sam Gilston	Export Practitioner
Greg Tarr	DOS
John Albert	DOS
Art Kron	DOD / DTSA
Elizabeth Parker	Broker Power
Sherif Ali (by phone)	GE Aviation
Mike Gulliver (by phone)	GE Aviation