

**Transportation and Related Equipment Technical Advisory Committee
(TransTAC)**

May 5, 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. Charles Volk, Mr. Ken Lyons, Mr. Joe Bergeron, and Mr. Jim Downs. (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 9:30 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 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

Wassenaar Non-Paper initiated to address expected application of MEMS gyros and accelerometers in consumer electronics

Export controls prevent sale for use in consumer electronics

If consumer market drives higher performance than control level, expect sourcing of sensors outside regime countries

Continuing discussion regarding use of the term “repeatability” when used with bias and scale factor since this does not necessarily define accuracy when used in guidance and navigation systems.

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

Exploring industry committee / standards definitions

Consolidating terms would eliminate holes and reduce confusion

Currently all the following are used in 7A003/7A103

Inertial Systems

Inertial Measurement Units

Inertial Measurement Equipment
Navigation Equipment
Inertial Navigation System
Inertial Navigation Equipment
Inertial Reference Systems
Inertial Equipment
Data based Referenced Navigation Systems
Hybrid Navigation Systems

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.

A 2011 U.S. proposal to decontrol HUD SW was submitted to the WA:

7.D.3. Other "software" as follows:

- d. "Source code" for the "development" of any of the following:
 7. Three dimensional displays;

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

TWG is drafting a white paper

Similar to FADEC approach

We identified a subset of attributes or technologies that are non-military and “crown jewels”

There is much disagreement as to whether any of these should be the subject of a dual use WA control.

We are working on a new definition of “active flight control system”

A go forward path is not yet evident.

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.

TWG is currently drafting guidance on FADEC “models”.

Category 9

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

A 2011 U.S. proposal to modify 9.e.3.a.2 and 9.e.3.c was submitted to the WA.

Will be the subject of discussion during summer EG sessions.

a.4/a.5 Temperatures - Ms. Kim DePew began the discussion on the a.4/a.5 working group activities.

The team had met the week before this TransTAC meeting. Discussing use of terms "Exposed To" versus "Designed For". At this point, just trying to get the discussion started.

The team will be meeting weekly leading up to the Summer Session EG meetings in order to prepare the U.S. delegation for side discussions on this topic.

Composite Working Group

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

The team had been working on an NSG 1.c.2.10/2.c.7 proposals.

With respect to the General Technology Note - team is working on a white paper on what technology is controlled and what is not controlled as they relate to 1.c.10 and 1.a.2.

They are also working up a follow up CCATS to help us understand controls on "Design" definition - they have been working this issue for 5 years.

Also looking at BMI controls and other aspects of 1.c.8.

Carbon Nanotubes CCATS is also being worked as well as a white paper on the concept of recycling.

They may reduce their meeting frequency to just once a month - they have been meeting every 2 weeks for 5 years.

Proposals/Comments from the public

Mr. Bill Root shared his thoughts on a recent FR notice for "editorial corrections". He also mentioned the differences between "or" and "and" and noted that historically these terms were not used as precisely as they are today.

Ms. Janelle Gamble asked for an update on Export Reform. Mr. Gene Christiansen expects that the 2010 Wassenaar Arrangement changes should be implemented soon via a Federal Register Notice.

Mr. Bill Root then observed that the work on "Specially Designed" definition should have preceded all the other export reform efforts.

The session adjourned at 10:02 a.m.

Attendees

May 5, 2011 TransTAC

NAME	ORGANIZATION
Donald Stevenson TransTAC Industry Member, Chair	Honeywell International, Inc.
Michael Osborne	Honeywell International, Inc.

TransTAC Industry Member	
Michael Gries TransTAC Industry Member	Rockwell Collins
Joe Bergeron TransTAC Industry Member	Analog Devices
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 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
Edward Krauland (by phone)	Steptoe & Johnson
Art Kron	DOD/ DTSA
Rizwan Ramakdawala	DOD/DTSA

Janelle Gamble	Boeing
Brent Baustian	Rockwell Collins