

agenda



**Federal Aviation
Administration**

Commercial Space Transportation Advisory Committee

National Transportation Safety Board Conference Center

429 L'Enfant Plaza SW, Washington, DC 20594

September 17, 2014 8:30 a.m. – 5:00 p.m.

8:30 a.m. - 8:35 a.m.	Welcome/Opening Remarks by the Chairman	Mr. Michael Gold , Chairman
8:35 a.m. - 9:00 a.m.	DARPA Space Update	Ms. Pamela Melroy Deputy Director, Tactical Technology Office, DARPA
9:00 a.m. – 9:30 a.m.	Key Issues Facing AST and Industry	Dr. George C. Nield Associate Administrator for Commercial Space Transportation, FAA
9:30 a.m. – 9:50 a.m.	NASA Space Technology Mission Directorate	Dr. Michael Gazarik , Associate Administrator, STMD, NASA
9:50 a.m. – 10:20 a.m.	NASA Commercial Crew Program Update	Ms. Kathryn Lueders Program Manager, Commercial Crew Program, NASA
10:20 a.m. - 10:30 a.m.	Break	
10:30 a.m. - 11:15 a.m.	Implications of International Agreements to U.S. Commercial Space Transportation	Mr. Kenneth Hodgkins Director, Office of Space and Advanced Technology, Department of State
11:15 a.m. - 12:00 p.m.	Congressional Perspective on Export Controls and the Role of Commercial Space in the Intelligence and Defense Communities	The Honorable C.A. Dutch Ruppersberger Ranking Member, House Permanent Select Committee on Intelligence
12:00 p.m. - 1:00 p.m.	Lunch Break	

agenda

1:00 p.m. – 1:30 p.m.	Congressional Perspective on Commercial Space Launch Act, ASTEROIDS Act, and NASA Reauthorization	The Honorable Lamar Smith Chairman, Committee on Science, Space, and Technology, U.S. House of Representatives
1:30 p.m. - 2:15 p.m.	Operations Working Group Report	Ms. Janet C. Karika , Chair
2:15 p.m. - 2:45 p.m.	Business/Legal Working Group Report	Mr. Chris Kunstadter , Chair
2:45 p.m. – 3:00 p.m.	Break	
3:00 p.m. - 3:30 p.m.	Systems Working Group Report	Mr. Livingston Holder , Chair
3:30 p.m. - 4:00 p.m.	International Space Policy Working Group Report	Dr. Mark Sundahl , Chair
4:00 p.m. - 4:30 p.m.	New Business	Mr. Michael Gold , Chairman
4:30 p.m. - 4:45 p.m.	Public Comments	Mr. Michael Gold , Chairman
4:45 p.m. – 5:00 p.m.	Wrap-up and Adjournment	Mr. Michael Gold , Chairman

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International Space Policy Working Group

8:00 a.m. - 8:20 a.m.	ISO Standards	Mr. Oscar Garcia , COMSTAC Member Mr. Paul Wilde , FAA AST Mr. James Rentsch , Chair ISO TC 20
8:20 a.m. – 8:45 a.m.	Export Controls	Mr. Kevin J. Wolf , Assistant Secretary of Commerce for Export Administration, Department of Commerce, Bureau of Industry and Security
8:45 a.m. - 9:10 a.m.	Foreign Procurement and DOC Space Industry “Deep Dive”	Mr. Christopher Nelson , Bureau of Industry and Security, Department of Commerce
9:10 a.m. – 9:25 a.m.	FAA AST International Outreach Update	Mr. John Sloan , FAA AST
9:25 a.m. - 9:45 a.m.	Suborbital Human Spaceflight in Italy	Mr. Benedetto Marasà , Deputy Director General, Ente Nazionale Aviazione Civile (ENAC)
9:45 a.m. - 10:00 a.m.	IAASS Human Spaceflight Standards Review	Mr. Mark Sundahl , ISPWG Chair

**New Business, Wrap up, Observations, Findings
and Recommendations**

agenda

Business/Legal Working Group

10:00 a.m. – 10:30 a.m.	Outer Space Treaty And Mission License Concept Discussion	Mr. Christopher Kunstadter , B/LWG Chair Mr. Brian Israel , Attorney-Adviser, Office of the Legal Advisor, Department of State Michael Gold , Chair, COMSTAC
10:30 a.m. – 11:00 a.m.	ASTERIOD Act and related issues	Ms. Athina Balta , Attorney Mr. Peter Marquez , Vice President, Global Engagement, Planetary Resources
11:00 a.m. – 11:15 a.m.	DARPA - Robotic On-orbit Servicing Capability with Commercial Transition RFI	Dr. Gordon Roesler , Program Manager, Tactical Technology Office, DARPA
11:15 a.m. – 11:30 a.m.	Center for the Advancement of Science in Space (CASIS) – Business Case for LEO Operations	Mr. Duane Ratliff , Chief Operating Office, CASIS
11:30 a.m. - Noon	New Business, Observations, Findings and Recommendations	Mr. Christopher Kunstadter , B/LWG Chair
Noon – 1:00 p.m.	Lunch Break	

Systems Working Group

1:00 p.m. – 1:10 p.m.	Welcome and Introductions	Mr. Livingston Holder , SWG Chair
1:10 p.m. – 1:40 p.m.	XS-1 Overview, Technology, and Application to Commercial Space Transportation	Mr. Jess Sponable , XS-1 Program Manager, DARPA
1:40 p.m. - 2:10 p.m.	Masten Space Systems: XS-1 Challenges and Opportunities	Mr. Dennis Poulos , XS-1 Program Manager, Masten Space Systems

agenda

2:10 p.m. - 2:40 p.m.	Northrop Grumman: XS-1 and the Future Space Enterprise	Mr. Doug Young , VP Missile Defense and Advanced Missions, Northrop Grumman Corp.
2:40 p.m. – 3:00 p.m.	New Business, Observations, Findings and Recommendations	Mr. Livingston Holder , SWG Chair

Operations Working Group

3:00 p.m. – 3:15 p.m.	Introduction and Review of Previous OWG Meeting	Ms. Janet Karika , OWG Chair
3:15 p.m. – 3:40 p.m.	USAF Current Launch Schedule Review Board (CLSRB)	TSgt Wilson Lugo , USAF Manager, Launch Services Office, HQ AFSPC
3:40 p.m. - 4:00 p.m.	Proposed Spaceport Guide	Mr. Robert C. Consolo , Embry-Riddle Aeronautical University
4:00 p.m. – 4:15 p.m.	Recommended Practices for Human Space Flight Occupant Safety	Mr. Randy Repcheck , FAA AST
4:15 p.m. – 4:45 p.m.	Proposed Initial Commercial Spaceflight Standards	Ms. Janet Karika , OWG Chair
4:45 p.m. - 5:00 p.m.	New Business, Observations, Findings and Recommendations	Ms. Janet Karika , OWG Chair