



Commercial Space Transportation Advisory Committee

National Transportation Safety Board Conference Center

429 L'Enfant Plaza SW, Washington, DC 20594

Thursday, May 8, 2014

8:30 a.m. – 4:00 p.m.

Meeting Agenda

Time	Event	Speaker
8:30 a.m. – 8:40 a.m.	<i>Welcome/Opening Remarks by the Chairman</i>	Michael N. Gold Bigelow Aerospace
8:40 a.m. – 9:10 a.m.	<i>Key Issues Facing AST and Industry</i>	Dr. George C. Nield Associate Administrator for Commercial Space Transportation
9:10 a.m. – 9:30 a.m.	<i>Space Integration</i>	Dr. Michael Romanowski Director of Space Integration Office of Commercial Space Transportation
9:30 a.m. – 10:00 a.m.	<i>NASA/FAA Human Spaceflight</i>	Mr. Bill Gerstenmaier NASA Associate Administrator Human Exploration & Operations
10:00 a.m. – 10:30 a.m.	<i>Remarks</i>	Mr. Jason Crusan Director, NASA Advanced Exploration Systems Division
10:30 a.m. – 11:00 a.m.	<i>OMB Perspective</i>	Mr. Paul Shawcross OMB Chief of Science and Space Branch
11:00 a.m. – 11:15 a.m.	<i>FCC Licensing and Commercial Space Operations</i>	Mr. Karl Kensinger Deputy Chief, Satellite Division, International Bureau, Federal Communications Commission
11:15 a.m. – 11:30 a.m.	<i>Overview of the USAF RD-180 Alternate Engine Study</i>	Dr. Michael Griffin Deputy Chair, RD-180 Study Group/President, American Institute of Aeronautics and Astronautics

11:45 a.m. – 1:00 p.m.	Lunch	
1:00 p.m. – 1:30 p.m.	<i>Operations Working Group Report</i>	Janet C. Karika Chair
1:30 p.m. – 2:00 p.m.	<i>Business/Legal Working Group Report</i>	Chris Kunstadter Chair
2:00 p.m. – 2:20 p.m.	<i>Legislative Update</i>	Mr. Robert La Branche Senior Legislative Assistant to Congressman Culberson
2:20 p.m. – 2:50 p.m.	<i>Systems Working Group Report</i>	Livingston Holder Chair
2:50 p.m. – 3:20 p.m.	<i>International Space Policy Working Group Report</i>	Dr. Mark Sundahl Chair
3:20 p.m. – 3:30 p.m.	<i>New Business</i>	Mike Gold
3:30 p.m. – 3:40 p.m.	<i>Public Comment</i>	Mike Gold
3:40 p.m. – 4:00 p.m.	<i>Wrap-Up and Adjournment</i>	Mike Gold
4:00 p.m.	<i>Administrative Closed Session</i>	

COMSTAC Working Group Meeting Agendas Wednesday, May 7, 2014

International Space Policy Working Group 8:00 – 10:00 a.m.

Dr. Mark Sundahl, Chair

- 8:00 – 8:05 Summary of Recent ISPWG Activities**
- Mark J. Sundahl, Chair
 - Jennifer Warren, Vice-Chair
- 8:05 – 8:25 ISO Standards for Space Systems and Operations**
- Oscar Garcia, COMSTAC Member
 - Kelvin Coleman, FAA AST
 - Frederick Slane, Chair ISO TAG TC 20/SC 14 (via Skype)
 - James Rentsch, Chair ISO TC 20
- 8:25 – 8:50 European Regulation of Human Spaceflight**
- Alexander Soucek, International and European Law Services Division, European Space Agency (via Skype)
- 8:50 – 9:10 FAA AST International Outreach Update**
- John Sloan, FAA AST
- 9:10 – 9:35 Property Rights and Natural Resources on Celestial Bodies**
- Dr. Tanja Masson-Zwaan, President, International Institute of Space Law (via Skype)
- 9:35 – 10:00 ISPWG Observations, Findings and Recommendations**
- Mark J. Sundahl, Chair
 - Jennifer Warren, Vice-Chair

Business/Legal Working Group 10:00 a.m. – 12:00 noon

Chris Kunstadter, Chair

- GSO & NGSO Forecasts
- Termination Liability
- Coexistence of Experimental Permits and Launch Licenses
- Cross-waivers
- Include spaceflight participants in third-party indemnification

Systems Working Group 1:00 p.m. – 3:00 p.m.

Livingston Holder, Chair

- 1:00 – 1:10 Welcome and Introductions
 - Charles Precourt, Vice-Chair
- 1:10 – 1:30 STAR Database / Lessons Learned Database Update
 - Mary Carolyn Thies Becker, Senior Statistician, FAA AST
- 1:30 – 2:00 Center of Excellence, Commercial Space Transportation Update
 - Ken Davidian, Program Manager COE CST
- 2:00 – 2:30 International Association for the Advancement of Space Safety (IAASS)
Suborbital Safety Guidelines Status
 - Chuck Lauer, VP Business Development, Rocketplane Global
- 2:30 – 3:00 New Business, Wrap Up and SWG Observations, Findings and Recommendations
 - Charles Precourt, Vice-Chair

Operations Working Group 3:00 p.m. – 5:00 p.m.

Janet C. Karika, Chair

- 3:00 – 3:10 Introductions, Operations Working Group revised portfolio, Agenda review
 - Janet Karika, Chair
- 3:10 – 3:30 Follow-up briefing on AFSPC study: Capability-Based Assessment (CBA) for the Ranges
U. S. Air Force (Invited)
- 3:30 – 3:50 FY13 Legislative Action Update: AQSL Update on the DOD Proposal to Enhance
Commercial Interactions at Federal Ranges, Commercial Space Launch Commercial
Cooperation (CSLC) Act – **U. S. Air Force (Invited)**
- 3:50 – 4:10 Suborbital Commercial Spaceflight Crewmember Medical Issues report update
 - Dr. Mark Campbell, M.D.
- 4:10 – 4:30 Wrap up/Prepare summary to submit to full COMSTAC meeting
 - Janet Karika, Chair
- 4:30 – 5:00 Closed housekeeping session on use of the STAR database (COMSTAC members only)
 - MaryCarolyn Thies, FAA AST