



Federal Aviation Administration

Commercial Space Transportation Advisory Committee Public Meeting

National Housing Center, 1201 15th Street, NW, Washington, DC 20005

October 10, 2012

8:30 a.m. – 2:15 p.m.

Preliminary Meeting Agenda (Full Committee)

8:30 a.m. – 8:40 a.m.	<i>Welcome/Opening Remarks</i>	Will Trafton, COMSTAC Chair Will Trafton and Associates, LLC
8:40 a.m. – 9:00 a.m.	<i>Key Issues Facing AST and Industry</i>	Dr. George C. Nield FAA Associate Administrator for Commercial Space Transportation
9:00 a.m. – 9:45 a.m.	<i>Speaker</i>	Ed Feddeman Staff Director, House Subcommittee on Space and Aeronautics
9:45 a.m. – 10:15 a.m.	<i>Operations Working Group Report</i>	Debra Facktor Lepore, Chair DFL Space LLC
10:15 a.m. – 10:45 a.m.	<i>Business/Legal Working Group Report</i>	Christopher Kunstadter, Co-Chair, XL Insurance Janet Sadler, Co-Chair, Chartis Insurance UK Limited
10:45 a.m. – 11:00 a.m.	Break	
11:00 a.m. – 11:30 a.m.	<i>Systems Working Group Report</i>	Livingston Holder, Chair Holder Aerospace
11:30 a.m. – 12:00 noon	<i>Export Control Working Group Report</i>	Mike Gold, Chair Bigelow Aerospace
12:00 noon – 1:00 p.m.	Lunch	
1:00 p.m. – 1:30 p.m.	<i>New Business</i>	Mr. Trafton
1:30 p.m. – 2:00 p.m.	<i>Public Comment</i>	Mr. Trafton
2:00 p.m. – 2:10 p.m.	<i>Wrap-Up and Adjournment</i>	Mr. Trafton
2:10 p.m. – 2:45 p.m.	<i>Closed Session (Tentative)</i>	

Preliminary Working Group Meeting Agendas

October 9, 2012 / 8:00 a.m. – 5:00 p.m.

Operations Working Group 8:00 – 10:00 a.m.

Debra Facktor Lepore, Chair

8:00 am	Welcome and Introductions	All
8:05 am	Expectations for the Meeting <ul style="list-style-type: none"> - Observation: passive, no response required by FAA/AST - Finding: semi-active, response only if FAA/AST deems appropriate - Recommendation: response by FAA/AST required 	Debra Facktor Lepore, OWG Chair
8:06 am	Review of October 2011 Actions & Input to FAA/AST <ul style="list-style-type: none"> - Response from FAA/AST on May 2012 OWG Observations, Findings, Recommendations 	Debra Facktor Lepore
8:10 am	On-Orbit Authority for FAA/AST: Discussion and Working Group Formed <i>Input from FAA/AST on Background/Rationale of this topic</i> <ul style="list-style-type: none"> - Paul Eckert, Industry Liaison, External Relations <i>Report from Working Group</i> <i>Discussion & Actions</i> (Topic covers the risks for on-orbit space transportation: Is there a gap in regulatory authority, Is there a need for dialogue on how to fill this gap.)	Working Group: Tim Hughes, Brett Alexander, Jeff Greason, Billie Reed, Chris Kundstadter, Oscar Garcia, Brad Cheetham, Aaron Oesterle, Diane Howard, Richard Rankin, Mary Lynne Dittmar
8:30 am	Commercial Spaceport Survey Results & Next Steps <ul style="list-style-type: none"> - Survey results on spaceport licensing processes - Review of final report and recommendations to COMSTAC - Goal to finalize report in November 	Oscar Garcia, InterFlight Global; Brian Gulliver, RS&H; Jeff Greason, XCOR
8:50 am	Update on International Developments in Space Operations: Report from Activities at International Astronautical Congress (IAC) in Naples, Italy <i>Update: Long-Term Sustainability of Space (A United Nations COPOUS Activity)</i> <i>An AST International perspective and Group B (Orbital Debris) Report</i> <i>Group D Report:</i> <i>Discussion</i>	Dick Buenneke, State Department John Sloan, FAA/AST Rachel Yates, Holland & Hart, COMSTAC representative
9:10 am	Update on DOD Proposal to Enhance Commercial Interactions at Federal Ranges: Proposal for Commercial Space Launch Cooperation Act: Update	Maj Jim Horne, Directorate of Space Acquisition, Launch and Range Program Element Monitor, SAF/AQSL
9:20 am	NEW TOPIC - “Launch Vehicle International Standards and Best Practices” (Report on ISO Standards Proposals offered by China) Background: China has proposed at least three launch vehicle related international standards to ISO, for determining and communicating post deployment trajectories of multiple payloads deployed from the same launch vehicle. Others are close to approval for launch vehicle failure mode analysis and booster burnout state. These are proposed by the China Advanced Launch Vehicles Technology Institute (CALT).	Fred Slane, Executive Director, Space Infrastructure Foundation, and head of US Delegation to ISO

	<ul style="list-style-type: none"> - Discussion of Role for COMSTAC and FAA/AST - Formation of Working Group 	
9:35 am	Special Presentation: Body of Knowledge for Commercial Spaceport Practices	Herb Bachner, on behalf of the FAA/AST Center of Excellence research team
9:45 am	Special Presentation: Fast Forward Project Background: The FastForward Project is an ad-hoc industry study group focused on issues related to future, global, high-speed Point-to-Point transportation. This activity may be of interest to COMSTAC and OWG members.	John Olds and Dominic DePasquale
9:50 am	Ongoing Topics of Interest, New Business and Open Discussion <ul style="list-style-type: none"> - Resulting from FAA/AST Priorities to COMSTAC - Other Topics of Interest - Telecon Schedules 	All
9:55 am	Wrap Up / Prepare Summary to submit to full COMSTAC meeting (Oct 10, 2012) <ul style="list-style-type: none"> - Observation: passive, no response required by FAA/AST - Finding: semi-active, response only if FAA/AST deems appropriate - Recommendation: response by FAA/AST required 	All
10:00 am	Adjourn	

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

Chris Kunstadter and Janet Sadler, Co-chairs

From	To	Min	Topic	Presenter
10:00	10:05	0:05	Introductions	Chris Kunstadter, XL Insurance
10:05	10:10	0:10	COMSTAC GSO Forecast 2012 <i>Commercial Space Transportation Forecasts</i> , May 2012) is available here: http://1.usa.gov/PLHofU	Chris Kunstadter
10:10	10:15	0:05	CSLA indemnification extension update	Greg Rasnake, FAA/AST
10:15	10:30	0:15	FAA/NASA insurance task update	Pam Underwood, FAA/AST
10:30	10:45	0:15	Limitation of liability for spaceflight participants	Pam Melroy, FAA/AST
10:45	11:45	0:60	GAO report on FAA/AST MPL methodology	Randy Repcheck, FAA/AST
11:45	12:00	0:15	New business	Chris Kunstadter,

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

Livingston Holder, Chair

Scheduled Time	Topic	Presenter
1:00 – 1:10 (10 minutes)	Welcome and Introductions	Charles Precourt, ATK Launch Systems, Acting Chair
1:10 – 1:30 (20 minutes)	Human Spaceflight Requirements Activities – Update	Pam Melroy, Acting Deputy Associate Administrator, FAA/AST
1:30 – 1:50 (20 minutes)	Integration of Commercial Space Launch and Reentry Operations into the National Airspace System - Update	Dan Murray, FAA/AST Representative from FAA/ATO
1:50 – 2:10 (20 minutes)	Lessons Learned Database – Update	Mike Kelly, Chief Engineer, FAA/AST
2:10 – 2:40 (20 minutes)	Assessment of Commercial Suborbital Market – Final Report	Carissa Christensen, Managing Partner, The Tauri Group
2:40 – 3:00 (20 minutes)	SWG Observations, Findings and Recommendations	Charles Precourt, Acting Chair

Export Control Working Group 3:00 – 5:00 p.m.

Mike Gold, Chair

After more than a decade of struggle and failed efforts, we are on the verge of commercial space-related export control reform legislation being adopted by Congress as part of the FY 2013 National Defense Authorization Act (“NDAA”). During our upcoming meeting on Tuesday, October 9th, at 3 pm, the Export Controls Working Group (“ECWG”) will explore the nature of the changes that are likely to be made via the NDAA, how existing legislative language may be improved, and what the export control reform landscape will look like moving forward. We will begin with a panel discussion comprised of officials who are working on this issue in real-time and will provide the Working Group with perspectives from the Obama Administration, Congress, and industry. Specifically, we will be hearing from:

Eric Hirschhorn, Under Secretary, U.S. Commerce Department Bureau of Industry and Security (confirmed)
 Tom Moore, Senior Professional Staff Member, Senate Foreign Relations Committee (confirmed)
 David Fite, Senior Professional Staff Member, House Foreign Affairs Committee (invited)
 Patricia Cooper, President, Satellite Industry Association (confirmed)

After remarks and a Q&A with these speakers, a discussion of potential findings by the ECWG will follow. Again, the officials who will be addressing the COMSTAC are currently working on export control reform

language that will in all likelihood soon become law, and we hope all COMSTAC members will join us for what is sure to be an informative, important and lively session. If anyone has questions or requires additional information please feel free to contact Mike Gold at mgold@bigelow aerospace.com.