

Meeting Summary



Federal Aviation Administration

Commercial Space Transportation Advisory Committee (COMSTAC) Meeting
Marx Media Center Auditorium, Department of Transportation Headquarters
1200 New Jersey Ave S.E., Washington, D.C., 20591
October 31, 2018
9:30 a.m. – 5:00 p.m.

List of those Present at the Meeting

- Committee Members:

Mr. Bretton S. Alexander

Vice President, Govt Sales and Strategy
Blue Origin, LLC

Major General James Armor, USAF (Ret)

Vice President, Government Services
Northrup Grumman

Mr. Greg Autry

Asst. Professor, Clinical Entrepreneurship
University of Southern California

Mr. Richard DalBello

Vice President, Business Development &
Government Affairs
Virgin Orbit

Mr. Paul E. Dampousse

Senior Director, Business Development
SES Government Solutions

Dr. Mary Lynne Dittmar

President & CEO
The Coalition for Deep Space Exploration

Ms. Debra Facktor

Vice President and General Manager, Strategic Operations
Ball Aerospace

Mr. Oscar Garcia

Chairman and CEO
Interflight Global Corporation

Mr. Mike N. Gold

Vice President, Regulatory and Policy
Maxar Technologies

Mr. Christopher C. Hassler

President & CEO
Syndetics Inc.

Mr. Livingston L. Holder, Jr.

Partner and Managing Member
Holder Aerospace

Mr. Timothy Hughes

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Senior Vice President for Global Business & Government Affairs
SpaceX

Ms. Janet C. Karika
Managing Member
Karika Consulting, LLC

Mr. David K. Karnes
Of Counsel
Kutak Rock, LLP
(Former U.S. Senator from Nebraska)

Mr. Christopher Kunstadter
Head of Space
XL Insurance America, AXA XL

Mr. Steven Lindsey
Senior Director, Space Exploration Systems
Sierra Nevada Corporation

Mr. Michael Lopez-Alegria
Principal
MLA Space, LLC

Mr. Brigham McCown (on the phone)
Chairman & CEO
Alliance for Innovation & Infrastructure

Ms. Sharon L. Pinkerton
Senior Vice President for Legislative and Regulatory Policy
Airlines for America

Ms. Robbie Sabathier
Vice President, Washington Operations
United Launch Alliance

Mr. Eric Stallmer
President
Commercial Spaceflight Federation

Ms. Charity Weeden
President and Co-Founder
Lquinox Consulting, LLC

- Committee Staff:

Ms. Dorothy Reimold
DFO/Executive Director of COMSTAC
Acting Deputy Associate Administrator
Commercial Space Transportation, FAA

Mr. Thomas Marotta
COMSTAC Coordinator

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- Agency Employees:

Secretary Elaine L. Chao
Department of Transportation

Mr. Dan Elwell
Acting FAA Administrator

Mr. Kelvin Coleman
Acting Associate Administrator
Commercial Space Transportation, FAA

- Members of the public who presented oral or written statements:

Bob Seibold, Aerospace Corporation; Audrey Powers, Blue Origin; James Muncy, Polispac, and Jane Kinney, CSF.

Description of each matter discussed and conclusions reached:

- During the introductory remarks Chairman Gold welcomed a new COMSTAC member, Dr. Mary Lynne Dittmar of the Coalition for Deep Space Exploration.
- Jared Stout, Chief of Staff for the National Space Council, gave a status update on National Space Council (NSpC) activities. In response to several questions he:
 - o Said the NSpC looks forward to the Users Advisory Group's (UAG) observations and recommendations.
 - o Recommended Adm. Ellis, chair of UAG, address COMSTAC.
 - o Said he sees NSpC policy implementation, especially for space traffic management and launch/reentry regs, as a form of American leadership on the international stage.
- Jason Crusan, Director of Advanced Exploration Systems for NASA's Human Exploration and Operations Mission Directorate, gave a status update on NASA's plans to return to the Moon and to deploy the Lunar Gateway (*see* associated slide deck in the Oct 2018 Meeting archive on the COMSTAC website). In response to several questions he:
 - o Said NASA HEO is trying to meet its mission using more commercial procurements.
 - o Said NASA HEO is still waiting for industry feedback on a commercial path to get astronaut "boots on the Moon" including cost data.
- Di Reimold, COMSTAC Exec Director gave an update on the three ARCs: streamlined launch and reentry (SLR2), airspace access, and spaceport categorization.
 - o Airspace access and spaceports categorization ARCs are working towards final reports delivered by end of CY2018.
 - o As a result of repeated requests from industry, Di Reimold agreed to explore if and how FAA might provide feedback to industry's feedback on the SLR2 ARC report.
 - o In response to a question from the Committee, Di Reimold promised to describe how NPRM comments and commenting periods are managed.



- Kelvin Coleman, Acting Assoc. Admin. for Commercial Space Transportation, in his speech reported that DOT/FAA/AST is on track to meet the 1 Feb 2019 deadline for publication of the NPRM for the streamlined launch and reentry rule.
- Elaine L. Chao, Secretary of the Department of Transportation lauded the “rocket renaissance” in the United States and summarized the numerous ways DOT is facilitating the U.S. commercial spaceflight industry.
- In the afternoon the working groups discussed the draft Observations, Findings, and Recommendations. You may see the finalized OFRs on the COMSTAC website [here](#).

Day Two: November 1, 2018
9:00 am – 3:30 pm

Description of each matter discussed and conclusions reached:

- Dan Elwell, Acting FAA Administrator applauded the achievements of the commercial space transportation industry and emphasized that safety must be paramount for this expanding industry.
- The COMSTAC approved the OFRs and forwarded them to Mr. Coleman for consideration.
- The COMSTAC received an overview of the FAA Rulemaking process from the Deputy Executive Director of the Office of Rulemaking, Brandon Roberts. Mr. Roberts answered numerous questions and his briefing educated the COMSTAC as to the timelines for a typical rulemaking process and how the SLR2 rulemaking process is greatly accelerated.
- In the afternoon, AST and an executive from the State Department summarized the state of international developments relevant to the commercial space industry. The meeting closed with a preview of the 2019 CST conference discussion and future tasks for the COMSTAC.