



Commercial Space Transportation Advisory Committee (COMSTAC) Meeting
“Virtual Meeting” Using the Zoom Meeting Service
June 22, 2020
8:45 a.m. – 12:00 p.m.

List of Committee Members Present at the Meeting

Major General James Armor, USAF (Ret) Director, Government Relations
Northrop Grumman
Dr. Greg Autry Vice President of Space Development National Space Society
Mr. Bill Beckman Director, NASA Programs, The Boeing Company
Hon. Shana Dale Former FAA Deputy Associate Administrator
Mr. Paul E. Damphousse Vice President of Business Development, Calspan
Holdings, LLC
Dr. Mary Lynne Dittmar President & CEO, The Coalition for Deep Space
Exploration
Ms. Karina Drees CEO and General Manager Mojave Air and Space Port,
COMSTAC Vice-Chair
Mr. Mike French Vice President, Space Systems, Aerospace Industries Association
Mr. Christopher C. Hassler President & CEO, Syndetics Inc.
Hon. David K. Karnes Of Counsel Kutak Rock, LLP (Former U.S. Senator from
Nebraska)
Mr. Dale Ketcham Vice President, Government & External Relations, Space Florida
Ms. Kate Kronmiller Vice President of Government Relations, Jacobs
Mr. Steven Lindsey Senior Vice President of Strategy and Programs, Sierra Nevada
Corporation Space Systems
Mr. Mike Moses President, Virgin Galactic
Mr. Clay Mowry Vice President, Sales, Marketing & Customer Experience Blue
Origin
Mr. Dale K. Nash CEO and Executive Director, Virginia Commercial Space Flight
Authority
Ms. Sharon L. Pinkerton Senior Vice President for Legislative and Regulatory
Policy, Airlines for America
Mr. Lee Rosen Vice President of Customer Operations and Integration, Space
Exploration Technologies
Ms. Robbie Sabathier Vice President, Government Operations and
Communications, United Launch Alliance
Mr. Eric Stallmer President, Commercial Spaceflight Federation
Ms. Charity Weeden Vice President of Global Space Policy, Astroscale U.S. Inc.,
COMSTAC Chair
Ms. Ann Zulkosky Director, Lockheed Martin Corporation

Meeting Summary



Federal Aviation Administration

Committee Staff:

Mr. James Hatt

DFO of COMSTAC

Executive Director (A), Office of Strategic Management
Office of Commercial Space Transportation, FAA

Mr. Thomas Marotta

COMSTAC Coordinator

Agency Employees:

Mr. Steve Dickson

FAA Administrator

Mr. Wayne Monteith

Associate Administrator

Commercial Space Transportation, FAA

Mr. Kelvin Coleman

Deputy Associate Administrator

Commercial Space Transportation, FAA

Ms. Pam Underwood

Director, Office of Spaceports

Commercial Space Transportation, FAA

Ms. Lirio Liu

Executive Director, Office of Operational Safety

Commercial Space Transportation, FAA

Other Attendees:

Dr. Scott Pace,

Executive Secretary of the National Space Council

Description of each matter discussed and conclusions reached:

- The meeting opened at approximately 8:45 am.
- U.S. Secretary of Transportation Elaine L. Chao provided remarks via a pre-recorded video message and declared her strong support for COMSTAC and the commercial space transportation industry. The key items in her remarks noted the safe and sustainable growth of the industry and the importance of government and industry working together.



- Deputy Associate Administrator for Commercial Space Transportation Kelvin Coleman introduced FAA Administrator Steve Dickson, who provided remarks. Similar to the Secretary's message, Administrator Dickson's comments underscored the focus that the U.S. government is putting on ensuring the safe growth of this innovative industry, particularly regarding standing up a voluntary safety reporting system.
- DFO Jim Hatt then introduced Associate Administrator for Commercial Space Transportation BGen USAF (Ret) Wayne Monteith. Associate Administrator Monteith summarized the state of the commercial space transportation industry and the efforts and plans of the Office of Commercial Space Transportation.
- DFO Jim Hatt then introduced the Chair of COMSTAC, Charity Weeden, who facilitated the introduction of each member to the public. Each member provided a brief introduction of themselves highlighting their individual experience related to space.
- After the introductions Wayne Monteith provided an overview of the recent reorganization of the Office of Commercial Space Transportation. Lirio Liu then provided an overview of the status of the Streamlined Launch and Reentry Regulations project and confirmed that FAA will deliver a new rule in the Fall of 2020. Finally for this section of the program, Pam Underwood gave an overview of the Office of Spaceports.
- DFO Jim Hatt then described the taskers FAA assigned to COMSTAC.
 - Regulatory Working Group
 - Prioritize Future Rulemaking
 - Define a "complete" application
 - International dual licensing Safety Working Group
 - Preparing for Human Spaceflight: Updates to the Section 111 of the Commercial Space Launch Competitiveness Act
 - Industry and Innovation Working Group
 - Industry input on AST's R&D priorities
 - National Spaceport Authority
 - Office of Spaceports
 - Shared Regulatory and Industry and Innovation Working Group
 - Spaceport regulatory reform
- There was a 20 minute break at approximately 10:30 am.
- At approximately 10:50 am Dr. Scott Pace provided a status update on National Space Council activities including recent Executive Orders and current policy endeavors. He answered a number of questions related to mitigating orbital



debris, facilitating the commercial space transportation industry, and hypersonic point-to-point research and development.

- After Dr. Pace, each working group (WG) chairperson summarized the progress to date of each working group:
- Dr. Greg Autry summarized that the Safety WG is investigating ways to approach the eventual regulation of occupant safety in spaceflight vehicles, creating a list of stakeholders to consult on their work, and expects to deliver a complete draft report at the next COMSTAC meeting.
- Shana Dale stated that the Regulatory WG has as its top priority the 'Prioritizing the Order of Rulemaking' task. She went on to say that the WG will reach out to numerous stakeholders to be as inclusive as possible. The Regulatory WG will have a well-scoped recommendation on this task for the next public COMSTAC meeting. The WG has also prepared an outline on the international dual licensing task and will deliver a progress report at the next meeting.
- Clay Mowry, Regulatory WG co-chair, outlined the group's approach to its other tasks: defining a complete application and spaceport regulatory reform. The Regulatory WG will share progress reports on these two topics at the next public COMSTAC meeting.
- Paul Damphousse outlined the Innovation and Infrastructure (I&I) WG's approach to its various tasks: meeting with subject matter experts, consulting with stakeholders and having preliminary recommendations ready for the next public COMSTAC meeting.
- Dr. George Nield, the only member of the public who requested to speak, delivered his remarks. He informed the meeting about the existence of the Global Spaceport Alliance's national plan for spaceport development and its details.
- COMSTAC Chair Charity Weeden delivered closing remarks and shared her vision for COMSTAC: to help develop a safe, sustainable and thriving commercial space transportation industry. Vice Chair Karina Drees then delivered her closing remarks expressing similar sentiments.
- DFO Jim Hatt adjourned the meeting at approximately 12:00 pm.