

MEETING AGENDA

Standardization and the Commercial Space Industry – Space Situational and Domain Awareness, Space Traffic Coordination and Management, and Orbital Debris Mitigation

Monday, December 7, 2020, 11:00 am – 5:00 pm Eastern

Via Webex: **Registration Required** ([Attendee Link to Register](#))

*As the national coordinator for the U.S. private-sector system of voluntary standardization, the American National Standards Institute (ANSI) has convened this informational meeting to raise awareness of relevant policy and standardization activity relating to the commercial space industry and to facilitate dialogue on coordination and participation in standards-setting. A list of **Background reading materials** provided by standards developing organizations (SDOs) and others can be found at the end of this agenda to help foster an informed discussion. All listed speakers are confirmed. [Speaker biographies](#) are provided separately.*

Time	Discussion Topic and Speaker
11:00 – 11:05 am	<p>Opening</p> <ul style="list-style-type: none"> • Jim McCabe, Senior Director, Standards Facilitation, ANSI
11:05 – 11:15 am	<p>Welcome</p> <ul style="list-style-type: none"> • Joe Bhatia, President and CEO, ANSI
11:15 – 11:35 am	<p>Keynote Address</p> <ul style="list-style-type: none"> • Col. Curtis L. Hernandez, Director, National Security Space Policy, National Space Council
11:35 am – 12:45 pm	<p>Panel 1: Government Perspectives</p> <p>Each of 3 panels will follow the same format in relation to the topic of today’s meeting. Following brief moderator/speaker opening remarks, the balance of the session will be an interactive, moderated discussion. Speakers have been asked to consider the following questions:</p> <ul style="list-style-type: none"> • What policy instruments and/or industry standards/best practices already exist to address the issue and why are they important for the growth of the commercial space industry? • What policy instruments and/or industry standards/best practices are in development? • What can be said about compliance with policy instruments and/or industry standards/best practices at this point? • What more is needed in terms of policy instruments and/or industry standards/best practices to help support the policy framework? <ul style="list-style-type: none"> • Moderator: Dr. George C. Nield, President, Commercial Space Technologies, LLC • Kevin O’Connell, Director, Office of Space Commerce, U.S. Department of Commerce • Karl Kensinger, Acting Division Chief, International Bureau Satellite Division, Federal Communications Commission • Steph Earle, Acting Deputy Division Chief, Policy and Innovation Division, Office of Commercial Space Transportation, Federal Aviation Administration • Dr. Jer Chyi “J.-C.” Liou, Chief Scientist for Orbital Debris, National Aeronautics and Space Administration

	<ul style="list-style-type: none"> • Jeff Braxton, Chief Analyst for Intradepartmental & Interagency Engagement, U.S. Space Command
12:45 – 1:30 pm	Lunch Break
1:30 – 2:40 pm	<p>Panel 2: Industry Perspectives</p> <ul style="list-style-type: none"> • Moderator: Therese Jones, Senior Director of Policy, Satellite Industry Association • Charity Weeden, Vice President, Global Space Policy, Astroscale U.S. Inc. • Dr. Brien Flewelling, Chief Space Situational Awareness Architect, ExoAnalytic Solutions • Dr. Daniel Ceperley, CEO and Co-Founder, LeoLabs, Inc. • Mike Safyan, Vice President of Launch, Planet
2:40 – 3:00 pm	Afternoon Break
3:00 – 4:10 pm	<p>Panel 3: NGO/Academic/Other Perspectives</p> <ul style="list-style-type: none"> • Moderator: Maj. Gen. Jim Armor, USAF (ret.), Founder/CEO, The Armor Group, LLC • Dan Oltrogge, Director, Center for Space Standards and Innovation (CSSI) and Integrated Operations, COMSPOC Corporation • Prof. Danielle R. Wood, Director, Space Enabled Research Group, MIT Media Lab • Dr. Ruth E. Stilwell, Executive Director, Aerospace Policy Solutions LLC • Marlon Sorge, Principal Engineer, Space Innovation Directorate, The Aerospace Corporation • Frederick A. Slane, Executive Director, Space Infrastructure Foundation
4:10 – 5:00 pm	<p>Open Discussion, Next Steps, and Wrap-Up</p> <ul style="list-style-type: none"> • Jim McCabe, ANSI, with moderators/speakers/participants <p>Questions for discussion may include:</p> <ul style="list-style-type: none"> • What are the key takeaways from today’s meeting? • What are the key standards gaps/opportunities? What is the plan for addressing those? Is work already underway or would it be new? If the latter, who would do it? • Are there points that people wish to raise that haven’t been raised in the discussion? • Is there interest in holding more of these meetings? If so, what topics would people want to see covered?

Background reading materials

- [American Institute of Aeronautics and Astronautics](#), Nick Tongson
- [ASTM International F47 Pamphlet](#), Katerina Koperna
- “[Space Sustainability Rating](#): Designing a Composite Indicator to Incentivise Satellite Operators to Pursue Long-Term Sustainability of the Space Environment,” Prof. Danielle Wood, et al.