

U.S. Standardization Center of Excellence Critical and Emerging Technologies May 2025 Standardization Workshop

May 14-15, 2025 | Washington, D.C.

Join us for the first U.S. Standardization Center of Excellence (SCoE) Critical and Emerging Technologies (CET) Standardization Workshop to help shape the future of CET standardization.

The SCoE is a transformative initiative aimed at supporting private sector-driven engagement and capacity building in the development and use of international standards.

What: The SCoE CET May 2025 Standardization Workshop will focus on engaging government, industry, academia, standards development organizations, implementing partners, and other stakeholders to share expertise and insights on the development and use of standards for CETs, challenges they are facing, and opportunities for acceleration.

Workshop objectives include:

1. Introduce SCoE’s mission of enhancing U.S. leadership in international standardization.
2. Identify standardization gaps and potential obstacles to participation within existing CETs.
3. Identify tools and resources essential to supporting U.S. engagement in international standardization.

Where: Bethesda North Marriott Hotel & Conference Center, 5701 Marinelli Road, Rockville, Maryland, USA, 20852

When: Wednesday May 14, 2025 and Thursday, May 15, 2025

Why you should attend: Hear from industry, academia, and government; provide your perspective; and help identify opportunities for CET standardization.

How to participate: Register your interest by April 15, 2025. ASTM will consider all individuals and discuss the final list with NIST for invitation

Support for this event is provided, in part, by the National Institute of Standards and Technology financial assistance award 70NANB24H334.

Proposed Agenda

Please note this agenda is intended for planning purposes only and is subject to change.

Time	Activity
DAY 1 – WEDNESDAY, MAY 14, 2025 (INVITATION ONLY)	
9:00 – 10:00	Introduction to the SCoE <ul style="list-style-type: none">• Joint presentation by National Institute of Standards and Technology (NIST) and ASTM introducing participants to the SCoE and reviewing workshop objectives and expected outcomes Invited Speakers:

Time	Activity
	<ul style="list-style-type: none"> • Shyam Sunder, NIST • Andy Kireta, ASTM
10:00 – 10:15	BREAK
10:15 – 12:00	<p>Government Perspectives on CETs and Needed Standards</p> <ul style="list-style-type: none"> • Brief presentations from government agencies focused on the development and use of standards for CETs, challenges they are facing, and opportunities for acceleration. Followed by Q&A. <p>Confirmed Speakers:</p> <ol style="list-style-type: none"> 1. Tim Klein, U.S. Department of Transportation, Office of the Assistant Secretary for Research and Technology 2. Huijuan Dai, U.S. Department of Energy 3. Sheng Lin-Gibson, NIST 4. Paul Gill, National Aeronautics and Space Administration 5. Cindy Waters, Naval Surface Warfare Center
12:00 – 1:00	LUNCH – potentially with 15-minute keynote address
1:00 – 3:00	<p>Industry Perspectives on CETs and Needed Standards</p> <ul style="list-style-type: none"> • Presentations from industry focused on their development and use of CETs, challenges they are facing, and opportunities for standardization. Followed by Q&A. <p>Confirmed Speakers:</p> <ol style="list-style-type: none"> 1. Jaydee Griffith, Alliance for Telecommunications Industry Solutions (ATIS) 2. Austin Lin, Quantum Economic Development Consortium 3. Lenora Zimmerman, Google 4. Greg Touhill, Carnegie Mellon University’s Software Engineering Institute 5. Bill Lyons, Boeing 6. Diya Wynn, Amazon
3:00 – 3:15	BREAK
3:15 – 4:30	<p>Panel Discussion: Accelerating Standardization Processes</p> <ul style="list-style-type: none"> • A panel of participants active in standards processes will share their experience and lessons learned on how to most effectively engage in standards development organizations and implementing partner activities and ideas for accelerating progress. <p>Confirmed Panelists:</p> <ol style="list-style-type: none"> 1. Roberta Nelson Shea, Universal Robotics 2. Muhammad Ali, HP 3. Marc Horner, Ansys 4. Vikas Malhotra, WOPLLI 5. Barnaby Simkin, NVIDIA

Time	Activity
4:30 – 5:00	Day 1 Recap and Next Steps
5:00	Networking Reception
DAY 2 – THURSDAY, MAY 15, 2025 (INVITATION ONLY)	
9:00 – 9:30	Welcome, Recap of Day 1, Instructions for Day 2– ASTM and Nexight Group
9:30 – 10:45	<p>BREAKOUT GROUPS: Identifying Needed Standards Activities Participants will join one of 5 breakout parallel breakout sessions. Each breakout session will discuss the following question:</p> <ul style="list-style-type: none"> • What specific standards activities are essential to accelerate progress and establish U.S. leadership in CETs?
10:45 – 11:00	BREAK
11:00 – 12:00	<p>BREAKOUT GROUPS: Identifying Needed Standards Activities (continued) Participants will continue in their breakout sessions and prepare Breakout Session Report-Outs.</p>
12:00 – 1:00	LUNCH – <i>Prepare breakout session report-outs</i>
1:00 – 2:30	<p>Breakout Session Report-Outs Each Breakout Session will share the results of their discussions with the broader group, looking for common themes, areas of divergence, and opportunities for cross-CET collaboration for improved speed and efficiency.</p>
2:30 – 2:45	BREAK
2:45 – 4:00	<p>Operationalizing the SCoE Presentation and group discussion of how participants can continue to be involved in the SCoE's activities.</p>
4:00 – 4:30	Next Steps and Closing Remarks
4:30	Adjourn