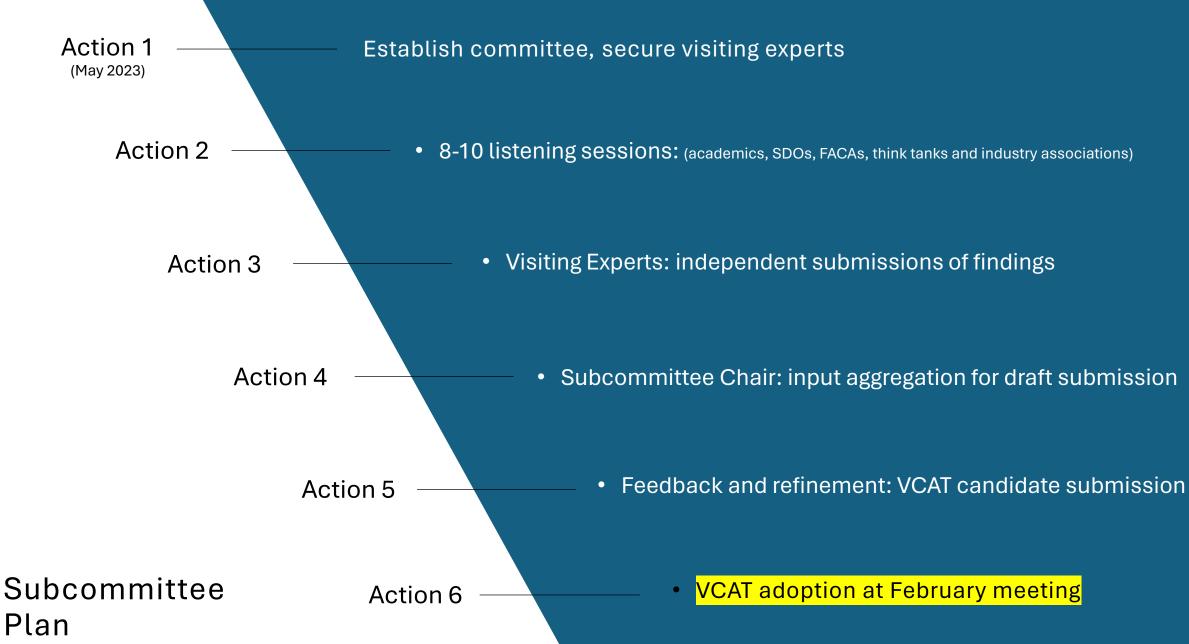
VCAT Subcommittee U.S. International Standards Development Activity

Mr. Jason Matusow Subcommittee Chair Dr. Jayne Morrow NIST Sr. Advisor for Standards Policy

Final Report February 14, 2024



Subcommittee Charter

Objective:

Develop specific recommendations for deliberation of the full VCAT that assess the opportunities to enhance NIST's engagement in, support of, and coordination policy efforts in support of international standards development activity.

Charter Directives for Consideration:

- The Barriers to U.S. participation in standards development activity, and opportunities for knowledge and resource sharing to ensure U.S. equities from the private and public sector are supported -- especially in potentially disruptive, fast-moving technology areas;
- Opportunities to increase the number of professional in CET sectors engaged in standards development activity, particularly in small and medium size enterprises (SMEs);
- Opportunities for NIST to work effectively with private-sector stakeholders to foster greater U.S. investment in pre-standardization research that is essential to standards development activity.

Designated Federal Officer (DFO) - Stephanie Shaw

Subcommittee Members & Visiting Experts

Name	Affiliation
Jason Matusow	VCAT Member - Chair (Microsoft)
Vint Cerf	VCAT Member (Google)
Monisha Ghosh	VCAT Member (Notre Dame)
Mary Saunders	ANSI and ITAC 10
Phil Wennblom	Intel and ISO/IEC JTC 1
Susan Miller	ATIS
Glenn Reynolds	ATIS - alternate
Joshua Meltzer	Brookings Institute
Tim Simcoe	Boston University
Jim Matthews	Corning and IEEE SA
Veronica Lancaster	CTA and IEC USNC

Listening Sessions

SDO: 3GPP, ANSI, ASTM, ATIS, IEEE

FACA: ITAC 6, 10, 15

Academics / Think Tanks: GUIRR, ITIF

USG: EPA, Lawrence Livermore National Lab, NIST

Associations: ITIC Standardization Policy

Consortia Counsel: Gesmer Updegrove, Biddle Law

Preliminary Findings

USSCET Feedback

Overall supportive

Overreach cautions

Consortia inclusion

OSS inclusion

US Leadership

Standards system vs. individual SSO

Protect & promote democratic principles in good governance

International community engagement

Blockers

SME challenges

Hosting challenges

Long-term executive support

Pre-Standardization

Best opportunity for proactive impact

Numerous existing efforts for collaboration

Measurement

Most essential need, least understood path forward

Outcomes-based, avoid simplistic context Workforce Development

Executive sponsorship challenge

University vs. midcareer training

Recognition and career challenges

VCAT ReportSummary Findings

Coordination:

• Develop and execute a coherent and consistent standards policy that supports U.S. leadership and competitiveness in CETs

Engagement:

Increase engagement and participation in CET standards development organizations

Capacity:

 Invest in resources and incentives to support the U.S. standards-setting ecosystem

Innovation:

• Foster a culture of innovation and excellence in standards development and implementation

VCAT Report Discussion

37 Total Recommendations:

NSSCET

- ANSI US National Strategy remains primary for industry-led system
- Inter-agency coordination and USG engagement in CET standardization
- USG leadership long-term awareness of standards

Barriers

- Analysis and awareness sharing is key
- Community notification process (SDO into NIST) would be valuable
- Hosting budget and visa challenges should be addressed

<u>Measurement</u>

Collaboration with academia and industry on outcomes-based measurement

Workforce

Public and private sector actions for enablement and capacity building

Pre-standardization

- Maximize existing and new research grants/programs to generate prestandardization inputs
- Coordinate with trading partner nations on pre-standardization inputs