## USG NATIONAL STANDARDS STRATEGY FOR CRITICAL AND EMERGING TECHNOLOGY (USG NSSCET)

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## LEADERSHIP OF STANDARDS





USG National Standards Strategy for Critical and Emerging Technology supports the development of federal standards policy to ensure continued U.S. global economy competitiveness and technology leadership

### DYNAMIC GLOBAL LANDSCAPE OF STANDARDS DEVELOPMENT





The future of U.S. innovation, competition, and national security is at risk



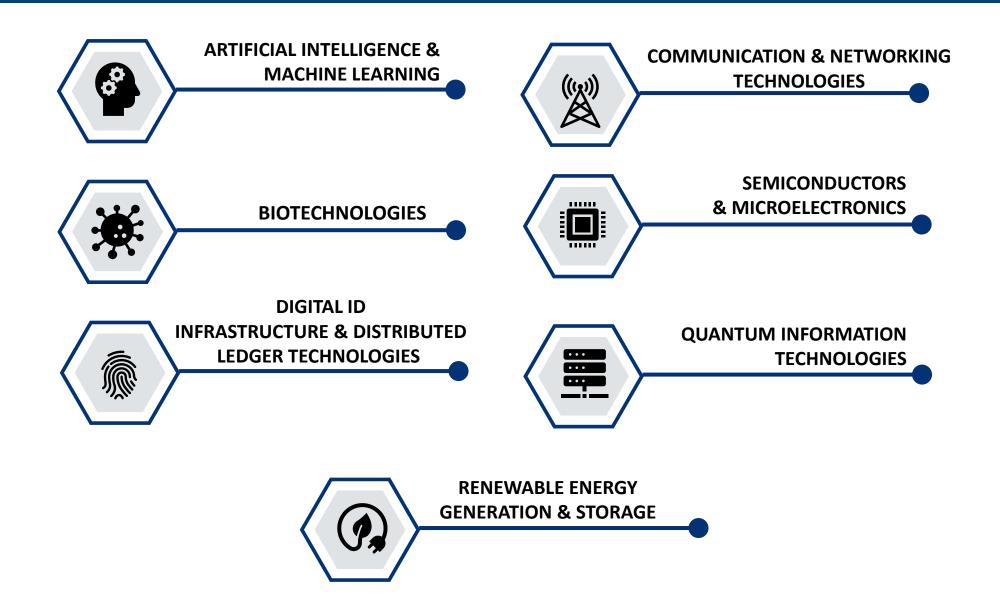
The U.S. must uphold the integrity of international standards in coordination with likeminded partners and allies



A clear vision is needed to sustain engagement in global standards-setting

# CRITICAL AND EMERGING TECHNOLOGIES IDENTIFIED IN THE USG NSSCET





## SPECIFIC CET APPLICATIONS





#### **Automated & Connected Infrastructure** Smart cities, Internet of Things, and other novel applications



**Biobanking** Involves the collection, storage, and use of biological samples from individuals



#### Automated & Connected Transportation Autonomous vehicles, unmanned aircraft systems, automated subway systems, smart cities, internet-of-things, and other possible applications



## Electric Vehicles (EVs)

Standards to integrate EVs with the electrical grid



#### **Critical Mineral Supply Chains**

Cross-cutting issues that are critical to enabling the development and deployment of emerging technologies and data security



#### Cybersecurity & Privacy

Cross-cutting issues that are critical to enabling the development and deployment of emerging technologies and data security

## **USG NSSCET OBJECTIVES**





## **Objective 1: Investment**

**Objective 2: Participation** 

**Objective 3: Workforce** 

**Objective 4: Integrity & Inclusivity** 

## **USG NSSCET LINES OF EFFORT**



# **Greater Investment in Pre-Standardization Research**



Increase R&D funding for CETs Support development of standards that address risk, security, and resilience

#### Participation in Standards Development



- Remove and prevent barriers to private sector participation
- Improve communication between public and private sector
- Enhance USG representation and influence in international standards governance and leadership

#### Workforce Development



Educate and empower the new standards workforce

#### Ensuring Integrity in Standards Development



- Deepen standards cooperation with partners and allies
- Facilitate broad representation in standards development

## THE INNOVATION STAKEHOLDERS



U.S. leadership in the U.S. innovation ecosystem requires collaboration among a diverse set of participants.



## **DEVELOPING A USG NSSCET IMPLEMENTATION PLAN**



Engaging in the USG National Standards Strategy for Critical and Emerging Technology Supporting communication and coordination information **standards.gov** 

Hosting **national listening sessions** and stakeholder engagement workshops (planning 6 sessions between September and December, 2023)

Established **Visiting Committee on Advanced Technology Subcommittee** on International Standards Development

Posting **Request for Information** on barriers to increased standards engagement (FRN at the end of August)

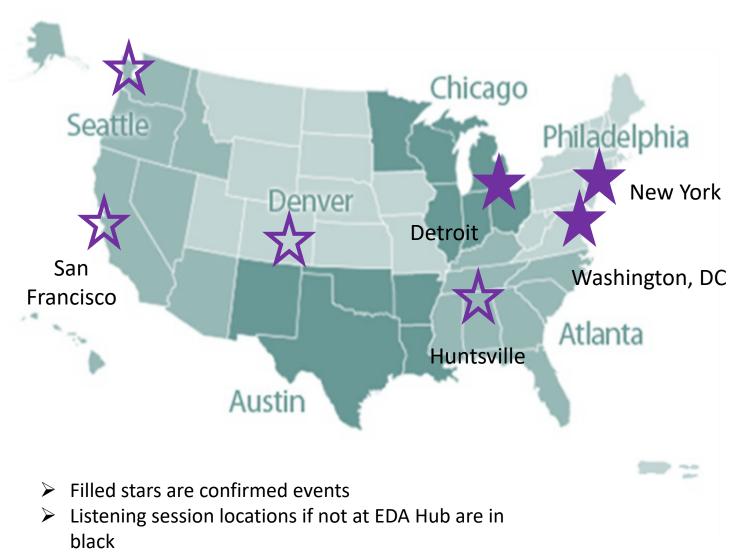
## NATIONAL LISTENING SESSIONS



Listening sessions planned around the country using EDA regions as a guide.

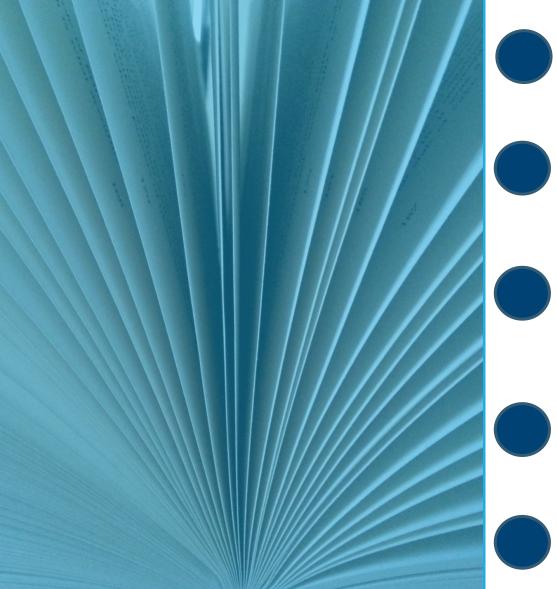
Will be held while RFI is open to increase coordination and engagement in standards development

Updated list of events will be posted on **standards.gov** 



## **REQUEST FOR INFORMATION OVERVIEW**



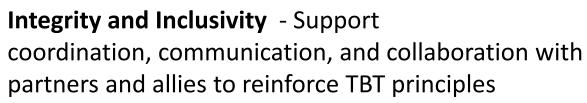


Broad questions on benefits, risks and the challenges faced by small and medium sized enterprises

**Investment** - Policies, R&D and prestandardization budget to support standards development and encourage USG adoption of standards and demonstrated CETs.

**Participation** - Support coordination, communication, collaboration with private-sector, civil society and state and local government in participation in CET standards development

**Workforce** – Tools, resources, curricula, activities to encourage engagement and awards for increased recognition for participation in CET standards development



## WE ARE LISTENING DOCKET NUMBER 2023-19245





#### QR Code for RFI

NIST Seeks Input on Implementation of USG NSSCET through a **Request for Information (RFI).** 



The RFI Covers USG NSSCET Goal Areas - Investment, Participation, Workforce, Integrity and Inclusivity

RFI will be open through 11/6/23

Please also visit **standards.gov** for information on events, progress, and other ways to engage!

### WWW.STANDARDS.GOV



# We're Listening.

The Standards Information Center provides a gateway to navigating the dynamic U.S. and international standards landscape





The USA Enquiry Point for the World Trade Organization (WTO)



## www.Standards.gov