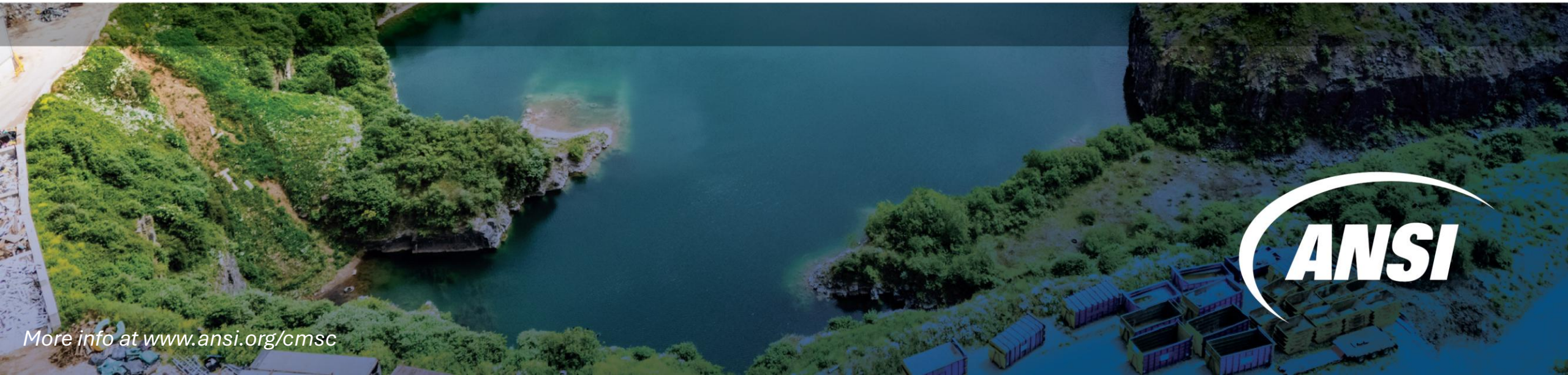




Critical Minerals Standards Coordination (CMSC)



More info at www.ansi.org/cmssc



A NONPROFIT
ORGANIZATION

THAT
COORDINATES
THE U.S. STANDARDIZATION SYSTEM

AND
REPRESENTS U.S. INTERESTS
TO INTERNATIONAL STANDARDS ORGANIZATIONS



ANSI's Mission Statement



To enhance both the global competitiveness of U.S. business and the U.S. quality of life by promoting and facilitating voluntary consensus standards and conformity assessment systems, and safeguarding their integrity.

What ANSI Is & Isn't:



Private-sector led, public-sector supported



A 501(c)(3) non-profit organization



An “umbrella” organization for the U.S. voluntary consensus standards community



A standards developer



A product certifier or tester



A government agency

ANSI Standards Coordination Program

One way ANSI coordinates and supports the standardization system is through **standards collaboratives**, **technical events**, and **coordination groups** which:

- Bring together the public and private sector in a **neutral forum** to identify:
 - Challenges and opportunities for particular technologies, sectors, or standardization matters
 - Current and in-development standards and conformity assessment programs
 - Prioritized gaps and recommended solutions for pre-standardization, standardization, and implementation
 - Organizations that can perform the needed work
- Convene all materially affected and interested stakeholders in an environment that respects the principles of **openness, balance and consensus**



Common Standards Coordination Deliverables

Roadmaps

Roadmaps detail existing research, standards and conformity assessment activities, and gaps with recommendations about how to fill the gaps to meet stakeholder needs.

Gaps Progress Reports provide updates on progress to gaps found in roadmaps or to recommendations from other collaborative work products.

Strategies

Standards Strategy provides a structured framework to guide and strengthen standards-related activities, coordination, and implementation across a specific sector, technology area, or industry.

Landscapes

Landscapes are a listing of standards activities and supporting organizations, potentially attributed to specific sectors, materials, technologies, etc.

Database: Online database listing relevant standards activities with the capability to filter and sort based on specific data

Reports

Tailored Reports: Event or activity reports include a summary of event discussions and recommendations. They can be tailored or scaled to the stakeholder needs.

Standards Coordination Program Goals

- Maximize coordination among standards developing organizations (SDOs) to **avoid duplication of effort**
- Inform stakeholder **resource allocation** for standards participation
- Foster market growth and technology dissemination
- Address concerns regarding **safety, interoperability, performance**, etc.
- **Respond to public policy drivers** (e.g., achieving energy independence and security, economic growth, etc.)
- **Inform** global stakeholders and international trading partners of where and how standards intersect with regulations and policy
 - Roadmaps typically are focused on the U.S. market with international harmonization issues emphasized in key areas
 - Participants can be foreign-based but must have U.S. operations

ANSI standards collaboratives do not develop standards, they inform standards efforts

Primary Objective

U.S. Standards Strategy for
Critical Minerals



Critical Minerals Standards Coordination (CMSC)

Drivers:

- **G7 Roadmap to Promote Standards-based Markets for Critical Minerals** (Oct 2025)
- USG priorities to secure domestic supply chains and reduce dependence on foreign sources of critical minerals.
- CMs foundational to defense, energy, manufacturing, advanced electronics, and infrastructure

Standards Help:

- Promote transparency and traceability
- Help companies access global markets
- Provide common framework for trust & investment

Supported by:

U.S. Department of Energy's (DoE):

- Advanced Mining and Mineral Production Technologies Office
- Office of Critical Minerals and Energy Innovation (CMEI)

Meeting Needs:

- Stakeholders expressed a need for alignment & governance about how these materials are sourced, processed, and traded
- **Standards Environment is Robust & Complex** – need to educate, increase coordination, strategic planning, and information sharing

U.S. Critical Minerals Standards Strategy

- a) Identify **coordination needs** for standards development and implementation, taking into account upstream and downstream challenges and opportunities
- b) Discuss the **role of standards** in export and trade
- c) Propose **how to align existing best practices** and **secure global adoption**
- d) Consider **various U.S. technologies** and encourage market competition
- e) Consider **regulatory frameworks for downstream stakeholders**
- f) Identify **key standardization gaps** within the critical minerals supply chain and support implementation of the Strategy. Gaps should identify how they relate to ‘a’ through ‘e’ where possible.

Critical Minerals Standards Coordination (CMSC)

Timeline:

- Fall 2026 Working Group Launch
 - WG resource development
 - Securing co-chairs
 - Membership Recruitment
- Winter/Spring
 - Strategy Development & Publication

Working Group Structure Informed by:

- September 23-24th Workshop
- Planning / Advisory Group
- DoE

How Will Stakeholders Use the Strategy?

Standards Development, Implementation, and Coordination

- Inform stakeholder resource investment
 - Which SDOs support which aspects of the value chain
 - Which SDOs stakeholders chose to bring standards activities to
- Inform where standards alignment & coordination needs and opportunities
- Inform which standards are being utilized today
 - Support adoption
 - Inform advocacy

International Outreach

- Between the U.S. and the national standards bodies (NSBs) in key countries
 - e.g., Canada, France, Germany, Italy, Japan, and the United Kingdom.
- Participation includes
 - U.S. critical minerals public and private sector stakeholders
 - Counterparts in partner countries (coordinated with NSBs)

Communicate Markers of Success

- Continued dialog about progress and effectiveness of Strategy recommendations

How Do We Get There?

Building Consensus &
Securing Commitments



Critical Minerals Standards Coordination (CMSC)

Landscape

- Request for Information (RFI) issued April 20, 2026
- Standards Information
- Technical metadata
 - Technical Lifecycle Areas
 - Environmental, Social, Governance (ESG)
 - Standards Type
 - Standard End-User

Webinars

- June 9th & 30th 2026 standards webinars
- Increase awareness about SDO work programs; drivers, stakeholder engagement,
- Enable live interaction

[Recordings Available](#)

Workshop

- September 23-24th (Washington, DC)
- Discussion-based event
- Inform standards strategy development

[Event Information](#)

Phase I focuses on increasing awareness about existing standards development activities and identification of U.S. stakeholder needs and priorities.

Critical Minerals Standards Workshop

Setting the Stage: The Critical Minerals Standards Landscape

Critical Minerals Supply Chains and Standards Panel

Cross Cutting Discussions

- Circular Economy
- Traceability Discussion & OECD Traceability Efforts & Regulatory Tracking Briefing
- Data Handling Systems & Labeling

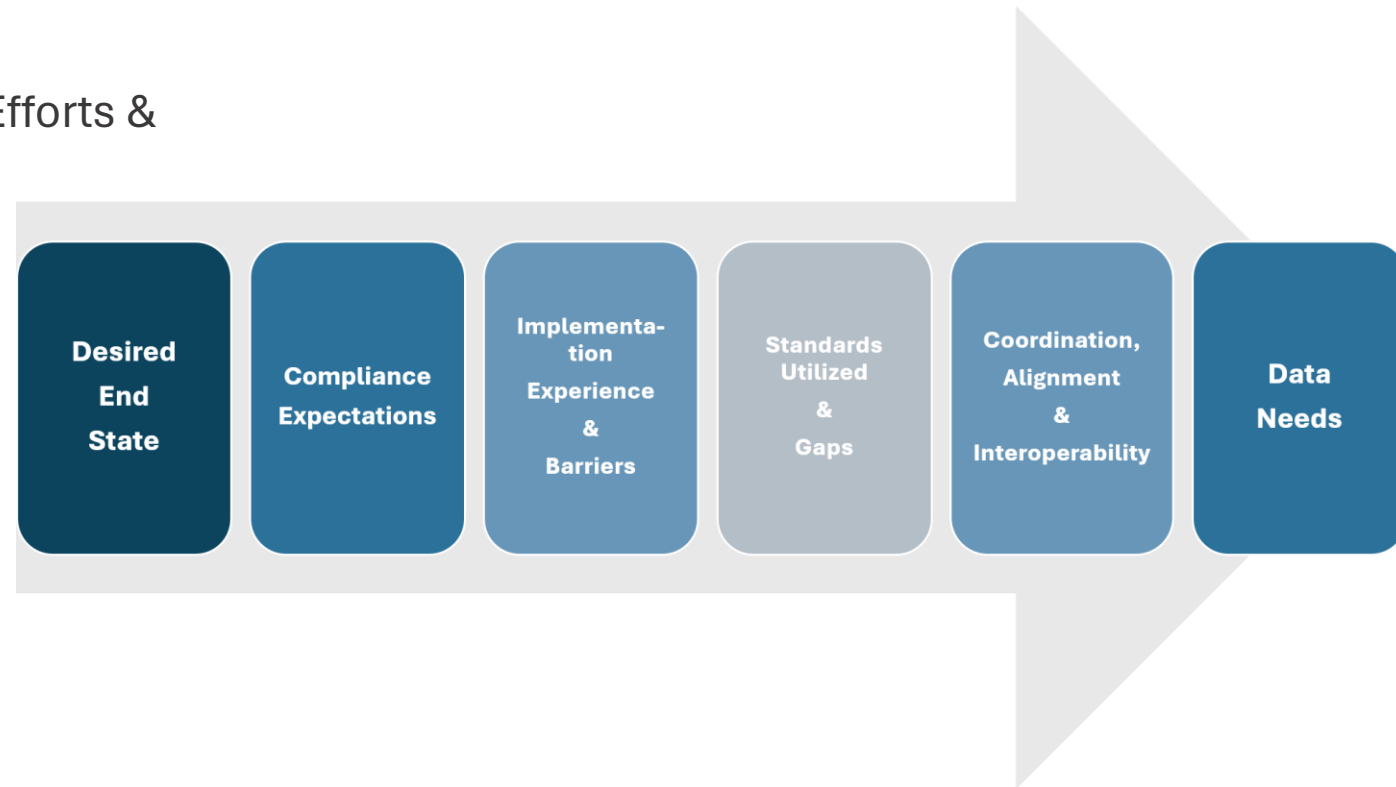
Downstream Deep-Dive Discussions

- Battery & Energy Storage Technologies
- Magnets & Electromagnetic
- Semiconductors & Electronic Components
- Structural & Advanced Materials

Midstream Deep-Dive Discussions

Upstream Deep-Dive Discussions

ANSI Critical Minerals Standards Collaborative Structure



How to Get More Information



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scan to add phone contact

Project Sign Up (non-marketing)



September 23-24th Workshop



All info at www.ansi.org/cmssc