



Critical Minerals Standards Coordination (CMSC)

Shaping the U.S. Standards Strategy for Critical Minerals [Free Registration](#) for the September 23-24, 2026 Workshop

In partnership with the U.S. Department of Energy, ANSI launched a [Critical Minerals Standards Coordination \(CMSC\)](#) initiative to drive coordination across the U.S. and within the international standards ecosystem and create a **vital U.S. Standards Strategy for Critical Minerals**. Standards are a critical enabler of secure, competitive, transparent, resilient, and innovative critical mineral supply chains, and achieving these national objectives requires coordinated engagement from both government and the private sector across the full upstream, midstream, and downstream value chain.

This September, stakeholders from across the critical minerals value chain will convene at a [free hybrid workshop](#) to define the initial scope, priorities, and recommendations for the Strategy.

- **WHY THIS MATTERS NOW:** As global demand for critical minerals surges, international standards are increasingly reshaping market access, material qualifications, supply chain requirements, traceability expectations, and technology competitiveness. Global competitors are actively driving international standards development. The U.S. must coordinate and act now to ensure that U.S. standards and practices are shaping global norms.
- **WHY BROAD VALUE CHAIN PARTICIPATION IS ESSENTIAL:** Upstream, midstream, and downstream decisions do not exist in a vacuum; each segment brings unique technical expertise, operational realities, and market priorities that are vital to the whole. A standard established in extraction ripples all the way to recycling and end-use. To build a practical, resilient framework, the strategy must reflect these diverse perspectives and the realities of the entire ecosystem.
- **ANSI'S ROLE AS A FACILITATOR:** Through its Standards Coordination Program, ANSI convenes public- and private-sector stakeholders in a neutral forum to identify standards-related challenges, opportunities, gaps, and coordination needs while adhering to the principles of openness, balance, and consensus.
- **WHY ATTEND?** Proactive engagement delivers a powerful strategic advantage. Participation ensures the opportunity to shape priorities, identify practical solutions, and align standards activities with your market realities and operational needs.

Discussions will examine how standards can support secure and resilient supply chains, strengthen domestic manufacturing competitiveness, and meet growing downstream demands for conformity assessment, safety, performance, traceability, and trusted supply chain information. Because these challenges span the entire value chain, broad stakeholder participation is essential.

HOW CAN YOU INFLUENCE OUTCOMES?



DOWNSTREAM

Trade Associations, Industry Consortia,
Professional Societies, and Their Members

Shape standards that support procurement, qualification, manufacturing, and market needs.

Influence international standards discussions affecting future market access and competitiveness.

Advance supply chain transparency and confidence in critical mineral inputs.

Drive interoperable data systems and traceability frameworks that reduce compliance burdens.

Help define a coordinated U.S. strategy before future requirements become established global norms.



MIDSTREAM

Processing, Refining, Separation, Materials
Production, Technology Providers

Define technical specifications and measurement methods that support domestic processing capacity.

Identify and address standards gaps affecting commercialization and investment.

Drive consistency across materials, testing, quality requirements, and data exchange.

Influence approaches that strengthen supply chain resilience and competitiveness.

Shape standards priorities supporting next-generation processing and manufacturing technologies.



UPSTREAM

Mining, Extraction, Exploration, Responsible
Sourcing, Governance Organizations

Shape approaches to traceability, transparency, and responsible sourcing.

Ensure standards reflect operational realities and technical feasibility.

Influence standards supporting environmental performance, mine closure, and circularity.

Strengthen market access and investor confidence through coordinated approaches.

Ensure U.S. and allied perspectives are reflected in emerging international standards activities.



TRADE GROUPS

Trade Associations, Industry Consortia,
Professional Societies, and Their Members

Help ensure standards support procurement, qualification, manufacturing, and market needs.

Influence international standards discussions that may affect future market access and competitiveness.

Strengthen supply chain transparency and confidence in critical mineral inputs.

Support interoperable data systems and traceability frameworks that reduce compliance burdens.

Help shape a coordinated U.S. strategy before future requirements become established global norms.

HOW WILL ENGAGEMENT HELP YOU?



DOWNSTREAM

Trade Associations, Industry Consortia,
Professional Societies, and Their Members

Influence standards that shape future sourcing, procurement, compliance, and market access requirements.

Strengthen your ability to address supply chain risks and evolving customer expectations.

Shape standards that support business needs, innovation, and competitiveness.

Impact international standards that influence product requirements and global markets.

Help define the standards environment supporting growth in industries reliant on critical minerals.



MIDSTREAM

Processing, Refining, Separation, Materials
Production, Technology Providers

Influence specifications, testing methods, and quality requirements affecting future markets.

Shape standards priorities supporting commercialization, investment, and competitiveness.

Help align emerging requirements with operational and technical realities.

Advance standards activities that support U.S. processing and manufacturing capabilities.

Ensure your organization's perspective is reflected before international approaches become widely adopted.



UPSTREAM

Mining, Extraction, Exploration, Responsible
Sourcing, Governance Organizations

Influence international expectations for traceability, responsible sourcing, and environmental performance.

Help ensure operational realities are reflected in future requirements.

Shape standards that influence market access, investment, and customer procurement decisions.

Position your organization to drive change rather than react to it.

Advance standards that support practical implementation across mining and materials production.



TRADE GROUPS

Trade Associations, Industry Consortia,
Professional Societies, and Their Members

Amplify the collective voice of your members in shaping standards priorities and strategic initiatives.

Mobilize stakeholders around shared industry challenges and opportunities affecting supply chains.

Advance member interests through coordinated engagement with leaders.

Strengthen your organization's role as a convener, consensus-builder, and catalyst for action.

Position your association and members to help define the standards landscape supporting future growth, investment, and innovation.