

U.S. Critical Minerals Standards Coordination Group (ICMSCG)

American National Standards Institute



U.S. ISO Critical Minerals Standards Coordination Group (ICMSCG)

FORMED	October 2025, for U.S. stakeholders to exchange information, coordinate engagement, and align strategically on ISO activities related to critical minerals. It provides a neutral platform to share updates on standards development actions, committee activities, and upcoming ISO meetings across relevant technical committees.
RELEVANT COMMITTEES	<ol style="list-style-type: none">1. TC 82/SC 7 Sustainable mining and mine closure2. TC 298 Rare Earth3. TC 333 Lithium4. TC 345 Materials for specialty technologies5. PC 348 Sustainable raw materials (since disbanded)
NEEDS IDENTIFIED	U.S.-focused coordination committee to: <ul style="list-style-type: none">- share updates- develop strategies- deepen stakeholder engagement Increased connectivity to & awareness about U.S. allied nations perspectives of ISO activities Standards education to support U.S. TAG participation in ISO
2025 ACTIVITIES	June 2025 Roundtable <ul style="list-style-type: none">- Identified what U.S. coordination would best support effective U.S. engagement in ISO activities- Recommended steps could be taken to resolve concerns or maximize opportunities October 2025 Kick-off Meeting
2026 PLANS	<ul style="list-style-type: none">- Address key priorities identified- Ongoing standards education to support ISO TAG participation- Outreach to secure additional U.S. engagement

More information at www.ansi.org/icmscg

ICMSCG 2025 / 2026



Project Webpage: Resource for U.S. stakeholders interested in engaging in ISO CM activities (who, what, where)



Standards Updates: Quarterly briefing from U.S. TAG chairs about progress of activities (pre/post plenary meetings)



U.S. TAG Training: Briefings and resources provided to ensure U.S. participation is effective and representative of U.S. market



Coordination: Topics impacting TCs can be discussed at ICMSCG to more effectively coordinate responses into the formal ISO process



U.S. Participation: Evaluate participation and leadership in TCs, SC, and WGs to determine where gaps and opportunities exist.

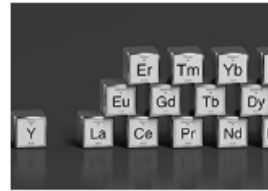
ICMSCG Website

RELEVANT ISO COMMITTEES

The following ISO technical committees are relevant to the ICMSCG activities. These ISO webpages include the current scope and work program information, including committee support contacts.



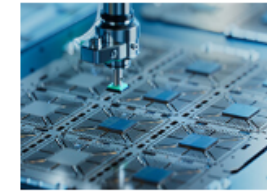
TC 82/SC 7 SUSTAINABLE MINING AND MINE CLOSURE



TC 298 RARE EARTH



TC 333 LITHIUM



TC 345 MATERIALS FOR SPECIALTY TECHNOLOGIES



PC 348 SUSTAINABLE RAW MATERIALS

U.S. TECHNICAL ADVISORY GROUPS (TAGS)

Information about each of the U.S. TAGs have been created to support U.S. TAG information sharing and enable effective participation.



TC82/SC 7 SUSTAINABLE MINING & MINE CLOSURE

TAG
Administrator:
Jason Knopes,
ANSI



TC 298 RARE EARTH

TAG
Administrator:
Andrea Tanner,
CSA



TC 333 LITHIUM

TAG
Administrator:
Andrea Tanner,
CSA



TC 345 MATERIALS FOR SPECIALTY TECHNOLOGIES

TAG
Administrator:
Jason Knopes,
ANSI



PC 348 SUSTAINABLE RAW MATERIALS

TAG
Administrator:
Jason Knopes,
ANSI

ICMSCG Website

NEWS

LATEST HEADLINES

Check out our most recent news articles, opportunities for engagement, and other announcements, at right.

[SEE ALL ANSI NEWS >](#)



4/20/2026

Critical Minerals Standards:
ANSI Launches Initiative to...



4/07/2025

Critical Minerals Experts:
Participants Needed to...



8/19/2024

Supporting Sustainable Raw
Materials: Join U.S. TAG for...

STAFF CONTACTS

Have a question or need help?

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Traceability and Sustainability Standards

To evaluate where there are complementary or overlapping standards, ANSI reviewed the ISO portfolio*:

- Sustainability in title: **69** documents in **30** different committees
- Traceability in title: **33** documents in **22** different committees

Reference	Document title	Committee	Convenorship
UNDER DEVELOPMENT			
ISO/PWI 24888	Specification for Data Traceability and Sharing of Rare Earth Industry Chain Based on Blockchain	ISO/TC 298/WG 3	Korea
ISO/WD 24961	Rare earths and lithium sustainability across the value chain : concentration, extraction, separation, conversion, recycling and reuse	ISO/TC 298/JWG 6	US
PUBLISHED			
ISO 23664:2021	Traceability of rare earths in the supply chain from mine to separated products	ISO/TC 298/WG 3	Korea
ISO 17887:2025	Traceability of rare earths in the supply chain from separated products to permanent magnets	ISO/TC 298/WG 3	Korea

** The numbers reflected are expected to change and reflect data from one point in time.*

ISO Critical Minerals Coordination Committee (CMCC)

Formed: October 23, 2023

Convenor: Christophe Didier (AFNOR)

Secretary: Ferrés Hernández Mercè Mme

Mandate: To facilitate communication, coordination and information sharing amongst ISO committees involved in standardization related to critical minerals

Reporting: The coordination committee to provide a status update to the TMB on an annual basis

Membership:

- Chairs of committees dealing with subject matters related to critical minerals. The CMCC may invite additional ISO committees Chairs to participate in its activities as needed, depending on the subject matter(s) under consideration
- IEC and ITU representatives
- Liaison with ISO/TMBG/ESG_CC, ESG Coordination Committee
- Chairs, as members of the CMCC, may invite an expert from their committee with expertise on relevant issues to bring additional input when needed.

ISO CMCC Expected Outputs

- **Coordination across relevant ISO committees**
- Undertake **regular (annual) surveys of market needs** for chemical analysis standards of critical minerals **not yet covered** by ISO
- **Monitor countries/regions published lists of critical minerals**
- Provide **recommendations to ISO/TMB regarding development of standards** to support critical minerals industry
- **Facilitate communication, coordination and information sharing** among ISO committees involved in standardization related to critical minerals
- Encourage the use of model chemical analysis techniques when new methods are being developed or revisions are approved
- Promote the use of ISO standards to the industry and highlighting ways for the industry to contribute to their development
- **Support ISO's efforts to collaborate with other organizations**
- Identify a National Standards Body to develop overarching guidance describing the role standards play across the critical minerals supply chain (including availability of chemical analysis techniques, existing sustainability tools identified by the SAG, traceability tools available, etc.)

ISO CMCC Representations

1. TC 26 Copper and copper alloys
2. TC 27 Coal and coke
3. TC 79 Light metals and their alloys
4. TC 79/SC 5 Magnesium and alloys of cast or wrought magnesium
5. TC 79/SC 12 Aluminium ores
- 6. TC 82/SC 7 Sustainable mining and mine closure**
7. TC 132 Ferroalloys
8. TC 155 Nickel and nickel alloys
9. TC 183 Copper, lead, zinc and nickel ores and concentrates
10. TC 207 Environmental management
- 11. TC 298 Rare Earth**
12. TC 308 Chain of Custody
13. TC 323 Circular economy
- 14. TC 333 Lithium**
- 15. TC 345 Specialty metals and minerals**
- 16. PC 348 Sustainable raw materials**

International Workshop Agreement (IWA) 45

Purpose:

- to support the understanding of the range of sustainability tools available relevant to “sustainable critical minerals supply chains”
- to address issues in the supply chain and find ways to improve and support sustainability outcomes

2024 Workshops (3)

- In-person workshop Feb. 15-16, 2024 in Tokyo, Japan
- Hybrid workshop April 16-17, 2024 in New York City, USA and virtual
- Online workshop May 15, 2024

27 Countries Represented:

Australia, Austria, Belgium, Brazil, Canada, Chile, China, Democratic Republic of Congo, Finland, France, Germany, Haiti, India, Italy, Japan, Morocco, Norway, Republic of Korea, Russia, Saudi Arabia, Singapore, Spain, Sweden, Switzerland, Uganda, United Kingdom, United States

- Meeting summary reports available at <https://www.standards.org.au>
- Final report available for a fee at <https://www.iso.org/standard/87927.html>

IWA 45 Report

- Covers the scope of governance, assurance processes and other factors related to identified “sustainability tools” for “critical mineral supply chains.”
- IWA participants concluded that, “while standards and frameworks have a vital role to play in ensuring a sustainable critical mineral supply chain, **it is important to avoid developing new ISO standards that duplicate or conflict with existing sustainability standards.**”
- “The IWA participants found **no market need for another standard in the upstream or midstream segments of the minerals and metals sector.** Instead, future ISO work is needed to explore the gaps that exist within the downstream standards landscape and how to best address them.”
- **Did not assess the effectiveness of existing standards or frameworks** in improving the sustainability performance of their users or how performance was assessed.

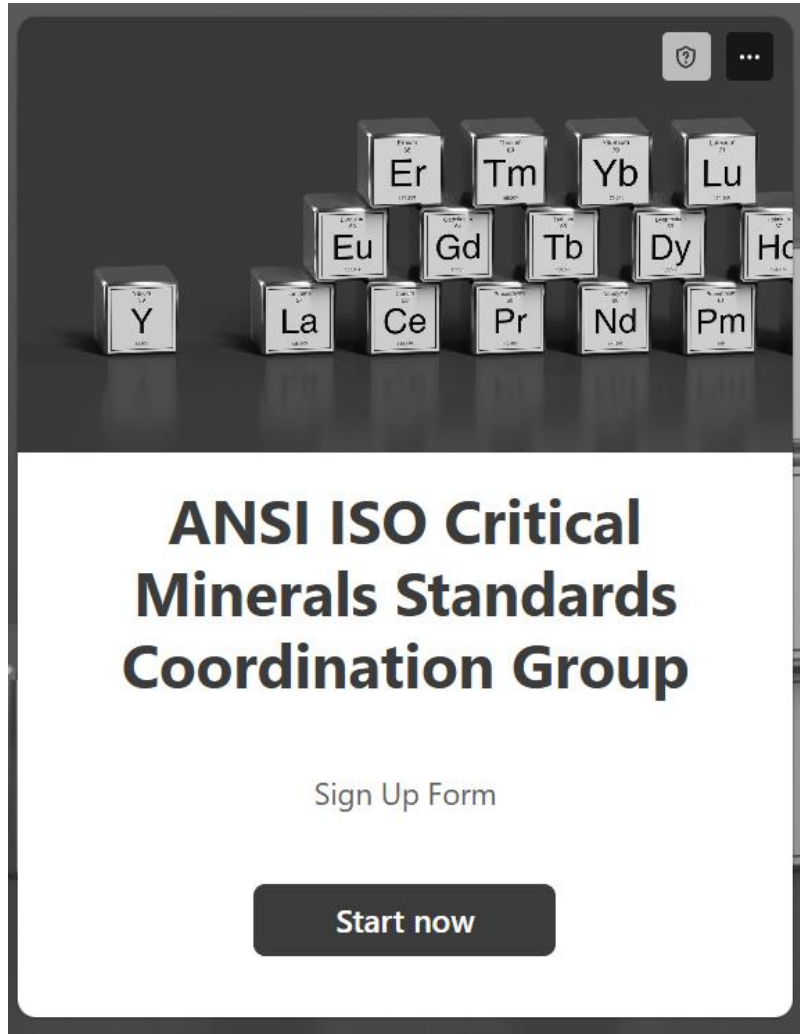
Existing ISO Standards

- ISO 14001, Environmental management systems
- ISO 14002-2, Environmental management systems – Guidelines for using ISO 14001 to address environmental aspects and conditions within an environmental topic area – Part 2: Water
- ISO 14002-4, Environmental management systems – Guidelines for using ISO 14001 to address environmental aspects and conditions within an environmental topic area – Part 4: Resources and waste
- ISO 14046, Environmental management – water footprint - principles, requirements and guidelines
- ISO 26000, Guidance on social responsibility
- ISO 3740, Acoustics – determination of sound power levels of noise sources - guidelines for the use of basic standards
- ISO 45001, Occupational health and safety management systems – requirements with guidance for use
- ISO 21795-1, Mine closure and reclamation planning – Part 1: Requirements
- ISO 21795-2, Mine closure and reclamation planning – Part 2: Guidance
- ISO 26000, Guidance on social responsibility
- ISO 37000, Governance of organizations – Guidance
- ISO 37101, Sustainable development in communities – Management system for sustainable development – Requirements with guidance for use
- ISO 45001, Occupational health and safety management systems – Requirements with guidance for use
- ISO 53800, Guidelines for the promotion and implementation of gender equality and women’s empowerment

Sustainability Frameworks for CM Supply Chains

1. Aluminium Stewardship Initiative (ASI), ASI Performance standard
2. China Chamber of Commerce of Metals, Minerals & Chemicals Importers & Exporters (CCCMC), Chinese Due Diligence Guidelines for Responsible Mineral Supply Chains
3. China Chamber of Commerce of Metals, Minerals & Chemicals Importers & Exporters (CCCMC), Guidelines for Social Responsibility in Mining Investments (GSRM)
4. DMT GmbH & Co. KG, TUV NORD CERA 4in1 Certification System
5. Extractive Industries Transparency Initiative (EITI), EITI Standard
6. Financial Stability Board (FSB), Task Force on Climate Related Financial Disclosures (TCFD)
7. Global Reporting Initiative (GRI) Standards, GRI
8. Initiative for Responsible Mining Assurance (IRMA), Standard for Responsible Mining V1
9. International Council on Mining and Metals (ICMM) Mining Principles
10. International Finance Corporation (IFC), IFC Performance Standards on Environmental and Social Sustainability
11. International Financial Reporting Standards (IFRS), IFRS S1 General Requirements for Disclosure of Sustainability-related Financial Information; IFRS S2 Climate-related Disclosures
12. International Sustainability Standards Board (ISSB), Sustainability Accounting Standards Board (SASB) Standards
13. International Tin Association, Tin Code
14. International Tin Supply Chain Initiative (ITSCI) Joint Industry Traceability and Due Diligence Programme, ITSCI
15. Kimberley Process Certification Scheme (KPCS), Kimberley Process
16. London Bullion Market Association (LBMA), LBMA Responsible Gold Guidance International Bullion Centre Recommendations; Global Precious Metals Code
17. Responsible Cobalt Initiative (RCI) and the Responsible Minerals Initiative (RMI), Cobalt Refiner Supply Chain Due Diligence Standard (Version 2)
18. Responsible Cobalt Initiative the Global Battery Alliance's Cobalt Action Partnership and the Fair Cobalt Alliance, Cobalt Artisanal and Small-Scale Mining (ASM) ESG Management Framework [18]
19. Responsible Jewellery Council (RJC), RJC Code of Practices (COP) RJC Chain of Custody Standard (CoC); RJC Code of Practices (COP) Standard
20. Responsible Minerals Initiative (RMI), Responsible Minerals Assurance Process (RMAP), Mineral Supply Chain Due Diligence (DD)
21. Responsible Minerals Initiative (RMI), Environmental, Social & Governance (ESG) Standard
22. Responsible Steel, The Responsible Steel International Standard
23. Task Force for Nature-related Financial Disclosure (TNFD), TNFD
24. The Copper Mark, The Copper Mark Assurance Framework
25. The Expert Group on Resource Management (EGRM), United Nations Resource Management System (UNRMS)
26. The International Cyanide Management Institute, International Cyanide Management Code
27. The Mining Association of Canada (MAC), Towards Sustainable Mining (TSM)
28. The Organisation for Economic Co-operation and Development (OECD), OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from conflict-affected and high-risk areas (CAHRAs)
29. United Nations Environment Programme (UNEP) - Principles for Responsible Investment (PRI) - International Council on Mining and Metals (ICMM), Global Industry Standard on Tailings Management (GISTM)
30. World Gold Council, Responsible Gold Mining Principles (RGMPs)

How to Get Involved



ANSI ISO Critical Minerals Standards Coordination Group

Sign Up Form

Start now

Participation on the ICMSCG is limited to U.S. TAGs members only.

- Individuals interested in joining a U.S. TAG and the ICMSCG should fill out this [online form](#).
- Go to www.ansi.org/icmscg
- Scroll down to U.S. Technical Advisory Groups (TAGs) to find the link.

U.S. TAG members are not automatically added to ICMSCG. However, those that fill out the form expressing interest to join ICMSCG and the TAG at the same time will be contacted for both.



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scan to add phone contact

More info at www.ansi.org/icmscg