W1030 Binational Technical Committee

Critical Minerals & Materials for Specialty Technologies

CSA Group At-a-Glance

Holding the future to a higher standard

Standards Development Organization

Commercial Subsidiaries

Member Driven. Globally Relevant.

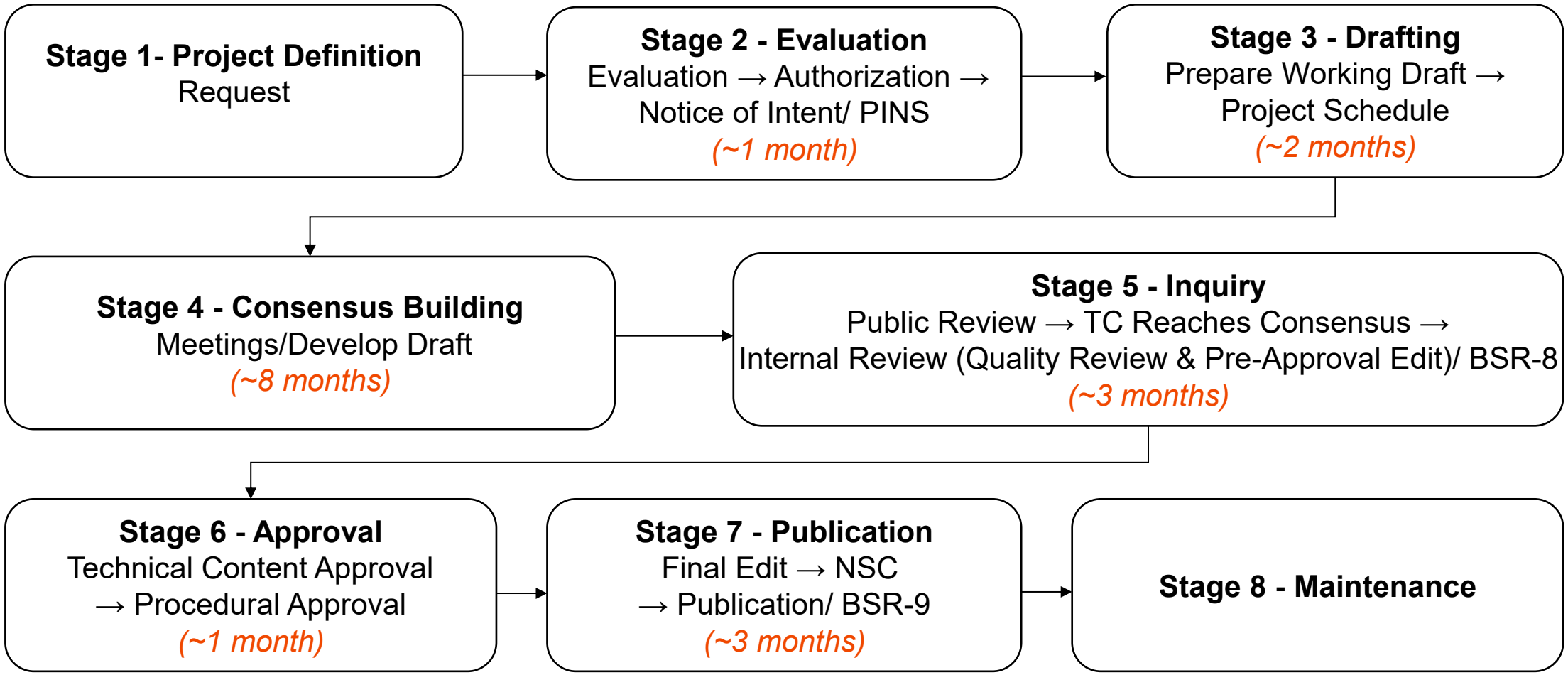
Who we are

14	+11,000	+3,000	+1,000
Areas of focus	Dedicated members	Standards	Committees

Balanced Matrix Approach

- Total membership of the committee is maintained in terms of categories
- Each category expressed with a min/max
- Voting members in one category are never greater than the sum of the two smallest categories
- Intent is to ensure all points of view are heard

Development Process: CSA Standard



Note: Timelines are a general approximation and vary for each project.

What is W1030?
Purpose, Focus, and Strategic Value of the Binational Committee

Area	Description	Strategic Value
Binational Collaboration	A joint CSA technical committee with participation from U.S. and Canadian stakeholders	Reduces regulatory fragmentation and improves cross-border alignment
Focus	Development of standards for critical minerals and materials used in specialty technologies	Supports advanced manufacturing, clean energy, defense, high-tech, and related or emerging sectors.
Supply Chain Resilience	Enhances consistency, transparency, and reliability through standards	Strengthens North American supply chain security and mitigates risk
Innovation Enablement	Establishes shared, technology-neutral frameworks and evaluation approaches	Lowers barriers to collaboration and market adoption
Sustainability	Incorporates lifecycle, environmental, and ESG considerations	Promotes responsible and future ready material development

Scope & Impact

- Aligned with the scope of ISO/TC 298, ISO/TC 333, and ISO/TC 345
- May include standards defining terminology, requirements, and guidance for critical minerals and materials
- Supports sectors such as manufacturing, clean energy, defense, electronics, and advanced technologies
- Enhances consistency, quality, and overall market confidence

Standards Landscape

- Adoption of relevant ISO standards
- Development of CSA/ANSI national standards
- Alignment with international and North American regulatory needs

Conformity Assessment

- Supports testing, inspection, and certification where applicable
- Considers feasibility, cost, and scalability
- Designed to enable future accreditation and certification programs

Standards Development Process

Consensus-based, transparent CSA Group standards process

Proposal, drafting, review, and balloting

Ongoing maintenance and revision cycles

Who Is Involved

- Industry stakeholders across mining, processing, and manufacturing
- Government and regulatory participants
- U.S. and Canadian standards experts

What's Next

Identify

Identify priority ISO standards for adoption

Define

Define gaps requiring new national standards

Monitor

Monitor trends in critical minerals and materials for specialty technologies.

Participation & Engagement

Join W1030 technical committee

Provide input during review and ballot stages.

Engage through CSA Group standards platforms

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Thank you.

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