



ASTM INTERNATIONAL
Helping our world work better

Standards to Support US – Zambia Trade and Investment

Standards Alliance Program

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www.astm.org

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ASTM International



- Global platform for the development of international standards
- Private sector, not-for-profit organization
- ANSI and SCC accredited SDO
- 33,000 members from 150+ nations
- Providing consensus solutions in more than 90 sectors and related services (proficiency testing, training, certification)
- Supporting public and private objectives for:
 - Health and safety
 - Quality
 - Trade
 - Environmental protection
 - Regulation

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ASTM, Africa and ZABS



Memoranda of Understanding

- ASTM has agreements with two regional bodies on the Continent
 - ARSO
 - SADC
- ASTM has 179 members from African economies engaged in 61 percent of our standards development activities
- And, agreements with national standards bodies of 28 African nations, including Zambia.
- ZABS signed the MoU in 2004

MoU Benefits

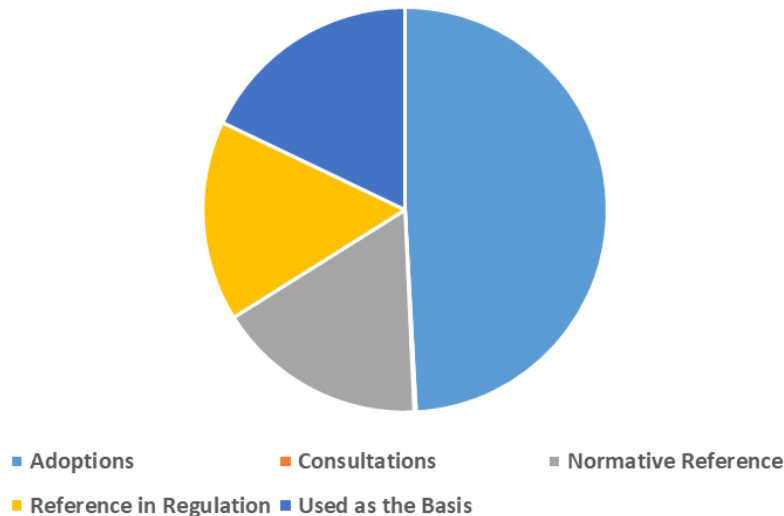
- Provides a full collection of ASTM Standards to ZABS
- Provides Zambia with choice
 - Use of ASTM standards as a technical and economic resource (best option for stakeholder needs)
- Offers membership to Zambian stakeholders at no cost
 - Equal ability to influence content, suggest changes
- Facilitates information exchange and training
- Requires the NSB to provide an annual report indicating:
 - Use of ASTM standards,
 - Engagement with ASTM, and
 - Training requests

ZABS Successful Implementation of the MoU



Citations of ASTM Standards by ZABS*

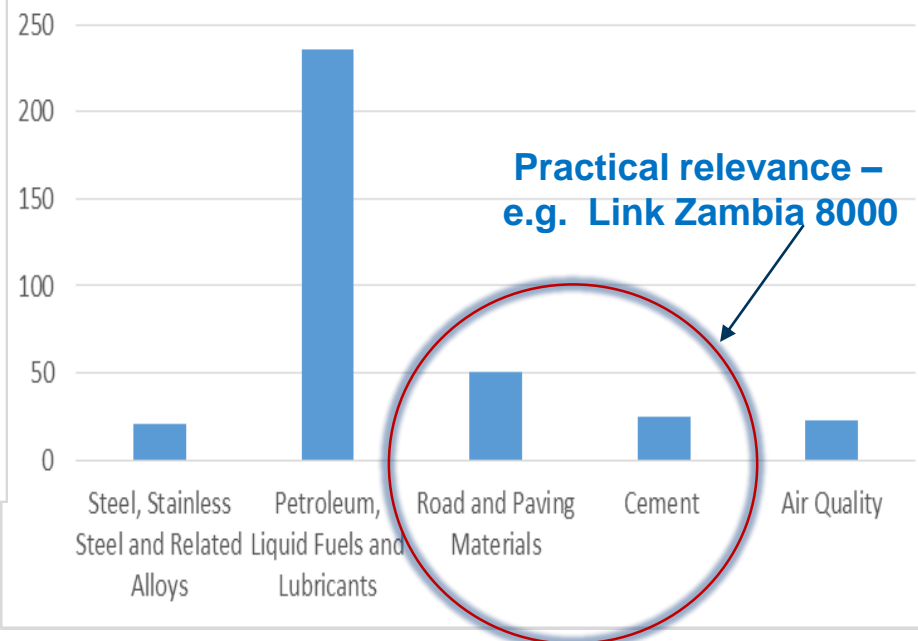
ZABS Citation of ASTM Standards



*More than 630 citations of ASTM standards by ZABS – ready, practical, technical tools to aid your work

ASTM TC Sources of ZABS' Citations

Most Frequently Cited ASTM Technical Committees



ASTM International Standards: Promoting Public-Private Collaboration for 120 Years



ASTM International standards development brings together the public and private sector to solve technical problems. Our international standards:

- **Support Government Regulations:** Today, over 7,700 citations of ASTM International standards are referenced in regulations or serve as the basis of national standards in over 120 countries – including several African economies
 - Standards range from raw materials, toys, infrastructure/construction products, and medical devices to the application of additive manufacturing technology, and environmental aspects of air, soil and water
- **Advance Public Policy Objectives:** ASTM has embraced certain international principles to develop international standards that enable trade, underpin good business regulation, promote private-public collaboration, and improve the integrity of products and materials on a worldwide basis

Standards and Regulatory Objectives in today's Global Economy

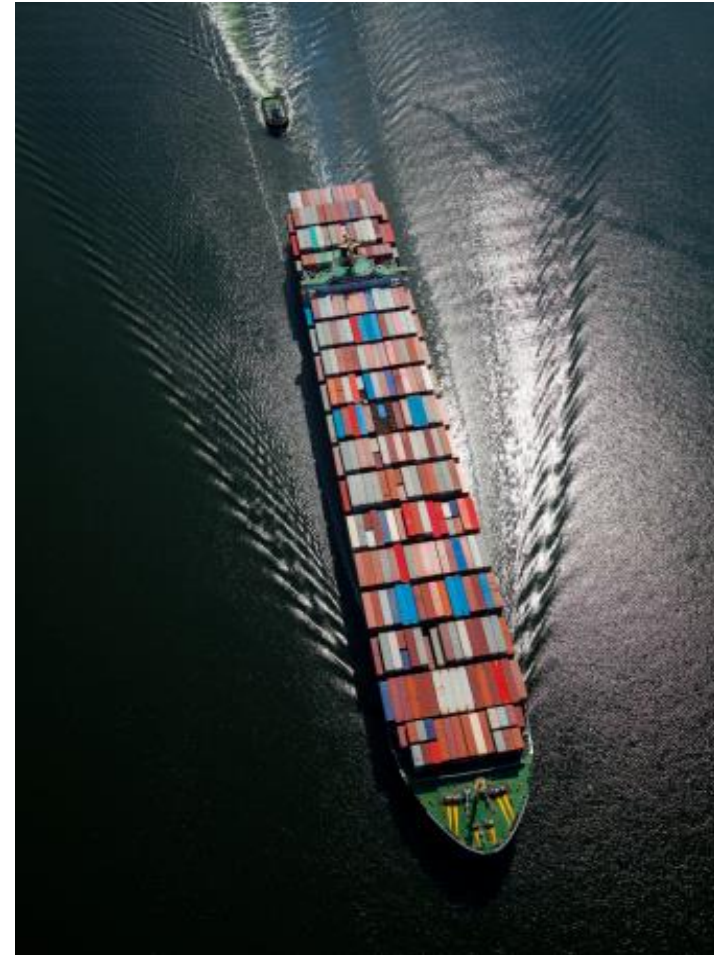


Zambia, as other nations do, conducts regional and international trade

Nations share objectives in terms of regulations

- Reduce non-tariff barriers that impede the flow of goods and services
- Cut the cost of differences in regulation and standards
- Increase compatibility, transparency, and cooperation
- Boost the competitiveness of SMEs and companies
- Foster innovation and technology transfer

We want policies and regulations that advance trade and promote greater prosperity



International Standards: WTO Guidance



WTO TBT “Committee Decision”

- The WTO Technical Barriers to Trade (TBT) Committee Decision on Principles for the Development of International Standards, Guides and Recommendations
- **Provides guidance** in the form of six principles to help regulators determine which standards may be considered international for the purposes of the TBT Agreement
- **Does not** designate specific bodies that develop international standards – instead outlines principles that should be observed when international standards are developed.



- International standards have special status under WTO rules.
- Regulations based on international standards are presumed not to create unnecessary obstacles to international trade.
- International standards developed according to the Decision promote trade and public-private cooperation

Attributes of Today's Standards Systems that Produce International Standards



- Ensure an open and transparent process
 - Direct and equal participation for everyone
 - Participants have access and can comment at all points in the process
- Provide impartial consensus based model of engagement
 - Balanced system where producers votes are equal to those of users
 - Impartial, inclusive and fair to all, with appeals and protections to avoid abuses
- Produce effective and relevant standards
 - Respond to needs and changing conditions, new hazards or emerging technologies
 - Relevant to the global marketplace and performance-based in application
- Driven by research, data and science-based decisions
 - Focus on science and technical quality, and specifically addressing risks and needs
- Collaborate with other standard bodies to avoid duplication

Putting ASTM International Standards to Work in Zambia



- Working together, we can apply WTO principles to recognize and use international standards that enhance trade, underpin good business regulation, and improve the integrity of products and materials

– **TRADE***

- International standards can assist with the facilitation of business within a country or by connecting firms to global markets (*See handout*)

– **REGULATION***

- International standards can help make the global business environment more predictable and transparent, while making it simpler and less costly for business to comply ()

– **INTEGRITY***

- International standards can make products and materials interoperable and more responsible to environmental, safety and health concerns that consumers expect (*See handout*)

* See handouts

Tangible Examples:

- **Trade:** *UNDP Chipota Falls Mini Hydro Power Project June 2017 – China – Zambia Renewable Energy Technology Transfer Project*
- **Regulatory:** *Compulsory Standards Zambia Bureau of Standards – Zambia Standard ZS 369 – Automotive Gasoil (diesel fuel) – Specifications*
- **Safety:** *Report of the Auditor General on the Road Projects under the Road Development Agency for the Period January 2012 to December 2015 – National Assembly of Zambia*

Moving Forward Together



Working together, we can promote public–private cooperation through standards development by:

- Applying the WTO TBT principles
- Promoting consideration by regulators of all relevant international standards developed according to the TBT Committee Decision
- Advancing the ability of industries to choose the international standards which best meet their needs, regardless of where they are developed
- Encouraging government and private sector participation in standards development

The high-quality, market-relevant international standards we create together can help to support public policy goals by:

- Underpinning effective regulations that help make global business more predictable and transparent, while making it more simple and inexpensive for businesses to comply
- Making products and materials interoperable and more responsible to environmental, safety and health concerns to meet expectations of consumers
- Advancing R&D, product manufacturing, testing, quality assurance, marketing, and trade

In summary, together we can help the world to work better through improved products, increased trade, and greater prosperity for the future.



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Questions?

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Thank you!

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