International Standards in Regulation
Best Practices – Identification and Referencing

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Standards Alliance Program – 21-22 May 2018
Why Are Standards Important in Mozambique?

They are key tools and resources

- Standards
  - are an integral part of any quality infrastructure
  - improve the performance of your industrial and agricultural sectors and the lives of your citizens
  - support health and safety, protect the environment, enable innovation, enhance reliability and quality, and facilitate trade, and
  - enable compliance with the WTO obligations
  - I’ll share information on standards in regulation from an ASTM perspective
ASTM International

- Global platform for the development of international standards; address market challenges
- Private sector, not-for-profit organization
- ANSI and SCC accredited SDO
- 33,000 members from 150+ nations
- 147 TCs serving 90 industry sectors; develop/maintain 12,700+ standards
- Complaint with WTO/TBT principles
- Also providing related services (proficiency testing, training, certification)
Collaboration with The Public and Private Sector

Solutions through standards

- ASTM’s process is open to and includes both public and private sectors for the development of high quality standards that are globally relevant
  - Standards are market driven and voluntary
  - Address technical, market, regulatory needs
  - Focus is on science and technology

- Based on relationships with National Standards Bodies
  - 109 individual Memorandums of Understanding (MoU) including 5 regional agreements

- ASTM standards are referenced by governments around the world for their high quality and market relevance
  - No ASTM standard has ever been cited by the World Trade Organization as a Technical Barrier to Trade

1000+
ASTM members come from international governments
ASTM, Africa and INNOQ

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 Mozambique.
- INNOQ signed the MoU in 2008

MoU Benefits

- Provides a full collection of ASTM Standards to INNOQ for use as decided by INNOQ and its TCs
- Provides Mozambique with choice and flexibility
  - Use of ASTM standards as a technical and economic resource (best option for stakeholders’ needs)
- Offers membership to Mozambican stakeholders at no cost
  - Equal ability to identify needs, influence content
- Facilitates information exchange and training
- Requires the NSB to provide an annual report indicating:
  - Use of ASTM standards,
  - Engagement with ASTM, and
  - Training requests
ASTM International and INNOQ

- MoU signed in 2008
- Use of ASTM standards as a result of the MoU

**Types of Citations**
- Adoptions
- Consultations
- Normative Reference
- Referenced in Regulation
- Used as the Basis

**Most Frequently Cited Sectors**
- Petroleum
- Steel, Stainless Steel
- Copper
- Plastics
- Fasteners
- Rubber
- Petrochemical
How to Access ASTM Standards: Compass® Dashboard
Compass Features

- Navigation in 14 languages
  - Including Portuguese
- Bookmarks/Saved Search
- Annotations
- Terminology Dictionary
- Robust taxonomy of 4,000 categories and 45,000+ keywords
- Digital Adjuncts
- Research Reports
Another Way to Access the Information You Need

ASTM Membership (Types/Benefits)
- Membership identifies those that serve on ASTM technical committees
- Vote on content of ASTM Standards
  - Currently over 24,000 ballot items
- 10% Discount off ASTM Publications
- Free Volume of BOS (*online access or print*)
- Subscription to *Standardization News* and eNews
- Free Meeting Attendance
- Reduced Fees for Qualified Symposium and Workshops
- Professional Development Opportunities

Other types of membership
- MoU (no cost to MoU partners)
  - (Same benefits except for free volume since full collection is provided to INNOQ)
- Student
  - (No cost; access to information on-line)

ASTM Members are a global network of peers, customers, competitors, regulators, researchers, academics
- Exceptional knowledge of standards, current issues, challenges, options
- Link via website
- Other options
  - ASTM staff
  - ASK ASTM on-line tool to raise inquiries
Options for Citing ASTM Standards

Available to all Public and Private Standards’ Users
– Referenced in Regulations
– Normative Reference

Available Only to MoU Partners
– Identical Adoption
– Equivalent Adoption
– Used as the Basis of a National Standard
– Consulted

Options for citing ASTM International Standards

Adoption (identical or with deviation)
ASTM Options to address your needs!

Used as the basis
Referenced in Regulation

Consulted
Normative Reference

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21-22 May 2018
Uses of ASTM International Standards

Referenced in Regulation

ASTM International standard is called out, either in whole or in part, in a regulation, law, decree, rule, act, directive, order, edict, etc. (i.e. any official government document other than a National Standard).

The content of the ASTM standard, either in whole or in part, is intended to be used as an additional requirement of the new regulation.

7,700+

Citations to ASTM standards for adoption, use as a reference, or as the basis of national standards outside the USA
GOVERNMENT NOTICES

SOUTH AFRICAN REVENUE SERVICE

No. R. 1334

CUSTOMS AND EXCISE ACT, 1964.
AMENDMENT OF SCHEDULE NO. 1 (No. 1/1367)

Under section 48 of the Customs and Excise Act, 1964, Part 1 of Schedule No. 1 to the said Act is hereby amended, with effect from 1 January 2009, to the

SCHEDULE.

By the substitution for the ADDITIONAL NOTES to CHAPTER 27 of the following:

ADDITIONAL NOTES:

1. Specifications:

   In this Chapter the following expressions shall be deemed to refer to hydrocarbon fuels and oils which are liquid at normal temperature and pressure (20°)
   all of the specifications hereunder assigned therein or with any other specifications accepted or determined by the Commissioner (unless otherwise stated
determined by the methods specified below) provided the intended uses of such fuels and oils are considered by the Commissioner in every case to be as
and oils.

   Methods to determine Specification Properties:
   Distillation: ASTM D86/IP123
   Density: ASTM D1298/4052
   Knock Rating: ASTM D2700/IP236
   Smoke Point: ASTM D1322/IP57
   Sulphur Content: ASTM D2622/IP336
   Kinematic Viscosity: ASTM D445/IP71
Uses of ASTM International Standards

Normative Reference

ASTM International standard (title only) is called out in the text of National Standard and its title also appears in the “Referenced Documents” section of the National Standard. The content of the ASTM standard, either in whole or in part, is intended to be used as an additional requirement of the new National Standard.

ASTM International complies with all 6 principles of an International Standards Developer as defined by the WTO.
Normative Reference

INTERNATIONAL STANDARD
ISO 13947

First edition
2007-02-15

Metallic powders — Test method for the determination of non-metallic inclusions in metal powders using a powder-forged specimen

Poudres métalliques — Détermination de la teneur en inclusions non métalliques dans les poudres métalliques à l'aide d'une éprouvette forgée de poudre

such that the core region contains porosity. At the magnification used for this test method, residual porosity is hard to distinguish from inclusions. Too much residual porosity makes a meaningful assessment of the inclusion population impossible.

This test method may be applied to materials that contain manganese sulfide (admixed or prealloyed), provided the near-neighbour separation distance is changed from 30 μm to 15 μm.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.


ASTM B 796-02, Standard test method for nonmetallic inclusion content of powders intended for powder forging (P/F) applications

ASTM E 3-01, Standard practice for preparation of metallurgical specimens

ASTM E 768-99, Standard practice for preparing and evaluating specimens for automatic inclusion assessment of steel

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Additional Uses of ASTM International Standards for MoU Countries

Adopted as an Identical Standard
- ASTM International standard is considered, in its entirety, to be the National Standard recognized by the National Standards Body

Adopted as an Equivalent Standard
- ASTM International standard is considered, with limited deviation, to be the National Standard recognized by the National Standards Body

“ASTM standards help us develop our national standards and are deeply utilized in industries such as construction, petroleum products and medical equipment.”
STAMEQ, Vietnam
Identical National Adoption of an ASTM standard

MALAYSIAN STANDARD

TEST METHOD FOR RATE OF BURNING AND/OR EXTENT AND TIME OF BURNING OF PLASTICS IN A HORIZONTAL POSITION (FIRST REVISION)

ICS: 83.080.01

Descriptors: plastics, test, small-scale laboratory screening, rate of burning, horizontal position

FOR SALE WITHIN MALAYSIA ONLY

This Malaysian Standard is identical to ASTM D 635-06, Standard test method for rate of burning and/or extent and time of burning of plastics in a horizontal position. Copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428, USA. Reprinted by permission of ASTM International (except for the page listing the Malaysian Standard Exceptions).

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DEPARTMENT OF STANDARDS MALAYSIA
Equivalent National Adoption of an ASTM standard

PHILIPPINE NATIONAL STANDARD

PNS ASTM C 1048:2013
(ASTM published 2012
with Amendment 1:2013)
ICS 81.040.20

Standard Specification for Heat Strengthened and Fully Tempered Flat Glass

BUREAU OF PRODUCT STANDARDS

PHILIPPINE NATIONAL STANDARD

PNS ASTM C 1048:2013
Amendment 1:2013

Amendment

This amendment to the PNS ASTM C 1048:2013 was prepared by the Bureau of Product Standards Technical Committee on Glass and Glass Products (BPS/TC 28).

<table>
<thead>
<tr>
<th>Clause/ Sub-clause</th>
<th>Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.1.11</td>
<td>Delete the whole subclause 6.1.11</td>
</tr>
<tr>
<td>11.1</td>
<td>Replace the whole text of subclause 11.1 with the following: The identification marking shall include the manufacturer’s name or trademark, and the designation of heat-strengthened or tempered, or an abbreviation such as HS or T.</td>
</tr>
<tr>
<td>11.1.2</td>
<td>Delete the whole subclause</td>
</tr>
</tbody>
</table>

Explanation

The amendment to the original text of ASTM C1048 was prepared to emphasize the requirement for permanent identification marking.
Requirements for Adoptions

- Provide ASTM written notice of the ASTM standards proposed for adoption – obtain written approval prior to adoption

- Publish adoptions (a derivative work) of ASTM Standards without, as much as possible, change to the original to maintain the integrity of the ASTM Standards
  - However, deviations are possible and must be noted

- Shall not assign or transfer any rights you have in the adoptions, nor submit or provide the ASTM Standards or the adoptions to any other standards body(s) or organizations without written consent of the ASTM President

- Provide ASTM with an electronic copy of the adoption

- Provide recognition: “This National Standard is identical to ASTM XXXX-XX, Title, Copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428, USA. Published and reprinted pursuant to license agreement with ASTM International”

- Acknowledge and agree that the adoption, enactment, reference, or incorporation of any of the ASTM Standards by any government or agency, including the national standards body, has not and will not effect, transfer, modify or alter the copyrights of the ASTM Standards in any way;

- To provide ASTM with a complete list of its adopted ASTM Standards in the Annual Report to ASTM or upon request.
Used as the Basis of a National Standard

- The ASTM International standard is reviewed by national technical experts during the development process and used as the basis of a new National Standard for the National Standards Body.

- Examples follow…

NOTE:
Although this method is authorized under the terms of the MoU, technical information used in this manner may quickly become outdated.
As the Basis of a National Standard

This national standard is based on ASTM C969...
Use of ASTM Standard for a National and Regional Standard

TRINIDAD AND TOBAGO STANDARD

COMPULSORY

SPECIFICATION FOR CEMENT

TTS/CRS 54:2016

(Replaces TTS 584-1:2002, TTS 584-2:2002 and the respective amendments)

This Trinidad and Tobago Standard is a modified adoption of the CARICOM Regional Standard CRS 54.094, Cement Specification, which is copyright protected by the CARICOM Regional Organisation for Standards and Quality (CROSQ).

This standard is intended for use by manufacturers, importers and distributors of cement. It is also intended to provide engineers and other users with the expected performance requirements of cement covered by this standard.


This standard specifies requirements for nineteen types of cement covered by ASTM C150M, ASTM C595M, ASTM C1157M and EN 197-1; these cement types, which are not exhaustive, are considered to be the most widely used hydraulic cement types used by the construction industry in the Caribbean region.

Annex A is informative and is intended to provide guidance for sampling frequencies.
Use of ASTM Standard for a National Standard

Segunda-feira, 7 de Maio de 2012
III SÉRIE - Número 18

MINISTÉRIO DA JUSTIÇA

DESPACHO

Um grupo de cidadãos enquesa a Ministra da Justiça em nome do Instituto da Propriedade Intelectual e do Registro Civil e de Família, para uma justa e eficaz resolução dos problemas que lhes acontecem.

Alguns dos desafios enfrentados, verificou-se que tais de uma estabilidade que protegeria os direitos, determinados e legalmente possíveis na área de automobilização e criação de efeitos mútuos e os requisitos exigidos por lei, ainda obstinando-se no respeito.

Visto isto, em aberto do disposto no art. 19 do Decreto de 21 de Dezembro de 2012, artigo 1º do Decreto n.º 20/2013, do Instituto de Automobilização e do Registro Civil e de Família, neste momento como pessoa jurídica a Associação Nacional de Automobilização e do Registro Civil e de Família, registando-se em 12 de Abril de 2012, — A Ministra da Justiça, Maria Batista de Lima.

Instituto Nacional de Normalização e Qualidade

AVISO
Nas sentenças da alínea ‘d’ do art. 19 do Decreto n.º 20/2013, do Instituto de Automobilização e do Registro Civil e de Família, que regem o Regulamento de Normalização e da Aclimaxação da Conformidade, tem-se–á a seguinte disposição:

Use of ASTM Standard for a National Standard

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22
Additional Uses of ASTM International Standards for MoU Countries

Consulted

- ASTM document is reviewed by national technical experts during the development process of a new National Standard for the National Standards Body
- ASTM document is reviewed by a stakeholder who visits the NSB’s Information Center to review/consider the ASTM Standard

NOTE:
Although this method is authorized under the terms of the MoU, technical information used in this manner may quickly become outdated.
The MoU Annual Report

Mauritius Standards Bureau MOU Reporting to ASTM International

Due each year on the Anniversary date of the MoU signing.

We will send an email reminder to the primary contact a month before the due date with the online link.
The ASTM-INNOQ MoU Facilitates

- Authorized use of ASTM International standards (with appropriate permission and attribution) if they meet the needs of the end users
- Enables INNOQ to use the best technical guidance based on the science in the standard, not the “brand” of the standard
- The use of high quality, universally accepted standards is a benefit to industry, regulators and patrons
- Multiple paths exist to facilitate the understanding and use of ASTM information in Mozambique
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.
Contact Information for INNOQ Questions/Issues

ASTM colleagues to contact with questions:
- Issues with submitting annual report, access to standards subscription – Courtney Hepler (chepler@astm.org)
- Details or understanding of the MoU and related documents – Weiwei Swei (wswei@astm.org)
- Details of various training programs – Jim Olshefsky (jolshefsky@astm.org)
Thank you

Teresa Cendrowska
Vice President, Global Cooperation
tcendrowska@astm.org

www.astm.org