

Submit Comments

ENTERPRISE SINGAPORE CALLS FOR PUBLIC COMMENTS – 6 APRIL 2018

Under the National Standardisation Programme, public comment is an important stage of standards development where members of the public are invited to provide feedback on draft Singapore Standards for publication and work item proposals for development and review of Singapore Standards and Technical References. The establishment of Singapore Standards are done in accordance with the World Trade Organisation's requirements for the development of national standards.

A) Notification of Draft Singapore Standards for Publication

Members of the public are invited to comment on the following documents:

Building and Construction – [Execution of steel structures and aluminium structures](#)

Chemical – [Fire safety for open plant processing facilities, sulphuric acid](#)

Electrical and Electronic – [Electrical installations](#)

For more information on viewing the documents, [click here](#).

Closing date for comments: **7 June 2018**.

To provide comments, please write to: kay_chua@enterprisesg.gov.sg.

B) Notification of New Work Item Proposals

New Work Items (NWIs) are approved proposals to develop new Singapore Standards or Technical References (pre-standards).

Members of the public are invited to comment on the scope of the new standards and contents that can be included into the following proposals:

Chemical – [Water-based gloss enamel paint](#), [water-based anticorrosive primer](#) and [water-based undercoat paint](#)

Environment and Resources – [Water heater for household use \(energy performance\)](#)

Information Technology – [IoT security for smart nation](#), [connected medical device security](#)

The NWIs are work in progress and the drafts are not available at this juncture.

Closing date for comments: **7 May 2018**.

Members of the public are invited to join as standards partners, resource members or co-opted members subject to the approval of relevant committees and working groups.

To comment or to join in the development of standards, please write to: standards@enterprisesg.gov.sg.

A) **Notification of draft Singapore Standards**

Electrical and Electronic

Revised

1. ***Code of practice for electrical installations** (Revision of SS CP 5 : 1998) (Modified adoption of BS 7671 : 2008 incorporating Amendments 1, 2 and 3)

This standard has been drawn up to ensure safety, especially from electric shock and fire in the use of electricity, and relates principally to the design, selection, erection, inspection and testing of electrical installations.

This standard is not intended to replace detailed specifications, to instruct untrained persons or to provide for every circumstance. For installations of a special or complex character, e.g. measures against electromagnetic disturbances, the advice of a suitably qualified professional engineer and consultation with the relevant authorities will be necessary.

This standard was first released for public comment from 11 August 2017 to 31 October 2017. The Working Group on Electrical Installations deliberated and addressed the comments received.

Below is a summary of the changes taking into consideration the comments received:

- Insertion of an additional formula in both 411.4.5L and 411.5.4L for completeness relating to automatic disconnection in case of a fault;
- Amendments to the clauses relating to concealed wiring to align with the Electricity (Electrical Installations) Regulation in Chapter 52;
- Insertion of a footnote "Similar installation denotes utilisation by BA1 person as indicated in Appendix 5(L)" in 530.3.3L;
- Removal of metal conduit and metallic cable management system from the types of protective conductor in 543.2.1L;
- Deletion of the last two rows of Table 54.8L as they are not applicable in local context;
- Editorial changes.

Potential users of the standard may include professional engineers, licensed electrical workers, contractors, manufacturers, suppliers, consultants, testing laboratories, academic institutions, regulators and relevant government agencies.

Building and Construction

New

2. **Execution of steel structures and aluminium structures**

***Part 1: Requirements for conformity assessment of structural components** (Modified adoption of EN 1090-1:2009+A1:2011)

This standard specifies requirements for conformity assessment of performance characteristics for structural steel and aluminium components as well as for kits placed on the market as construction products. The conformity assessment covers the manufacturing characteristics, and where appropriate the structural design characteristics.

***Part 2: Technical requirements for steel structures** (Modified adoption of EN 1090-2:2008+A1:2011)

This standard specifies requirements independent of the type and shape of the steel structure (e.g. buildings, bridges, plated or lattice components) including structures subjected to fatigue or seismic actions. The requirements are expressed in terms of execution classes.

Potential users of the standards may include consultants, contractors, professional engineers, suppliers, manufacturers, tertiary institutions, testing and accreditation bodies and regulators and relevant government agencies.

Chemical

New

3. *Code of practice for fire safety for open plant processing facilities in oil, chemical and process industries

This standard covers the layout and spacing of open plant processing facilities, drainage of spillages and firefighting water, isolation of plant, provision of means of escape, passive and active fire protection systems, and access for emergency responders and appliances.

This standard does not apply to the following:

- Atmospheric storage tank, which is usually sited away from process units;
- Pressurised storage tank;
- Cryogenic storage tank;
- Fire safety requirements for storage tanks – The requirements for atmospheric storage tanks are detailed in SS 532, "Code of practice for the storage of flammable liquids". For pressurised storage vessels, the requirements are given in NFPA 58, "Liquefied petroleum gas code".

Potential users of the standard may include oil, chemical and process industries that have open plant processing facilities (inclusive of energy and utilities facilities) and relevant government agencies.

Mature

4. Specification of sulphuric acid [SS 130 : 2001(2017)]

This standard prescribes the requirements and the methods of sampling and test for sulphuric acid.

Users of the standard include manufacturers, test laboratories, purchasers and relevant government agencies.

It is proposed classify SS 130 as a mature standard as there are no foreseeable changes to the standard. Hence, it will not be reviewed until a request is put forth to do so.

Copies of drafts and standards are available at:

***For drafts (Viewing only)**

Login to Singapore Standards eShop at: <http://www.singaporestandardseshop.sg>

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For Singapore Standards and ISO Standards (Viewing only)

All public libraries' multimedia stations and on personal internet/mobile devices (e.g. mobile phones, notebooks, tablets) at all public libraries via NLB eDatabases "Singapore and ISO Standards Collection" (refer to www.nlb.gov.sg/VisitUs.aspx for address and viewing hours)

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NOTE – The viewing period of the drafts will expire on the closing of the 2-month public comments. Drafts will no longer be available after this date.

B) Notification of New Work Item Proposals

Chemical

1. Specification for water-based gloss enamel paint

This standard applies to an air-drying water-based gloss paint for use on primed interior and exterior wood and metal surfaces.

2. Specification for water-based anticorrosive primer

This standard applies to a ready-to-use water-based paint suitable for use as a primer in the protection of iron and steel surfaces under both indoor and outdoor weathering conditions.

3. Specification for water-based undercoat paint

This standard applies to a ready-to-use air-drying water-based undercoat paint for use on primed interior and exterior wood and metal surfaces.

The proposed standards (item 1, 2 and 3) will include sustainability requirements, i.e. quantitative requirements on heavy metals and VOCs and qualitative requirements on solvents and specific hazardous substances. They are also applicable for new surfaces and re-coating of existing paint work.

Potential users of the standards may include paint manufacturers, applicators, architects and materials suppliers, testing bodies and related government agencies like NEA, BCA and HDB.

Environment and Resources

4. Water heater for household use – Method of measuring energy performance

This standard provides a uniform methodology for measuring the energy performance of water heaters. It allows energy efficiency of different types of water heaters to be compared objectively based on a uniform measurement matrix, independent of fuel type and water heating technologies.

Potential users of the standard may include water heater suppliers, testing bodies, certified M&E consulting firms and certified green mark professionals.

Information Technology

5. Technical Reference for internet of things security for smart nation

This TR provides guidelines to safeguard the confidentiality, integrity and availability of large-scale IoT systems. It is intended to help promote the development and fostering of mass adoption of secure IoT systems.

Potential users of the standard may include users who want to procure secure IoT systems, developers who want to design, develop and deploy secure IoT products and systems and operators who need to roll-out, configure, operate, maintain and de-commission IoT systems securely.

6. Technical Reference for connected medical device security

This Technical Reference (TR) defines the minimum security guidelines to secure networked medical devices to address vulnerability and risk which may have impact to patients' safety and loss of confidential information.

Potential users of the standard may include hospitals, clinics and other users who want to procure secure connected medical devices, developers who want to design, develop and deploy secure connected medical devices, and operators who need to roll-out, configure, operate and maintain connected medical devices securely.

Copies of the drafts are not available at this juncture.

Submit Comments

Frequently asked questions about public comment on Singapore Standards:

1. What is public comment?

Singapore Standards are established based on an open system which is also in accordance with the World Trade Organisation requirements. These documents are issued as part of a consultation process before any standards are introduced or reviewed. This important stage in the development of Singapore Standards is the Public Comment period. This mechanism helps industry, companies and other stakeholders be aware of forthcoming changes to Singapore Standards and provide them with an opportunity to influence, before their publication, the standards that have been developed by their industry and for their industry.

2. How does public comment benefit me?

This mechanism:

- ensures that your views are considered and gives you the opportunity to influence the content of the standards in your area of expertise and in your industry;
- enables you to be familiar with the content of the standards before they are published and you stand to gain a competitive advantage with this prior knowledge of the standards.

3. Why do I have to pay for the standards which are proposed for review or withdrawal?

These standards are available for **free viewing** at Toppan Leefung Pte Ltd and all public libraries. However, the normal price of the standard will be charged for those who wish to purchase a copy. At the stage where we propose to review or withdraw the standards, the standards are still current and in use. We seek comments for these standards so as to:

- provide an opportunity for the industry to provide inputs for the review of the standard that would make the standard suitable for the industry's use,
- provide feedback on the continued need for the standard so that it will not be withdrawn,

4. What happens after I have submitted my comments?

The comments will be channelled to the relevant standards committee for consideration and you will be informed of the outcome of the committee's decision and you may be invited to meet the committee if clarification is required on your feedback.

5. Can I view drafts after the public comment period?

Drafts will not be available after the public comment period.

6. How do I request for the development of a new standard?

You can propose the development of a new standard [here](#).