Click here to get the public comment form. Comments will only be accepted via this form.

ENTERPRISE SINGAPORE CALLS FOR PUBLIC COMMENTS ON SINGAPORE STANDARDS – 3 JANUARY 2025

Under the National Standardisation Programme, the public comment period is an important stage of standards development. 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 is done in accordance with the World Trade Organisation's requirements for the development of national standards.

A) Notification of Draft Singapore Standard for Publication

Members of the public are invited to comment on the following Singapore Standards:

Electrical and Electronic – smart grids (2 standards), polyvinyl chloride insulated cables

Information Technology – data protection trustmark, IT equipment energy efficiency

Closing date for comments: **4 March 2025**

For more information on viewing the document, click here.

Please submit comments to: standards@enterprisesg.gov.sg.

B) Notification of Work Item Proposals

B.1 Proposal for New Work Items

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

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:

Building and Construction – testing of soil

Electrical and Electronic – smart grids

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

Closing date for comments: **4 February 2025**

B.2 Proposal for the Review of Singapore Standards

Published Singapore Standards and Technical References are reviewed to determine if they should be updated, confirmed or withdrawn (if they no longer serve the industry's needs) or classified as mature standards (no foreseeable changes; to be reviewed only upon request).

Members of the public are invited to comment on the following standards to be reviewed:

Building and Construction – aluminium alloy windows

Food – food safety management systems

Information Technology – multi-tiered cloud computing security

The reviews are ongoing, and the new version/drafts are not available at this juncture. Users can refer to the current standards to provide feedback. Click here to view or purchase the standards.

Closing date for comments: **4 February 2025**

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

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

A) Notification of Draft Singapore Standard for Publication

(I) Electrical and Electronic

New

1. **Energy management system application program interface (EMS-API) – Part 1: Guidelines and general requirements** (Identical adoption of IEC 61970-1:2005)

   This standard provides a set of guidelines and general infrastructure capabilities required for the application of the EMS-API interface standards. This standard describes typical integration scenarios where these EMS-API standards are to be applied and the types of applications to be integrated.

   A reference model is defined to provide a framework for the application of the other parts of these EMS-API standards. This reference model is based on a component architecture that places the focus of the standards on component interfaces for information exchange between applications in a control centre environment. While the primary objective of the EMS-API is to support the integration of applications within the control centre, the reference model also applies to information exchanges between control centre applications and systems external to the control centre environment, such as other control centres, independent system operators, regional transmission organisations and distribution systems.

2. **Application integration at electric utilities – System interfaces for distribution management – Part 1: Interface architecture and general recommendations** (Identical adoption of IEC 61968-1:2020)

   This standard identifies and establishes recommendations for standard interfaces based on an interface reference model (IRM). This standard is limited to the definition of interfaces. The interfaces enable interoperability among different computer systems, platforms and languages.

   Users of these standards on smart grids include testing and inspection companies, substation equipment manufacturers and suppliers, substation contractors and service providers, training providers, institutes of higher learning and relevant government agencies.

Revision

3. **Specification for polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 3: Non-sheathed cables for fixed wiring** (Revision of SS 358-3:2019) (Modified adoption of IEC 60227-3:2024)

   This standard specifies the standards for polyvinyl chloride insulated single-core non-sheathed cables for fixed wiring of rated voltages up to and including 450/750 V. It provides the requirements for non-sheathed cables for fixed wiring which apply in addition to the appropriate requirements specified in SS 358-1, which apply to all cables.

This standard has been revised to add new data points for nominal cross-sectional area of conductor due to national requirements and the needs of the local industry.

Users of the standard include cable manufacturers and suppliers, architects, engineers, contractors, consultants, testing bodies, and relevant government agencies.

(II) *Information Technology*

New

4. Data protection trustmark

The current Data Protection Trustmark (DPTM) Certification Framework was developed in 2019. The framework was aligned with Singapore's Personal Data Protection Act and incorporated international benchmarks and best practices. This standard is based on the DPTM and is intended to help organisations assess the four key principles of personal data protection:

1) Governance and transparency;
2) Management of personal data;
3) Care of personal data; and
4) Individuals' rights

Users of the standard include organisations handling personal data.

5. Energy efficiency of data centre IT equipment

This standard establishes a set of benchmarks and procedures to ensure that information technology (IT) equipment deployed in data centres are done so in an energy efficient manner.

It sets out the energy efficiency requirements as well as deployment and policy guidelines for data centres to reduce energy consumed by IT equipment.

Users of the standard include data centre consultants, end-users procuring IT equipment for deployment and sustainability officers looking to optimise operations.

Copies of the draft are available at:

Viewing from Singapore Standards eShop
Login to Singapore Standards eShop at: www.singaporestandardseshop.sg
[Login ► Go to Standards (3 bars for mobile users) ► Singapore Standards ► View Singapore Standards ► Under Product Type select 'All' ► Under Product Status select 'Draft'

Viewing Singapore Standards from Public Libraries
Singapore Standards are viewable multimedia stations at all Public Libraries via NLB databases "Singapore Standards Collection" at https://reference.nlb.gov.sg/guides/sci-tech/tech/standards-and-references/ Please refer to https://www.nlb.gov.sg/main/visit-us for address and viewing hours.

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NOTE – The viewing period of the draft and standard will expire on the closing of the public comment period and will no longer be available after this date.

B) Notification of the Work Item Proposals

B.1 Proposal for New Work Items

(I) *Building and Construction*

1. Geotechnical investigation and testing – Laboratory testing of soil

Part 1: Determination of water content (Adoption of ISO 17892-1:2014)

Part 2: Determination of bulk density (Adoption of ISO 17892-2:2014)

Part 3: Determination of particle density (Adoption of ISO 17892-3:2015)

Part 4: Determination of particle size distribution (Adoption of ISO 17892-4:2016)

Part 5: Incremental loading oedometer test (Adoption of ISO 17892-5:2017)

Part 6: Fall cone test (Adoption of ISO 17892-6:2017)

Part 7: Unconfined compression test (Adoption of ISO 17892-7:2017)

Part 8: Unconsolidated undrained triaxial test (Adoption of ISO 17892-8:2018

Part 9: Consolidated triaxial compression tests on water saturated soils (Adoption of ISO 17892-9:2018)

Part 10: Direct shear tests (Adoption of ISO 17892-10:2018)

Part 11: Permeability tests (Adoption of ISO 17892-11:2019)

Part 12: Determination of liquid and plastic limits (Adoption of ISO 17892-12:2018)

The 12 parts of this standard outline methods for laboratory testing of soils to determine their physical and mechanical properties. They provide standardised procedures for tests such as soil classification, density, permeability, shear strength and consolidation.

This series is adopted with the intention to align with latest industry practices and the Eurocodes.

Users of the standard include construction companies, testing bodies, consultants and relevant government agencies.

(II) *Electrical and Electronic*

2. Application integration at electric utilities – System interfaces for distribution management – Part 2: Glossary (Identical adoption of IEC TS 61968-2:2011)

This standard identifies and establishes recommendations for standard interfaces based on an IRM. This standard is limited to the definition of interfaces. The interfaces provide for interoperability among different computer systems, platforms, and languages.

Users of the standard include testing and inspection companies, substation equipment manufacturers and suppliers, substation contractors and service providers, training providers, institutes of higher learning and relevant government agencies.

B.2   Proposal for the Review of Singapore Standards

(I)   Building and Construction

1.   Specification on aluminium alloy windows (SS 212:2007)

This standard specifies materials, construction, finishes, hardware and performance standards for aluminium alloy windows.

The standard is reviewed with the intention to update the standard with the latest international standards and industry practices,.

Users of the standard include architects, consultants, window contractors, manufacturers and suppliers, testing bodies, training providers and relevant government agencies.

(II)   Food

2.   HACCP-based food safety management systems – Requirements for any organisations in the food chain (SS 590:2013)

This standard specifies the requirements for a HACCP-based food safety management system (FSMS) and is for use in the set up and audit of an operational FSMS. It covers any food organisation in the food chain which includes but is not limited to the following activities: sourcing, preparation, processing, manufacturing, packaging, storage, transportation, distribution, handling or offering for sale or supply in any sector of the food chain. The requirements are applicable to all food organisations that wish to design and implement an effective FSMS, regardless of type, size, product and complexity.

The standard is reviewed with the intention to update it.

Users of the standard include food suppliers, manufacturers and retailers, hotels, caterers, food service providers (e.g. consultancy and training providers), certification bodies and institutes of higher learning.

(III)   Information Technology

3.   Specification for multi-tiered cloud computing security (SS 584:2020)

The multi-tier cloud security (MTCS) standard is designed to enhance cloud security by describing relevant cloud computing security practices and implementing controls. The standard provides a structured approach by categorising security requirements into three distinct tiers, with each tier corresponding to a different level of security assurance, to address specific risk levels and operational needs.

This standard is reviewed with the intention to update and ensure the MTCS remains relevant and comprehensive in view of rapid technological advancements and the evolving cyber threat landscape. This update will also include the introduction of a new category, "cyber resilience", to address a broader set of resilience risks faced by cloud service providers (CSPs).

Users of the standard include CSPs, auditors, and certification bodies.

Submit Comments

Frequently asked questions about public comment on Singapore Standards:

1.   What is the public comment on Singapore Standards?

Singapore Standards are established based on an open system which is also in accordance with the requirements of the World Trade Organisation. These documents are issued as part of a consultation process before any standards are introduced or reviewed. The public comment period is an important stage in the development of Singapore Standards. This mechanism helps industry, companies and other stakeholders to be aware of forthcoming changes to Singapore Standards and provides 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 on Singapore Standards 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.   Why are comments only accepted through the new public comment form provided by Enterprise Singapore?

We have developed a new public comment form which will enable users to submit their comments in a standardised and structured manner. The Working Group (WG) that will be reviewing the comments will have a better understanding of what the commenter has proposed, the rationale for the changes and where these changes will be made in the standard. This will assist the WG in addressing the comments more effectively.

5.   What happens after I have submitted my comments?

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

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

Drafts will not be available after the public comment period.

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

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