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ENTERPRISE SINGAPORE CALLS FOR PUBLIC COMMENTS – 6 APRIL 2023

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 Standards for Publication

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

Biomedical and Health – [point-of-care testing](#)

Building and Construction – [industry foundation classes](#), [cleaning performance](#) (3 standards)

Electrical and Electronic – [luminaire performance](#)

Quality and Safety – [occupational health and safety management](#) (2 standards), [domestic LPG cooker systems](#), [portable gas appliances](#)

Closing date for comments: **7 June 2023**

For more information on viewing the documents, [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:

Electrical and Electronic – [communication networks and systems in power utility automations](#) (2 standards)

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

Closing date for comments: **8 May 2023**

B.2 Proposal for the Review of Singapore Standard

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Singapore Standards and Technical References are reviewed to determine if they should be updated, confirmed or withdrawn (if they no longer serve the industry's needs) or classified as mature standards (no foreseeable changes; to be reviewed only upon request).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

Building and Construction – [portable fire extinguishers](#)

The review is ongoing, and the new version/draft is not available at this juncture. Users can refer to the current standard to provide feedback. [Click here](#) to view or purchase the standard.

Closing date for comments: **8 May 2023**

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 Standards for Publication

(I) Biomedical and Health

Withdrawal

- 1. Point-of-care testing (POCT) – Requirements for quality and competence (SS ISO 22870:2017)**

This standard is proposed for withdrawal as it will be replaced by SS ISO 15189:2022, “Medical laboratories – Requirements for quality and competence”.

(II) Building and Construction

New

- 2. Industry foundation classes (IFC) for data sharing in the construction and facility management industries – Part 1: Data schema (Identical adoption of ISO 16739-1:2018)**

This standard includes terms, concepts and definitions that cover data required for buildings over their life cycle. It specifies a data schema (defined in EXPRESS data specification language and XML Schema definition language) and an exchange file format structure. These data are exchanged and shared among software applications used in the construction and facilities management industry sector.

Potential users of the standard include architects, consultants, engineers and practitioners from the architecture, engineering, construction, and facility management (AEC/FM) industry.

NOTE – As the draft is only available in HTML format, please write to singaporestandardseshop@toppanleefung.com if you would like to access the draft.

Withdrawal

- 3. Cleaning service industry – Cleaning performance for commercial premises (SS 499:2015)**
- 4. Cleaning performance for public housing estates (SS 533:2015)**
- 5. Guidelines for cleaning performance of retail food and beverage (F&B) premises (SS 610:2016)**

The standards on cleaning performance for commercial, public housing estates and retail F&B premises are recommended for withdrawal as they have been replaced by SS 694:2023, “Code of practice for the measurement of cleaning performance for commercial, residential estates and retail F&B premises”.

(III) **Electrical and Electronic**

Revision

6. **Luminaire performance – Part 2-1: Particular requirements for LED luminaires** (SS IEC 62722-2-1:2015) (Identical adoption of IEC 62722-2-1:2023)

This standard specifies the performance requirements for LED luminaires, together with test methods and conditions. It applies to LED luminaires for general lighting purposes.

Users of the standard include lighting manufacturers, suppliers, lighting consultants, contractors, test labs and relevant government agencies.

(IV) **Quality and Safety**

New

7. **Occupational health and safety management systems – General guidelines for the implementation of ISO 45001:2018** (Identical adoption of ISO 45002:2023)

This standard sets out provisions for the establishment, implementation, maintenance and continual improvement of an occupational health and safety (OH&S) management system that can help organisations conform to SS ISO 45001:2018, “Occupational health and safety management systems – Requirements with guidance for use”.

It is applicable to organisations of all sizes and sectors.

8. **Occupational health and safety management – Guidelines on performance evaluation** (Identical adoption of upcoming ISO 45004)

This standard sets out provisions for the assessment of OH&S performance, through the selection and use of performance evaluation processes and indicators, and by monitoring, measuring, analysing, and evaluating data obtained. It enables organisations to determine if intended results are being achieved, including continual improvement of OH&S performance.

It is applicable to organisations of all sizes and sectors.

NOTE 1 – Draft SS ISO 45004 is currently based on the Draft International Standard but the final adoption will be based on the published ISO standard, which is targeted to be published in 2023.

NOTE 2 – Comments received will be considered by the national committee responsible for Singapore's inputs to the ISO standards and where appropriate, taken on for international consideration.

9. **Specifications for connecting joints used in domestic liquefied petroleum gas (LPG) cooker systems**

This standard specifies requirements and recommendations for connecting fuel inlets to domestic gas cookers that use LPG. It also covers the requirements for the connecting joints and fittings, as well as best practices for installation and servicing i.e. when replacing LPG cylinders.

Potential users of the standard include TIC bodies, LPG and gas cooker suppliers, service providers, manufacturers, and those involved in the design, installation, operation and maintenance of domestic gas cooker systems, relevant industry associations and government agencies.

Revision

10. **Specification for portable gas appliances – General specifications and test methods** (Revision of SS 401:1997) (Modified adoption of JIS S 2147:2017)

This standard specifies requirements for the portable appliances used with a canister filled with LPG which is built into the appliance either as one of its components or accessories.

Requirements for canisters are specified in SS 400, "Specification for liquefied petroleum gas and non-refillable gas canisters for portable gas appliances" (currently under review).

Users of the standard include manufacturers and suppliers of portable gas appliances and canisters, TIC bodies and relevant government agencies.

Copies of the drafts and standards 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 and ISO Standards from Public Libraries

All Public Libraries' multimedia stations and on personal internet/mobile devices (e.g. mobile phones, notebooks, tablets) at all Public Libraries via NLB databases "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 and standards will expire on the closing of the public comment period and will no longer be available after this date.

B) Notification of Work Item Proposals

B.1) Proposal for New Work Items

Electrical and Electronic

- 1. Technical reference – Communication networks and systems in power utility automations – Part 90-16: Requirements of system management for Smart Energy Automation** (Identical adoption of IEC TR 61850-90-16:2021)

This standard specifies the mechanisms for the system management of Smart Grid Devices as IEC 61850 equipment in power utility automation as well as telecommunication and cybersecurity equipment.

- 2. Technical reference – Communication networks and systems for power utility automation – Part 90-17: Using IEC 61850 to transmit power quality data** (Identical adoption of IEC TR 61850-90-17:2017)

This standard provides a way of exchanging power quality data between instruments which functions include measuring, recording and monitoring power quality phenomena in power supply systems, with clients using them in a way that is compliant to the concepts of IEC 61850.

Potential users of the electrical and electronic standards include TIC bodies, substation equipment suppliers & manufacturers, substation contractors & service providers, training providers, institutes of higher learning and relevant government agencies.

B.2) Proposal for the Review of Singapore Standard

Building and Construction

Portable fire extinguishers – Additional requirements to SS EN 3-7 for the construction, resistance to pressure and mechanical tests for extinguishers with a maximum allowable pressure equal to or lower than 30 bar [(SS EN 3-8:2012(2020) (Identical adoption of EN 3-8:2006)]

Equal to or lower than 30 bar

This standard specifies the rules of design, type testing, fabrication and inspection control of portable fire extinguishers manufactured with metallic bodies as far as pressure risk is concerned.

This standard applies to portable fire extinguishers of which the maximum allowable pressure PS is lower than or equal to 30 bar and containing non-explosive, non-flammable, non-toxic and non-oxidising fluids. It also applies to the metallic gas cartridge of a volume less than 0.12 l and gives guidance for sound engineering practice for metallic gas cartridges equal to or greater than 0.12 l and less than 0.5 l.

Users of the standard include manufacturers, suppliers, certification bodies, fire safety managers, and service providers for portable fire extinguishers.

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](#).