ENTERPRISE SINGAPORE CALLS FOR PUBLIC COMMENTS – 2 SEPTEMBER 2022

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:

   Building and Construction – thermal actions on structures

   Food – nutrition and food service for infants and children

   Manufacturing – OPC unified architecture (6 standards)

   Services – training senior learners

For more information on viewing the documents, click here.

Closing date for comments: **3 November 2022** (except for the standards on OPC unified architecture which close on **24 November 2022**)

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

B)   Notification of New Work Items

B.1   Proposals 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 standard and contents that can be included into the following proposal:

   Chemical – biofuels specification for marine application

The NWI is work-in-progress, and the draft is not available at this juncture.

Closing date for comments: **16 September 2022**

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Singapore Standards and Technical References are reviewed to determine if they should be updated, confirmed or withdrawn (if they no longer serve the industry's needs) or classified as mature standards (no foreseeable changes; to be reviewed only upon request).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 – water closets (2 standards), concrete (2 standards)

   Manufacturing – OPC unified architecture (2 standards)

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: **3 October 2022**

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 kay_chua@enterprisesg.gov.sg.

A)   Notification of Draft Singapore Standards for Publication

(I)   *Building and Construction*

Confirmation

1.   **Eurocode 1 : Actions on structures – Part 1-5 : General actions – Thermal actions** (SS EN 1991-1-5:2009(2015)) and its National Annex (NA to SS EN 1991-1-5:2009(2015))

This standard gives principles and rules for calculating thermal actions on buildings, bridges and other structures including their structural elements. Principles needed for cladding and other appendages of buildings are also provided.

The National Annex to SS EN 1991-1-5:2009(2015)) is confirmed with amendment. The amendment is to update the thermal actions specified in the current NA in consideration of the latest research including that from future climate changes.

Users of the standard include consultants, contractors, developers, professional engineers, suppliers/manufacturers, tertiary institutions, testing bodies, accreditation bodies and relevant government agencies.

(Click here to download the amendment).

(II)   *Food*

New

2.   **Guidelines for nutrition and food service for infants and children**

This standard specifies recommended practices to all care centres and organisations that provide food for infants and children. It covers guidelines in the following areas:

(a)   Food safety, hygiene and quality practices;
(b)   Food intolerances, hypersensitivities and allergies management;
(c)   Nutrition care policy;
(d)   Food service practices;
(e)   Menu planning;
(f)   Food selection, preparation and portioning.

Potential users for this standard include pre-schools (e.g. infant care centres, childcare centres, and kindergartens), student care centres, primary school canteens, commercial catering services that supply food to the infants and children, and relevant government agencies.

(III) _Manufacturing_

Revision

3. **OPC unified architecture**

Part 3: Address space model (Revision of SS IEC 62541-3:2019) (Identical adoption of IEC 62541-3:2020)

This standard describes the OPC UA address space and its objects. It is the OPC UA meta model on which OPC UA information models are based.

Part 4: Services (Revision of SS IEC 62541-4:2019) (Identical adoption of IEC 62541-4:2020)

This standard defines the OPC UA services. The services described are the collection of abstract remote procedure calls (RPC) that are implemented by OPC UA servers and called by OPC UA clients.

Part 5: Information model (Revision of SS IEC 62541-5:2019) (Identical adoption of IEC 62541-5:2020)

This standard defines the information model of the OPC UA. The information model describes standardised nodes of a server's address space. These nodes are standardised types as well as standardised instances used for diagnostics or as entry points to server-specific nodes.

Part 6: Mappings (Revision of SS IEC 62541-6:2019) (Identical adoption of IEC 62541-6:2020)

This standard specifies the OPC UA mapping between the security model, the abstract service definitions, the data structures and the physical network protocols that can be used to implement the OPC UA specification.

Part 7: Profiles (Revision of SS IEC 62541-7:2019) (Identical adoption of IEC 62541-7:2020)

This standard describes the OPC UA profiles. The profiles in this document are used to segregate features with regard to testing of OPC UA products and the nature of the testing (tool-based or lab-based).

Part 8: Data access (Revision of SS IEC 62541-8:2019) (Identical adoption of IEC 62541-8:2020)

This standard defines the information model associated with data access.

Users of the standards include system integrators, government agencies, testing, inspection and certification bodies, professional institutions, companies, institute of higher learning and training providers.

NOTE –

1. The drafts on OPC unified architecture will be issued from **23 September to 24 November 2022** subject to the approval by the Technical Committee.

2. See also item B3 below.

(IV) _Services_

New

4. **Geragogy guidelines on training senior learners**

This standard provides guidance to persons, in particular trainers, involved in coaching and training seniors on how they can alleviate the learning barriers for senior learners for a more effective and fruitful interactive engagement. It covers the following:

(a) Common learning characteristics of senior learners and the strategies that cater to the corresponding needs.

(b) General strategies to adopt when preparing for and conducting training programmes for senior learners.

(c) Desirable characteristics and disposition of the trainer.

The standard is relevant in both formal and informal settings, and applicable for both physical and online programmes with interactive learning. It is applicable for interactive engagements and programmes targeted at senior learners and can be used as a reference for trainers to interact better with senior learners. This standard can also be used as an introductory resource to prepare individuals for positions requiring interactive engagement with seniors.

Potential users of the standard include training partners, healthcare service providers, institutes of higher learning, community service providers, training providers or organisations that engage seniors, 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
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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

Chemical

1.   Workshop Agreement (WA) – Biofuels specification for marine application

The WA is intended to cover the quality specifications for bio distillate marine fuels and bio residual marine fuels and the corresponding test method and the limit for each parameter.

Potential users of this WA may include local bunker suppliers, buyers, traders, oil majors, testing bodies, associations and institutes of higher learnings as well as relevant government bodies.

Interested parties or experts in the bunkering industry are encouraged to participate in the workshops to contribute to the drafting of the Workshop Agreement. Details and registration for the workshops can be found here. Closing date of registration is 13 September 2022.

The closing date for comments for this WA will be **16 September 2022**.

B.2)   Proposal for the Review of Singapore Standards

(I)   Building and Construction

1.   Specification for dual flush low capacity water closet (WC) up to 4.5/3.0 litres capacity

Part 1: WC flushing cisterns (SS 574-1:2012)

Part 2: WC pans (SS 574-2:2012)

These standards are being reviewed to align their provisions to the latest requirements on flush volumes (from 4.5 L to 4.0 L), tighten the requirements for WC flushing effectiveness, review existing requirements to improve user experience in the operation of WC flushing cisterns and to introduce new requirements to facilitate the industry for installation and retrofitting purposes.

Users of the standard include manufacturers, suppliers, test laboratories, professional engineers, licensed water service plumbers and qualified persons for building projects.

2.   Concrete – Complementary Singapore Standard to SS EN 206

Part 1 : Method of specifying and guidance for the specifier (SS 544-1:2019+A1:2021)

Part 2: Specification or constituent materials and concrete (SS 544-2:2019+A1:2021)

These standards are being reviewed to include specifications and, where appropriate, inclusion of mineralisation of carbon dioxide for concrete and aggregates to be used by accredited testing labs to demonstrate that carbon dioxide injected concrete and aggregates meet the performance criteria.

Users of the standard include consultants, contractors, developers, professional engineers, suppliers/manufacturers, tertiary institutions, testing bodies, accreditation bodies and relevant government agencies.

(II)   Manufacturing

3.   OPC unified architecture

Part 1: Overview and concepts (TR IEC/TR 62541-1:2019)

This standard presents the concepts and overview of the OPC Unified Architecture (OPC UA). It helps users to understand the remaining parts of this series. Each of the other parts is briefly explained along with a suggested reading order.

Part 2: Security model (TR IEC/TR 62541-2:2019)

This standard describes the OPC UA security model.

The TRs are being reviewed with the intention to update them as the international standards from which they were adopted have undergone revision, and have been replaced by newer editions.

NOTE – See also item A4 above.

Users of the standard include system integrators, government agencies, testing, inspection and certification bodies, professional institutions, companies, institutes of higher learning and training providers.

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.