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ENTERPRISE SINGAPORE CALLS FOR PUBLIC COMMENTS – 6 AUGUST 2021

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 Standard documents:

Biomedical and Health – [medical face masks](#), [medical devices](#) (2 standards)

Building and Construction – [supervision of structural works](#)

Chemical – [emulsion paint for decorative purposes](#)

Electrical and Electronic – [earthing and bonding clamps](#)

Information Technology – [stored value card](#), [smart card reader application program interface](#), [content exchange metadata and taxonomy](#)

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

Closing date for comments: **7 October 2021** (except for the standards on medical devices and face medical masks which will close on **14 October 2021**).

Please submit comments 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:

Building and Construction – [cyber-physical systems for buildings](#)

Chemical – [bunker supply chain](#), [industrial gas cylinders](#)

Food – [nutrition and food service for children](#)

Services – [e-commerce transactions](#)

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

Closing date for comments: **7 September 2021**.

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

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) Biomedical and Health

Revision

1. Medical face masks – Part 3 : Standard specification for performance of materials used in medical face masks (Revision of SS 669 : Part 3 : 2020) (Identical adoption of ASTM F2100-20)

This standard covers the classifications, performance requirements, and test methods for the materials to construct medical face masks that are used in health care services such as surgery and patient care. Medical face mask material performance is based on testing for bacterial filtration efficiency, differential pressure, sub-micron particulate filtration efficiency, resistance to penetration by synthetic blood, and flammability.

This standard does not address all aspects of medical face mask design and performance, the effectiveness of medical face mask designs as related to the barrier and breathability properties, and respiratory protection, which may be necessary for some health care services.

Potential users of the standard include medical mask manufacturers, medical professionals, researchers, testing, inspection and certification bodies, and relevant government agencies.

Confirmation

2. Good distribution practice for medical devices – Requirements (SS 620 : 2016)

This standard specifies requirements for the handling, storage, delivery, installation, servicing, secondary assembly of medical devices including in-vitro diagnostic devices. It also covers related activities like warehousing, logistics and freight forwarding services. It establishes the fundamental requirements that are to be met in order to ensure the quality and integrity of medical devices that are being imported and distributed in Singapore. The core elements of this standard focus mainly on the medical device import and distribution related activities.

Potential users of the standard include importers, suppliers and wholesalers of medical devices and relevant government agencies.

3. Medical devices – Quality management systems – Requirements for regulatory purposes (SS ISO 13485 : 2016) (Identical adoption of ISO 13485 : 2016)

This standard specifies requirements for a quality management system where an organisation needs to demonstrate its ability to provide medical devices and related services that consistently meet customer and applicable regulatory requirements. Such organisations can be involved in one or more stages of the life-cycle, including design and development, production, storage and distribution, installation, or servicing of a medical device and design and development or provision of associated activities (e.g. technical support). This standard can also be used by suppliers or external parties that provide product, including quality management system-related services to such organisations.

Potential users of the standard include medical device manufacturers, inspection and certification bodies, companies involved in the supply chain of medical devices, and relevant government agencies.

NOTE – The above three standards on medical devices and face masks are scheduled to be issued on 13 August 2021 subject to the approval by the Technical Committee. The closing date for comment will be **14 October 2021**.

(II) **Building and Construction**

Revision

4. **Code of practice for supervision of structural works (SS 515 : 2005)**

This standard covers the supervision of shallow foundations, piling works, in-situ concrete, precast concrete, prestressing of concrete, structural steelworks and structural timber.

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

(III) **Chemical**

Revision

5. **Specification for emulsion paint for decorative purposes (SS 150 : 2015)**

This standard applies to a ready-for-use, air drying emulsion, flat finish for interior walls and ceilings. The paint is applied on masonry surfaces including concrete, bricks, stucco, concrete block, cement sheets and sidings and on suitably primed metal and wood surfaces. The recoating of previously painted surfaces which are in a sound condition and suitable for receiving such a coating is also covered by this standard. Although the paint is supplied in a ready-for-use condition, thinning of up to 20 percent by volume with water is allowed, if necessary, only for application for first coat.

Users of the standard include paint manufacturers, suppliers, test laboratories, contractors, applicators, architectural associations, consultants, facilities managers, property managers, building surveyors and relevant government agencies.

(IV) **Electrical and Electronic**

Mature standard

6. **Specification for earthing and bonding clamps (SS 322 : 2015)**

This standard specifies performance and mechanical requirements for clamps used to provide mechanically and electrically sound means of earthing and/or bonding. These are primarily intended for use in electrical installations for the connection of:

- earthing conductors, having a cross-sectional area in the range 2.5 mm² to 70 mm², to earth electrode rods or other means of earthing;
- bonding conductors to metal tubes of circular cross-section that have circumferences of not less than 18.8 mm (i.e. diameters of not less than 6 mm).

Users of the standard include testing, inspection and certification bodies, industry associations, professional bodies, suppliers, manufacturers, academic institutions and government agencies/authorities.

It is proposed to classify SS 322 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.

(V) **Information Technology**

Mature standard

7. **Stored value card application [SS 468 : 1999 (2012)]**

This standard defines the command set used for stored valued card applications within Singapore, and is used by the issuers of these stored value cards.

It is proposed to classify SS 468 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.

Withdrawal

8. Smart card reader application program interface (API) [SS 467: 2002 (2012)]

This standard describes the dynamic link library (DLL) routines and functions that are supported by the software driver for a smart card reader. It is applicable to smart card reader suppliers, and application developers who need to develop software that operates with these readers.

This standard is proposed for withdrawal as it is now obsolete, with no known users currently. Users may refer to the prevalent industry specification PC/SC (Personal Computer/Smart Card) for smart card readers.

9. Content exchange metadata standards for the education sector

Part 1: Metadata standards [SS 526 : Part 1 : 2006 (2014)]

This standard details the metadata elements and element refinements of content exchange metadata standards.

Part 2: Taxonomy standards [SS 526 : Part 2 : 2006 (2014)]

This standard provides the encoding schemes referenced in the element description specific to content exchange metadata standards.

The standards on metadata and taxonomy are proposed for withdrawal as they are outdated, with no known users currently. If required, users may wish to refer to current industry specifications for e-learning systems.

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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Viewing Singapore Standards and ISO Standards from National Libraries

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 and standards will expire on the closing of the public comment period and will no longer be available after this date.

B) Notification of New Work Item Proposals

(I) Building and Construction

1. Technical Reference – Securing the cyber-physical systems for buildings

This standard aims to provide cybersecurity guidance and/or best practices for building owners to secure their building management systems and other automated controls incorporated in the buildings for the health, safety and well-being of the occupants and visitors.

Potential users include the public and private organisations from various sectors such as transport, utilities, government, and services.

(II) Chemical

2. Electronic documentation and processes for tracking fuel quantity and quality across bunker supply chain

This standard sets out the framework of the platform in which digital technology will be used to attest the authenticity and provenance of electronic documentation on bunker fuel quality and quantity at each custody transfer point in the bunker supply chain. Other key data and information of bunker transactions and inventory can also be recorded alongside these documents on the digital platform to facilitate traceability. This standard also covers the processes and requirements for systems interoperability, documentation, security of information, stakeholder accountability and accessibility to the custody transfer data and information generated along the physical bunker supply chains.

Potential users of the standard include bunker suppliers, oil traders, oil terminals, bunker buyers, bunker surveyors, bunker fuel testing bodies, digital service providers, financial institutions, industry association for shipping, industry association for banks, and relevant government agencies.

3. Code of practice for handling and usage of industrial gas cylinders at workplace

This standard sets out provisions for the safe handling, stowage and in-process usage of gas cylinders at industrial workplaces regardless of whether it is situated at ground level, multi-level or underground. It also sets out the provisions for the transport of filled and spent gas cylinders between the gas manufacturers' site and their customer storage area.

Potential users of the standard include gas manufacturers, mechanical and chemical engineers, and end-users of gas cylinders in their business operations (such as semiconductor and pharmaceuticals), institutes of higher learning and the construction industry, as well as relevant government agencies.

(III) Food

4. Nutrition and food service for children

This standard sets out provisions for care facilities and organisations that provide food for children, and covers the following areas:

- nutritional care policies and quality practices;
- food service standards;
- hygiene practices;
- menu planning;
- food preparation and portioning;
- various dietary requirements (e.g. vegetarian, G6PD) and food precautions (e.g. choking, intolerances and allergies).

Potential users for this standard include care facilities, pre-schools, primary schools, school-based care facilities, food caterers and F&B industry that supply food to the children, and relevant government agencies.

(IV) **Services**

5. Amendment No. 1 to Guidelines for e-commerce transactions (TR 76 : 2020)

This amendment introduces scam prevention measures that the e-retailers and e-marketplaces should implement to ensure that online transactions are processed and completed in a reasonable, safe and secure manner.

This amendment includes guidance to:

- ensure merchant authenticity through greater due diligence by the e-marketplaces;
- improve transaction security with the use of escrow payments and maintaining transaction records; and
- improve the e-commerce scam victims' loss remediation experience by encouraging the e-marketplaces and e-retailers to implement a dispute resolution mechanism.

Those who may be interested in the Amendment include the e-marketplaces, e-retailers and relevant government agencies.

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](#).