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## **ENTERPRISE SINGAPORE CALLS FOR PUBLIC COMMENTS – 2 JULY 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 – [sterilisation of health care products](#)

Building and Construction – [gully and manhole tops](#), [safety management system for construction worksites](#), [indoor air quality for air-conditioned buildings](#), [fire hydrant, rising mains and hose reel systems](#)

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

Closing date for comments: **3 September 2021** (except for the amendment on air-conditioning and mechanical ventilation which will close on **29 July 2021**)

Please submit comments to: [kay\\_chua@enterprisesg.gov.sg](mailto:kay_chua@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 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 – [mechanical, electrical and plumbing design guidelines for healthcare facilities](#)

Information Technology – [data centre IT equipment](#)

Quality and Safety – [asset management](#), [open water sport safety](#)

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

Closing date for comments: **3 August 2021**.

Please submit comments to: [kay\\_chua@enterprisesg.gov.sg](mailto:kay_chua@enterprisesg.gov.sg).

## **B.2 Proposal for the Review of Singapore Standards**

Published Singapore Standards are reviewed to determine if they should be updated, confirmed or withdrawn (if they no longer serve the industry's needs) or classified as mature standards (no foreseeable changes; to be reviewed only upon request).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

Biomedical and Health – [distribution practice for medical devices](#)

Quality and Safety – [asset management](#)

The reviews are ongoing and the new versions/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: **3 August 2021**.

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](mailto:kay_chua@enterprisesg.gov.sg).

### **A) Notification of draft Singapore Standards for Publication**

#### ***(I) Biomedical and Health***

##### **Amendment**

- 1. Amendment No. 1 to Sterilisation of health care products – Microbiological methods – Part 1: Determination of a population of microorganisms on products** (Identical adoption of ISO 11737-1:2018/ Amd 1:2021)

This amendment makes changes to the general requirements and most probable number (MPN) approach in Annex B and adds a bibliography entry.

Those who may be interested in the Amendment include healthcare sector providers, manufacturers, developers and sterilisation service providers.

#### ***(II) Building and Construction***

##### **New**

- 2. Gully tops and manhole tops for vehicular and pedestrian areas**

The review of SS 30 : 1999 on manhole tops and surface-box tops resulted in the development of the following new series of standards:

**Part 1: Definitions, classifications, general principles of design, performance requirements and test methods** (Identical adoption of EN 124-1:2015)

**Part 2: Gully tops and manhole tops made of cast iron** (Identical adoption of EN 124-2:2015)

**Part 3: Gully tops and manhole tops made of steel or aluminium alloys** (Identical adoption of EN 124-3:2015)

The standards are applicable to manhole tops and gully tops with a clear opening up to and including 1000 mm for covering gullies, manholes and inspection chambers installed in areas subjected to pedestrian and/or vehicular traffic.

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

## Revision

### 3. **Code of practice for safety management system for construction worksites** (Revision of CP 79 : 1999)

This standard specifies the requirements for a workplace safety and health management system for the worksites to help prevent work-related injury and ill health. It also gives guidance for its implementation.

This revision brings the standard up-to-date with current industry practices, and aligns it with the SS ISO 45001:2018 Plan-Do-Check-Act (PDCA) cycle for an organisational process approach.

Potential users of the standard include developers, contractors and occupational health and safety professionals.

*(NOTE: Instead of the prefix CP, the revised edition of CP 79 will carry the prefix 'SS', i.e. SS XXX : 2021, XXX representing the number that will be assigned when the standard is approved.)*

## Amendments

### 4. **Amendment No. 1 to Code of practice for indoor air quality for air-conditioned buildings** (SS 554 : 2016)

Arising from the COVID-19 situation in Singapore, this amendment complements SS 553 : 2016 "Code of practice for air-conditioning and mechanical ventilation in buildings" to provide guidance to the industry on measures to be put in place to better manage the risk of aerosol-mediated transmission of diseases in indoor spaces.

The amendment includes guidance on assessing the risk of aerosol transmission that may occur via the airborne route. The risk assessment focuses on the adequacy of ventilation and considers various events that may involve bioaerosol generation or not wearing of masks. Measures to mitigate the assessed risks are also provided.

Those who may be interested in the Amendment include engineers, architects, building owners, facility managers, and relevant government agencies.

NOTE – This draft is scheduled to be issued on 15 July 2021 subject to the approval by the Technical Committee. The closing date for comment will be 29 July 2021.

[\(Click here\)](#) from 15 July 2021 to download the amendment.)

### 5. **Amendment No. 1 to Code of practice for fire hydrant, rising mains and hose reel systems** (SS 575 : 2012)

This amendment specifies that fire alarm cabling/wiring is allowed to run inside dry/wet rising main service duct.

Those who may be interested in the Amendment include engineers, architects, contractors, relevant government agencies and building owners for the planning, installation, testing and upkeep of fire hydrant, wet and dry rising mains and hose reel systems on building premises.

[\(Click here\)](#) to download the amendment.)

Copies of the drafts and standards are available at:

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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](http://www.nlb.gov.sg/VisitUs.aspx) for address and viewing hours)

#### Purchase of Singapore Standards

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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 Proposed New Work Items**

#### **(I) Building and Construction**

##### **1. Technical Reference – Mechanical, electrical and plumbing (MEP) design guidelines for healthcare facilities**

This standard establishes engineering planning principles and design considerations for healthcare facilities.

It also covers building infrastructure services and highlights the essential best practices in designing mechanical, electrical and plumbing provisions required for the development of healthcare facilities.

Potential users of the standard include consultants, architects, engineers, contractors, developers, operators of healthcare facilities and relevant government agencies.

#### **(II) Information Technology**

##### **2. Deployment and operation of data centre IT equipment under tropical climate**

This standard provides the definitions and guidelines required for cooling and operating IT equipment for data centres in Singapore's tropical climate. It aims to achieve better data centre energy efficiency through cooling data centre IT equipment operating at higher temperatures and relative humidity levels than current industry practice.

Potential users of the standard include data centre operators, academia, research institutes, and IT equipment manufacturers.

#### **(III) Quality and Safety**

##### **3. Technical Reference – Asset management – Guidance on the alignment of financial and non-financial functions in asset management (Identical adoption of ISO/TS 55010:2019)**

This standard provides guidelines for the alignment between financial and non-financial asset management functions, in order to improve internal control as part of an organisation's management system. Alignment of these functions will enable the realisation of value derived from the implementation of asset management detailed within SS ISO 55000, SS ISO 55001 and SS ISO 55002.

The series of ISO 55000 standards will help asset owners and managers in the effective management of their physical assets through a structured management system with good practices to ensure the life cycle of the infrastructures. Owners can derive huge benefits in terms of cost savings, improved risk controls and engineering methodologies.

Potential users of the standard include testing, inspection and certification bodies, industry associations, asset-intensive organisations such as those in the infrastructure and industrial sectors, capital-intensive industries and high-value added companies, the real estate sector, service organisations, professional institutions, service providers, academic institutions, training providers, consultancy firms and relevant government agencies.

#### **4. Code of practice for open water sport safety**

This standard provides a set of safety requirements and recommendations for individuals and sport organisers in relation to open water activities and helps to prevent drowning incidents in open water.

The standard covers:

- General safety for open water environment;
- Safety requirements for open water sport-related activities;
- Roles and responsibilities of event organisers, coaches, operators, hirers, users, event participants, volunteers, technical officials, lifeguards, spotters, rescuers, etc.

Potential users of the standard include industry associations, professional institutions, event organisers, sport service providers, academic institutions and relevant government agencies.

### **B.2 Review of Singapore Standards**

#### **(I) Biomedical and Health**

##### **1. Good distribution practice for medical devices – Requirements (SS 620 : 2016)**

This standard specifies requirements for the handling, storage, delivery, installation, servicing, and 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.

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

#### **(II) Quality and Safety**

##### **2. Asset management – Management systems – Guidelines for the application of ISO 55001 (Revision of SS ISO 55002:2016) (Identical adoption of ISO 55002:2018)**

This standard provides guidelines for the application of an asset management system in accordance with the requirements of SS ISO 55001:2016 Asset management – Management systems — Requirements. It can be applied to all types of assets by all types and sizes of organisations.

Users of the standard include testing, inspection and certification bodies, industry associations, asset-intensive organisations such as those in the infrastructure and industrial sectors, capital-intensive industries and high-value added companies, the real estate sector, service organisations, professional institutions, service providers, academic institutions, training providers, consultancy firms 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](#).