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## **ENTERPRISE SINGAPORE CALLS FOR PUBLIC COMMENTS – 5 AUGUST 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 Standard:

Electrical and Electronic – [electrical installations](#), [13A fused connection units](#)

Environment and Resources – [self-declared environmental claims](#)

Food – [food vending machines](#), [noodles](#) (3 standards), [sauces](#) (2 standards), [flour](#) (4 standards), [kaya](#), [fish balls](#), [tofu](#), [white pan bread](#)

Information Technology – [bar coding](#) (2 standards), [national authentication framework](#)

Quality and Safety – [shore-based mooring and unmooring](#), [PPE against falls](#)

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

Closing date for comments: **6 October 2022**

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 standard and content that can be included into the following proposal:

Chemical – [hydrogen refuelling stations](#)

Services – [sustainable MICE](#)

Trade and Connectivity – [container logistics flow](#)

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

Closing date for comments: **6 September 2022** (except for the Workshop Agreement on sustainable MICE which closes on **19 August 2022**).

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Singapore Standards and Technical References are reviewed to determine if they should be updated, confirmed or withdrawn (if they no longer serve the industry's needs) or classified as mature standards (no foreseeable changes; to be reviewed only upon request).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

Electrical and Electronic – [residual current operated circuit breakers](#), [terrestrial photovoltaic modules](#) (3 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: **6 September 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](mailto:kay_chua@enterprisesg.gov.sg).

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

#### **(I) Electrical and Electronic**

##### **Amendment**

#### **1. Amendment No. 1 to Code of practice for electrical installations (SS 638:2018)**

This amendment provides clarity on clauses which specify cable installation in concealing wiring (Clause 522.6L), additional protection using residual current devices (Clause 415.1) and earthing conductor of a street electrical fixture (Clause 714.411.203).

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

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

##### **Revision**

#### **2. Specification for 13 A plugs, socket-outlets, adaptors and connection units – Part 4: Specification for 13 A fused connection units switched and unswitched (Revision of SS 403:2013) (Modified adoption of BS 1363-4:2016+A1:2018)**

The standard lays out the requirements for safety in the normal use of 13 A fused fixed connection units for household, commercial and light industrial purposes. It does not apply to connection units incorporating screwless terminals for the connection of external conductors of the following types:

- (a) Flat quick-connect terminals;
- (b) Insulation-piercing connecting devices; and
- (c) Twist-on connecting devices.

SS 403 will be re-designated as Part 4 of the SS 145 series of standards.

Users of the standard may include manufacturers and suppliers, testing laboratories and relevant government agencies.

**(II) Environment and Resources**

**Confirmation with Amendments**

3. **Amendment No. 1 to Environmental labels and declarations – Self-declared environmental claims (Type II environmental labelling)** (SS ISO 14021:2017) (Identical adoption of ISO 14021: 2016/AMD 1:2021)

This amendment includes changes and additions to the normative references and terms and definitions in the standard. It additionally covers claims related to carbon footprint or partial carbon footprint, and also claims of carbon neutral/carbon neutrality.

Users of the standard may include manufacturers, suppliers and service providers that aim to make environmental self-declaration for their products.

**(III) Food**

**New**

4. **Guidelines on food safety and good hygiene practices for the vending industry** (Review of TR 57:2017)

This standard covers the hygiene guidelines for design, installation, operation and maintenance, including the supply and replenishment of food and related accessories, for the following categories of food vending machines:

- (a) Machines vending pre-packed, shelf-stable food products, regardless of whether the food products are sold at ambient temperature (e.g. confectionery and snacks) or chilled (e.g. canned and bottled drinks).
- (b) Machines vending juices and beverages that are prepared on-site (e.g. freshly squeezed orange juice and freshly brewed ground coffee).
- (c) Machines vending both hot and cold beverages from powdered ingredients or syrups.
- (d) Temperature-controlled machines vending individually wrapped ice cream and pre-packed milk and milk products.
- (e) Temperature-controlled machines vending ready-to-eat food items such as pizzas, toasted sandwiches or pre-packed meals that are vended frozen, chilled or hot.

The standard provides guidance on good hygiene practices for each relevant part of vending machine operations, from machine design, installation to transport/supply, replenishment and service maintenance to comply with regulatory requirements.

Users of the standard may include vending machine operators, and operators or suppliers of dispensing machines.

**Maturing**

5. **Code of practice for mee and kway teow products** (CP 64:1996 (2013))

This standard recommends general hygienic practices for use in the manufacturing and handling (including processing, packaging, storage, transport, distribution and sale) of mee and kway teow for consumption.

6. **Specification for dried noodles and pasta products** (SS 219:1979 (2013))

This standard prescribes the requirements and test methods for dried noodle products made from wheat flour, and pasta products made from durum, semolina or any other hard wheat flour.

**7. Specification for rice vermicelli (SS 237:1980 (2013))**

This standard prescribes the requirements and test methods for rice vermicelli.

**8. Specification for soy sauce (SS 288:1998)**

This standard applies to soy sauce, a condiment for edible purposes.

**9. Specification for chilli sauce (SS 340:1999)**

This standard applies to chilli sauce, a condiment/marinade for edible purposes.

It includes the following types:

- (a) Chilli sauce;
- (b) Sweet chilli sauce;
- (c) Garlic chilli sauce;
- (d) Ginger garlic chilli sauce.

**10. Specification for wheat flour (white) (SS 46:1971 (2013))**

This standard covers the requirements and test methods for wheat flour (bleached and unbleached) obtained from whole wheat grains.

**11. Specification for semolina (SS 350:1990 (2013))**

This standard covers the requirements and test methods for semolina.

**12. Specification for self-raising flour (SS 351:1990 (2013))**

This standard covers the requirements and test methods for self-raising flour.

**13. Specification for wholemeal flour (SS 352:1990 (2013))**

This standard covers the requirements and test methods for wholemeal flour.

**14. Specification for kaya (SS 466:1999)**

This standard applies to kaya, a table spread / filling for edible purposes.

**15. Specification for white pan bread (SS 253:1981)**

This standard prescribes the requirements and test methods for white pan bread.

**16. Code of practice for tofu and related products (SS 612:2016)**

This standard recommends general hygienic practices for use in the manufacturing and handling (including processing, packaging, storage, transport, distribution and sale) of tofu products for human consumption.

It applies to all types of tofu products, especially those that have been subjected to the process of pasteurisation and offered for sale in a chilled state.

Users of the above standards include manufacturers and distributors of the various food products.

**17. Specification for chilled and frozen partially cooked fish balls (SS 565:2011)**

This standard applies to partially cooked fish balls that are chilled or frozen using surimi as the basic raw material for processing.

Users of this standard may include manufacturers, distributors, and testing and inspection bodies.

(IV) **Information Technology**

**Withdrawal**

18. **GS1 bar coding system**

**Part 1: GS1 – An unambiguous international product identification system** (SS 362-1:2013) (Identical adoption of ISO/IEC 15420:2009)

**Part 2: GS1 code 128 and application identifier standard** (SS 362-2:2013) (Identical adoptions of ISO/IEC 15417:2007 and ISO/IEC 15418:2009)

These two standards are recommended for withdrawal as the international standards adopted are undergoing revision or have been replaced by a newer edition. There is also low user demand for the standards. Users may directly refer to the current edition of the relevant international standards.

19. **National authentication framework – Authentication operator interface messages** (TR 29:2012)

The standard is recommended for withdrawal as the national authentication framework (NAF) is no longer in operation and the standard is no longer required.

(V) **Quality and Safety**

**New**

20. **Code of practice for shore-based mooring and unmooring activities**

This standard specifies the requirements on basic safety principles and guidelines on some particular precautions to ensure the safety of more common types of mooring and unmooring procedure / methodology.

Potential users of this standard include occupiers, shore operators and workers, employers, facility managers, workplace safety and health practitioners, designers, installers, testing and inspection bodies, maintenance and service providers, industry associations, professional institutions, tertiary institutions, training providers, research institution and relevant government agencies.

**Revision**

21. **Personal protective equipment for protection against falls from a height** (Revision of SS 570-1:2011)

**Part 1 : Single-point anchor devices** (Modified adoption of ISO 14567:1999)

This standard specifies requirements, test methods, and the marking, labelling and packaging of both permanent and temporary single-point anchor devices exclusively for the attachment of personal protective equipment (PPE) for protection against falls from a height, for fall arrest, work positioning and travel restraint (work restraint).

It is applicable only to anchor devices for PPEs that conform to SS 528, Parts 1 to 3 and Part 5.

**Part 2 : Flexible horizontal lifeline systems** (Modified adoption of ISO 16024:2005)

This standard specifies design and performance requirements, test methods, user instructions, marking and labelling as appropriate, of flexible horizontal lifeline systems for use at any one time by up to five persons per system, exclusively for the attachment of personal protective equipment for protection against falls from a height. It does not stipulate designs for flexible horizontal lifelines, except for design limitations that are necessary for safe and durable service.

It does not cover rigid rail systems, nor is it intended to cover flexible guardrails, hand lines and work-positioning anchor lines.

Users of the standards may include consultants, manufacturers and suppliers, work-at-height users, training providers, industry associations, professional institutions, tertiary institutions, testing, inspection and certification bodies and relevant government agencies.

Copies of the drafts and standards are available at:

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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. Hydrogen refuelling station for hydrogen fuel cell vehicles (HFCVs) on private and public road trials**

This standard aims to cover the generic safety guidelines and distances for each installation, simulation tools/methods for risk assessment of hydrogen installations, mitigation methods for reduction in safety distances, generic guidelines for best practices in design and component selection, commissioning, operations, inspection and maintenance requirements.

Potential users of this standard include gas suppliers, manufacturer, buyers and end users such as private bus and car companies, as well as relevant government bodies.

#### **Services**

#### **2. Workshop Agreement – Sustainable MICE – Specification for waste management**

This Workshop Agreement (WA) aims to provide waste management benchmarks and measurement and reporting frameworks for the MICE sector. This supports the sustainable transformation of the MICE industry which would brand Singapore as a choice destination for green and sustainable events.

Potential users of the WA include companies in the MICE sector, industry associations, training providers, third-party auditors and tender assessors.

Interested parties or experts in the MICE and waste sectors are encouraged to participate in this WA to contribute to the drafting of the document. The workshop details and registration can be found at <https://form.gov.sg/62aac3b3855cba0012c81114>.

The closing date for comments and registration for the Workshop Agreement will be **19 August 2022**.

### **Trade and Connectivity**

#### **3. Technical Reference – Common data standards for container logistics flow**

This standard aims to cover the standardisation of dataset and specifications used by stakeholders in the container logistics ecosystem. It aims to define key dataset types, data elements, data field names, and the definition of each field structure.

The standard covers the logistics ecosystem from port to warehouse to the depots.

Potential users of the standard include port operators, logistics companies across the land supply chain such as container operators and depot operators, and relevant government agencies.

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

### **Electrical and Electronic**

#### **1. Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) – General rules (SS 97:2016) (Modified adoption of IEC 61008-1:2010+A2:2013)**

This standard applies to residual current operated circuit-breakers functionally independent of, or functionally dependent on, line voltage, for household and similar uses, not incorporating overcurrent protection (referred to as RCCBs), for rated voltages not exceeding 440 V a.c. with rated frequencies of 50 Hz, 60 Hz or 50/60 Hz and rated currents not exceeding 125 A, intended principally for protection against shock hazard.

Users of this standard may include building and asset owners, contractors, testing and certification bodies, electrical products suppliers and manufacturers, institutes of higher learning and relevant government agencies.

#### **2. Terrestrial photovoltaic (PV) modules – Design qualification and type approval**

**Part 1: Test requirements (SS IEC 61215-1:2019)**

**Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules (SS IEC 61215-1-1:2019)**

**Part 2: Test procedures (SS IEC 61215-2:2019)**

This series of standards is for solar photovoltaics module qualification and type approval, aiming at assessing module reliability. Reliability is relevant for solar photovoltaics deployment, as degradation in mechanisms can be particularly severe in hot and humid climates.

Users of this standard include building and asset owners, testing and certification bodies, solar companies, research institutes, institutes of higher learning 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](#).