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ENTERPRISE SINGAPORE CALLS FOR PUBLIC COMMENTS – 15 MAY 2020

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:

Electrical and Electronic – [fire-resistant cables, 15A plugs and switched socket-outlets](#),

Information Technology – [multi-tiered cloud computing security](#),

Quality and Safety – [scaffolds, local exhaust ventilation systems, automotive workshops](#)

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

Closing date for comments: **16 July 2020** unless otherwise stated in the document for those that had undergone an earlier round of public comment.

Please submit comments to: 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:

Electrical and Electronic – [bifacial photovoltaic \(PV\) devices, marine energy \(wave, tidal and other water current converters\)](#)

Information Technology – [cloud native security](#)

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

Closing date for comments: **16 June 2020**.

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Published Singapore Standards are reviewed to determine if they should be updated, confirmed or withdrawn (if they no longer serve the industry's needs) or classified as mature standards (no foreseeable changes; to be reviewed only upon request).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

Chemical – [lead and chromate-free primer, bunkering, bunker supply chain](#)

Quality and Safety – [impact attenuation of surface systems](#)

The reviews are ongoing and the [new versions/drafts are 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: **16 June 2020**.

Members of the public are invited to join as standards partners, resource members or co-opted 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) Electrical and Electronic

Revision

1. **Fire-resistant cables of rated voltage up to and including 600/1000V for fixed installations, having low emission of smoke and corrosive gases when affected by fire** [Revision of SS 299 : Part 1 : 1998 (2013), re-designated as SS 299] (Modified adoption of BS 6387 : 2013)

This standard specifies the construction and performance on mechanical and electrical requirements, and describes the methods of test relating to circuit integrity, for armoured and non-armoured fire-resistant power and control cables of rated voltages up to and including 600/1000 V having low emission of smoke and corrosive gases when affected by fire. It also specifies requirements of cable which exhibits properties of reduced flame spread, low levels of smoke emission and halogen-free gas emission when exposed to fire.

It does not cover mineral insulated copper-clad and communication cables.

Potential users of the standard include electric cable manufacturers and suppliers, professional engineers, licensed electrical workers (LEWs), consultants, contractors and testing laboratories.

Confirmation with Amendment

2. **Specification for 15A plugs and switched socket-outlets for domestic and similar purposes** [SS 472 : 1999 (2012)]

This standard will be confirmed with an amendment to incorporate into the standard the ageing test and the resistance to heat test. In addition, the schedule of tests will also been updated accordingly.

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

(II) Information Technology

Revision

3. **Specification for multi-tiered cloud computing security** (Revision of SS 584 : 2015)

This standard specifies a set of minimum baseline security requirements for each cloud service provided by Cloud Service Providers (CSPs). It builds on recognised international standards and other related standards and guidelines with added enhancements to provide Cloud Service Customers (CSCs) with a mechanism to benchmark and tier the capabilities of CSPs.

Potential users of the standard include CSPs and CSCs.

(III) Quality and Safety

Revision

4. Code of practice for scaffolds (Revision of CP 14 : 1996)

This standard gives provisions for the erection and use of scaffolds in workplaces across various industries, such as but not limited to construction, marine, process industries, landscaping, manufacturing, commercial facilities management, repair and demolition.

This standard excludes platforms suspended by ropes, power-operated platforms, timber scaffolds, formwork supports and scaffolds used for material loading.

The draft was released for public comment from 6 October 2017 to 7 December 2017. The Working Group had since addressed the comments received and included responsibilities of a Professional Engineer and more information on measurements of scaffolds components used for various conditions of workplaces.

(NOTE: Instead of the prefix CP, the revised edition of CP 14 will carry the prefix 'SS', i.e. SS XXX : 2020, XXX representing the number that will be assigned when the standard is approved.)

Potential users of the standard include manufacturers and suppliers, contractors, scaffolding contractors, professional engineers, safety officers, consultants, industry associations, testing laboratories, facilities and maintenance personnel, academia and relevant government agencies.

Closing date for comments: **16 June 2020**.

New

5. Code of practice for design, operation, testing and maintenance of local exhaust ventilation systems

This standard gives provisions for the design and fabrication of local exhaust ventilation (LEV) systems used for the prevention and reduction of exposure to airborne contaminants or substances, e.g. gases, vapours and aerosols in the work environment. It establishes requirements for the operation, testing and maintenance of LEV systems to ensure continuous and satisfactory performance of the systems. It also covers the level of competence needed for persons designing, testing or maintaining the systems.

This standard does not cover applications of LEV for removal of bio-aerosols and radioactive materials. It is also not applicable to mechanical ventilation for pharmaceutical containment, confined spaces, clean rooms and air-conditioning in buildings. However, the principles of LEV often apply in such areas.

The draft was released for public comment from 2 December 2019 to 3 February 2020. The Working Group has since addressed comments received and added requirements for design of ducting system and air cleaning equipment. The safety considerations for LEV systems have also been expanded to provide greater clarity.

Potential users of the standard include occupiers, employers, facility managers, workplace safety and health practitioners, industrial hygiene practitioners, and persons designing, installing, testing, operating and maintaining or servicing LEV systems.

Closing date for comments: **16 June 2020**

6. Code of practice for automotive workshops

The standard gives provisions to help the automotive repair industry carry out fair business practices. It covers the maintenance of automotive workshop premises, maintenance and safety of various equipment and activities, competency of personnel, post repair quality control processes, and pre and post sales procedures.

The draft was released for public comment from 10 January 2020 to 11 March 2020. The Working Group had since addressed the comments received and excluded insurance procedures with the intention for users of the standard to have a more focused view on the safe operation of automotive workshop and competency of personnel.

Potential users of the standard may include automotive repair workshops, industry associations, vehicle inspection centres, surveyors, academia and relevant government agencies.

Closing date for comments: **16 June 2020**

Copies of the drafts and standards are available at:

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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 Work Item Proposals

B.1 Proposed New Work Items

(I) Electrical and Electronic

1. **Technical Reference – Photovoltaic devices – Part 1-2: Measurement of current-voltage characteristics of bifacial photovoltaic (PV) devices** (Identical adoption of IEC TS 60904-1-2:2019)

This standard describes procedures for the measurement of the current-voltage (I-V) characteristics of bifacial photovoltaic devices in natural or simulated sunlight. It is applicable to single PV cells, sub-assemblies of such cells or entire PV modules.

Potential users of the standard include solar photovoltaic manufacturers, testing centres, consultancy firms, project developers, engineering procurement construction (EPC) and operation and maintenance (O&M) service providers, and government agencies.

2. Technical Reference – Marine energy – Wave, tidal and other water current converters

Part 10: Assessment of mooring system for marine energy converters (MECs) (Identical adoption of IEC TS 62600-10:2015)

This standard provides uniform methodologies for the design and assessment of mooring systems for floating MECs. It is intended to be applied at various stages, from mooring system assessment to design, installation and maintenance of floating MEC plants.

This standard is applicable to mooring systems for floating MEC units of any size or type in any open water conditions. Some aspects of the mooring system design process are more detailed in existing and well-established mooring standards. The intent of this technical specification is to highlight the different requirements of MECs and not to duplicate existing standards or processes.

Part 201: Tidal energy resource assessment and characterisation (Identical adoption of IEC TS 62600-201:2015)

This standard establishes a system for analysing and reporting, through estimation or direct measurement, the theoretical tidal current energy resource in oceanic areas including estuaries (to the limit of tidal influence) that may be suitable for the installation of arrays of tidal energy converters (TECs).

It is intended to be applied at various stages of project lifecycle to provide suitably accurate estimates of the tidal resource to enable the arrays' projected annual energy production to be calculated at each TEC location in conjunction with IEC 62600-200.

Potential users of the standards on marine energy include manufacturers, research institutes, project developers, investors, consultants, professional engineers, testing and certification bodies, service providers and suppliers, and government agencies.

(II) Information Technology

3. Technical Reference – Code of practice for cloud native for multi-tiered cloud computing security (MTCS)

This standard provides additional guidance for relevant controls in respective tiers specified in SS 584, to mitigate vulnerabilities specific to cloud native architecture that are applicable for CSPs.

Potential users of the standard include CSPs, CSCs (SMEs/Enterprises); auditors, certification bodies and regulators.

B.2 Review of Singapore Standard

The following standards will be reviewed with the intention to update them:

(I) Chemical

1. Specification for lead and chromate-free primer for iron and steel substrates (SS 494 : 2001)

This standard applies to a ready-for-use paint suitable for use as a primer in the protection of iron and steel surfaces under both indoor and outdoor weathering conditions.

Users include testing laboratories, paints suppliers and manufacturers, contractors, consultants, architects, industry associations, town councils and relevant government agencies.

2. Specification for quality management for bunker supply chain (SS 524 : 2014)

This standard is developed to benchmark an effective and efficient quality management system for the bunker supply chain (QMBS) and consequently to serve as the standard for improvement of the performance of bunker suppliers.

3. Code of practice for bunkering (SS 600 : 2014)

This standard specifies the processes and procedures, requirements, roles and responsibilities of all parties concerned, for the delivery of bunkers by bunker tankers, including documentation, equipment standards and verification processes during a bunkering operation. It covers pre-delivery, actual delivery and post-delivery checks and documentation.

Users of SS 524 and SS 600 include bunker suppliers, bunker surveyors, bunker tanker operators, shipowners, charterers, bunkering associations, maritime institutions and relevant authorities.

(II) **Quality and Safety**

4. **Specification for impact attenuation of surface systems under and around playground equipment (SS 495 : 2001)**

This standard specifies requirements for surfacing to be used in children's playgrounds and specific requirements for areas where impact attenuation is necessary. It suggests the factors to be considered when selecting playground surfacing and gives a method of test by which the impact attenuation can be determined; this test gives a critical fall height for surfacing, that represents the upper limit of its effectiveness in reducing head injury when using playground equipment conforming to SS 457, "Specification for playground equipment for public use".

Users of the standard may include manufacturers and suppliers, contractors, consultants, designers, academia, industry associations, testing laboratories, maintenance agencies, town councils 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. What happens after I have submitted my comments?

The comments will be channelled to the relevant standards committee for consideration and you will be informed of the outcome of the committee's decision. You may be invited to meet the committee if clarification is required on your feedback.

5. Can I view drafts after the public comment period?

Drafts will not be available after the public comment period.

6. How do I request for the development of a new standard?

You can propose the development of a new standard [here](#).