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## **ENTERPRISE SINGAPORE CALLS FOR PUBLIC COMMENTS – 5 NOVEMBER 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:

Chemical – [water-based enamel paint](#), [water-based primer for metal and wood](#), [hazardous waste management](#)

Electrical and Electronic – [emergency voice communication systems in buildings](#), [passenger and goods lifts](#)

Environment and Resources – [compressed air](#), [aluminium sulphate](#)

Quality and Safety – [sport safety](#), [tower cranes \(3 standards\)](#)

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

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

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Singapore Standards and Technical References are reviewed to determine if they should be updated, confirmed or withdrawn (if they no longer serve the industry's needs) or classified as mature standards (no foreseeable changes; to be reviewed only upon request).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

Environment and Resources – [rotating electrical machines \(2 standards\)](#)

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.

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) **Chemical**

#### **New**

#### 1. **Specification for water-based enamel paint**

This standard applies to an air-drying gloss paint for use on suitably prepared and primed interior and exterior metal and wood surfaces. It is also applicable for newly primed and previously coated surfaces.

#### 2. **Specification for water-based primer for metal and wood**

This standard applies to a ready-to-use paint suitable for use as a primer in the protection of metal and wood surfaces under both indoor and outdoor weathering conditions. It is also applicable for new surfaces and re-coating of existing paint work.

Potential users of the above paint and primer standards include paint manufacturers, suppliers, test laboratories, contractors, applicators, architectural associations, consultants, facilities/property managers, building surveyors and relevant government agencies.

Comment period: 12 November 2021 to 13 January 2022

#### **Revision**

#### 3. **Code of practice for hazardous waste management (Revision of SS 603:2014)**

This standard sets out the procedures and practices for safe management of hazardous wastes generated from industrial, institutional and other work activities. It also sets out the key requirements for collection, transportation, storage, treatment and disposal of hazardous wastes. This standard briefly covers bio-hazardous and radioactive wastes and other specialised types of waste.

This revision enhances the requirements for proper management of hazardous waste by generators, carriers and collectors. It provides clarity on proper labelling, storage, testing and documentation on the type and composition of waste that are sent to toxic industrial waste collectors for treatment.

The draft standard was released for public comment from 4 June 2021 to 5 August 2021. The Working Group had since deliberated and addressed the comments received. The main changes are as follows:

- Inserted an additional clause in Annex C.1.1.7 to state that items or pallets neighbouring the hazardous waste containers are to be of a suitable material.
- Removed the clause on small amount of waste storage.
- Shifted C.2.3 on waste container residues from the annex to the main body of the standard.

Users of the standard include persons, organisations and industries involved in the generation, collection, transportation, storage, treatment and disposal of hazardous wastes, and implementation of environmentally-sound and safe waste management practices.

Comment period: 5 November to 6 December 2021

### (II) **Electrical and Electronic**

#### **Revision**

#### 4. **Code of practice for emergency voice communication systems in buildings (Revision of SS 546:2009)**

This standard sets out the requirements for emergency voice communication (EVC) systems in buildings and applies to the planning, design, installation, maintenance and testing of EVC

systems. The revision includes updates on live voice and pre-recorded messages, requirements for remote handsets, power supply/battery, interface to fire alarm systems, and maintenance and testing.

The draft standard was released for public comment from 4 June 2021 to 5 August 2021. The Working Group had since deliberated and addressed the comments received. The main changes are as follows:

- Added IEC 60331-25:1999, "Tests for electric cables under fire conditions – Circuit integrity-Part 25: Procedures and requirements – Optical fibre cables" as a normative reference.
- Inserted definitions for audibility, intelligibility, signal-to-noise ratio, sound pressure level, speech transmission channel and speech transmission index.
- Reworded the clauses for broadcasting sequence and pre-recorded messages for clarity.
- Updated the interface with fire alarm systems.

Users of the standard include manufacturers and suppliers, architects, professional engineers, consultants, testing laboratories, contractors and relevant government agencies.

Comment period: 5 November to 6 December 2021

#### **Amendment**

#### **5. Amendment No. 1 to Code of practice for installation, operation and maintenance of electric passenger and goods lifts (SS 550:2020)**

This amendment provides clarity on the interpretation of certain clauses, such as lift well lighting, refuge spaces, alternative suspension and overload check, as well as editorial changes.

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

Comment period: 5 November 2021 to 6 January 2022

### ***(III) Environment and Resources***

#### **Confirmation**

#### **6. Compressed air – Energy efficiency – Assessment (SS IEC 11011:2017) (Identical adoption of ISO 11011:2013)**

This standard sets out the requirements for conducting and reporting the results of a compressed air system assessment that considers the entire system, from energy inputs to the work performed as the result of these input. It also identifies the roles and responsibilities of those involved in the assessment activity.

This standard considers compressed air systems as three functional subsystems:

- supply which includes the conversion of primary energy resource to compressed air energy;
- transmission which includes movement of compressed air energy from where it is generated to where it is used;
- demand which includes the total of all compressed air consumers, including productive end-use applications and various forms of compressed air waste.

Users of the standard include energy auditors and relevant government agencies.

Comment period: 5 November 2021 to 6 January 2022

#### **Mature standard**

#### **7. Specification for aluminium sulphate (SS 36:2013+C2:2021)**

This standard specifies the requirements for and characteristics of aluminium sulphate used for water treatment and industrial purposes.

It is proposed to classify SS 36 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.

Users of the standard include laboratories, chemical suppliers and relevant government agencies.

Comment period: 5 November 2021 to 6 January 2022

**(IV) Quality and Safety**

**New**

**8. Code of practice for sport safety**

This standard aims to enhance sport safety levels in Singapore through a strong preventive approach to manage risks. This standard is applicable across a range of settings including competitive sport, school sport, active recreation and fitness activities. The focus areas are:

- fundamental principles of sports safety;
- training and education in sports safety;
- water safety;
- sudden cardiac arrest and death in sport;
- pre-participation screening;
- heat injuries in sport;
- event medical support plan;
- exercise and training facilities; and
- surveillance, evaluation and follow up.

Potential users of the standard include training providers, national sports associations, professional institutions, large-scale sporting event organisers, sport officials, individual sport participants, athletes, coaches, facility owners, operators, managers, educational institutions and relevant government agencies.

Comment period: 12 November 2021 to 13 January 2022

**Revision**

**9. Code of practice for tower cranes (Revision of SS 559:2010)**

The revision of this standard resulted in the development of the following three parts:

**Part 1: General** (Modified adoption of ISO 12480-1:1997)

This standard establishes required practices for the safe use of cranes, including safe systems of work, management, planning, selection, erection and dismantling, operation and maintenance of cranes and the selection of crane operators, riggers and signalmen.

It does not cover manually operated (non-powered) cranes, cranes in which at least one of its motions is manually operated and crane mounted on water-borne vessel, except in those circumstances where a land-based crane is temporarily affixed to a vessel.

**Part 2: Safe use** (Modified adoption of ISO 12480-3:2020)

This standard establishes required practices for the safe use of tower cranes, including safe systems of work, management, planning, selection, erection and dismantling, crane foundation, operation and maintenance of cranes and the selection of tower crane operators, riggers and signalmen.

It does not cover manually (non-powered) operated tower cranes, or tower cranes in which at least one of its motions is manually operated.

### Part 3: Inspection

This standard specifies requirements for the inspection to be carried out on tower cranes. It covers all aspects of tower crane usage, from the initial planning stage, pre-delivery check at the workshop, pre and post-erection check on site, periodic inspection, pre-operational check, end-of-the-day check, inspection before and after tieback and/or jacking, inspection in exceptional cases and inspection before dismantling.

Users of the series on tower cranes include workplace safety and health officers, safety consultants, project / site managers, authorised examiners, crane contractors and crane suppliers as well as relevant government agencies.

Comment period: 12 November 2021 to 13 January 2022

Copies of the drafts and standards are available at:

#### Viewing from Singapore Standards eShop

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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](http://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 Proposal for the Review of Standards**

### **Environment and Resources**

#### **Rotating electrical machines**

**Part 1: Rating and performance** (SS IEC 60034-1:2017) (Identical adoption of IEC 60034-1:2017)

This standard is applicable to all rotating electrical machines except those covered by other IEC standards, for example, IEC 60349, "Electrical traction – Rotating electrical machines for rail and road vehicles". Machines within the scope of this document may also be subject to superseding, modifying or additional requirements in other standards, for example, IEC 60079, "Explosive atmospheres" and IEC 60092, "Electrical installations in ships".

**Part 31: Selection of energy-efficient motors including variable speed applications – Application guide** (SS IEC TS 60034-31:2017) (Identical adoption of IEC TS 60034-31:2010)

This standard provides a guideline of technical and economical aspects for the application of energy-efficient electric AC motors. It applies to motor manufacturers, original equipment manufacturers (OEM), end users, regulators, legislators and other interested parties.

This standard is applicable to all electrical machines covered by IEC 60034-1, "Rotating electrical machines – Part 1: Rating and performance", IEC 60034-30-1, "Rotating electrical machines – Part 30-1: Efficiency classes of line operated AC motors (IE code)" and IEC TS

60034-30-2, "Rotating electrical machines – Part 30-2: Efficiency classes of variable speed AC motors (IE code)".

Potential users of the standards include motor suppliers, testing laboratories and relevant government agencies.

Comment period: 5 November to 6 December 2021

[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](#).