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ENTERPRISE SINGAPORE CALLS FOR PUBLIC COMMENTS ON SINGAPORE STANDARDS – 2 APRIL 2026

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, Technical References and Workshop Agreements. 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

Newly developed and revised Singapore Standards (SSs), and the outcomes of the reviews of existing SSs are available to the public to gather feedback on their contents and status prior to their completion.

Members of the public are invited to comment on the following Singapore Standard(s):

Building and Construction – [steels for the reinforcement of concrete](#) (3 standards)

Chemical – [LNG bunkering](#) (4 standards)

Safety and Quality – [storage and transportation of compressed liquefied gases](#)

Closing date for comments: **3 June 2026 (except for SS on LNG bunkering which closes on 4 May 2026)**

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

Please submit comments to: standards@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 pre-standards like Technical References and Workshop Agreements. The NWIs are work-in-progress, and the drafts are not available at the public comment stage.

Members of the public are invited to comment on the scope of the following NWI(s):

Chemical – [interior wood coatings](#)

Manufacturing – [additive manufacturing](#)

Closing date for comments: **4 May 2026**

B.2 Proposal for the Review of Singapore Standards

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Technical References and Workshop Agreements are reviewed to determine if they should be updated, confirmed or withdrawn (if they no longer serve the industry's needs) or classified as mature standards (no foreseeable changes; to be reviewed only upon request).

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 comment on the following standard(s) to be reviewed:

Electrical and Electronic – [protection against lightning](#) (4 standards), [ceiling fans](#), [electric harbour craft](#)

Safety and Quality – [suspended scaffolds](#)

Closing date for comments: **4 May 2026**

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 standards@enterprisesg.gov.sg.

A) Notification of Draft Singapore Standard for Publication

(I) Building and Construction

Confirmation

1. Steels for the reinforcement of concrete – Reinforcement couplers for mechanical splices of bars

Part 1: Requirements (SS ISO 15835-1:2020) (Identical adoption of ISO 15835-1:2018)

This standard specifies requirements for couplers for the mechanical splicing of steel reinforcing bars.

This standard is applicable to the continuous production of coupler components. It is intended to be used with adequate control measures for the processing of reinforcing bars, i.e. the production of the mechanical splice.

Part 2: Test methods (SS ISO 15835-2:2020) (Identical adoption of ISO 15835-2:2018)

This standard specifies test methods applicable to couplers for mechanical splices of steel reinforcing bars.

This standard is applicable to the various standards for steel reinforcing bars as well as the various reinforced concrete design standards.

Part 3: Conformity assessment scheme (SS ISO 15835-3:2020) (Identical adoption of ISO 15835-3:2018)

This standard specifies rules for the certification and for the self-evaluation of couplers to be used for the mechanical splicing of steel reinforcing bars.

This standard includes requirements for the control of the manufacturing process of the couplers and for the verification of their conformity in the form of mechanical splices.

Users of the above standards include consultants, engineers, service providers, testing, inspection and certification (TIC) bodies, and relevant government agencies.

(II) **Chemical**

Revision

2. Code of practice for LNG bunkering

The following standards were released for public comment from 5 Sep 2025 to 6 Nov 2025. Technical changes have since been made to address the comments received. The main changes are shown below.

Part 1: General introduction (Review of TR 56-1:2020)

This standard provides the list of terms and definitions for this standard. It also includes an introduction to the properties of LNG.

The changes are as follows:

- Addition of a new term and definition on the responsibilities of a competent person.
- Replacement of ship-shore link (SSL) with bunkering safety link (BSL).

Part 2: Requirements for custody transfer (Review of TR 56-2:2020+A1:2022)

This standard specifies the custody transfer requirements for LNG bunkering including quality and quantity measurements, applicable to truck-to-ship and ship-to-ship scenarios.

The key requirements and recommendations for custody transfer measurement systems (CTMS) were expanded.

Part 3: Procedures and safety distances (Review TR 56-3:2020+A1:2023)

This standard covers the principles, safety requirements and procedures for LNG bunkering operations for truck-to-ship and ship-to-ship scenarios. Responsibilities of bunkering stakeholders, equipment requirements, controlled zones and safe bunkering procedures including simultaneous operations are specified in this standard.

The changes are as follows:

- Revision of the responsibilities of the person-in-charge for better clarity.
- Addition of a requirement and a recommendation for the contingency plan for emergency scenarios.

Part 4: Competency requirements for personnel (Review of TR 56-4:2020)

This standard specifies the competencies and knowledge required by LNG bunker personnel (Management, Operation, Support and Emergency) for truck-to-ship and ship-to-ship bunkering, to bunker LNG fuel safely and efficiently to ships. It also covers the appropriate training required to achieve the requirements set out in this standard.

The details of underpinning knowledge were revised for better clarity.

Users of the standards include LNG bunker suppliers, bunker craft operators, tanker owners, shipowners, bunker surveying companies, test laboratories, bunkering associations, maritime institutions and relevant government agencies.

Public comment period: 2 April 2026 to 4 May 2026

(III) Safety and Quality

Withdrawal

3. Specification for welded low carbon steel cylinders for storage and transportation of compressed liquefied gases (SS 99:1998(2011)) (Modified adoption of ISO 4706:1989)

This standard is recommended for withdrawal as it has been replaced by SS 99:2025, “Gas cylinders – Refillable welded steel cylinders – Test pressure 60 bar and below – Specification for liquefied petroleum gases (LPG)”.

Copies of the draft are available at:

Viewing from Singapore Standards eShop

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Viewing Singapore Standards from Public Libraries

Singapore Standards are viewable multimedia stations at all Public Libraries via NLB databases “Singapore Standards Collection” at <https://reference.nlb.gov.sg/guides/sci-tech/tech/standards-and-references/> Please refer to <https://www.nlb.gov.sg/main/visit-us> for address and viewing hours.

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NOTE – The viewing period of the draft and standard 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

(I) Chemical

1. Technical Reference on Specification for interior wood coatings

This standard specifies requirements for wood coatings, with emphasis on emissions arising from coatings applied to the building interior. It provides the minimum performance requirements to ensure durability of coatings during their service life. To mitigate the impact on indoor air quality and the well-being of building occupants, the specifications will also include emission limits for volatile organic compounds emitted by these coatings.

This standard is also applicable for mass engineered timber structures.

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

(II) Manufacturing

2. Technical Reference – Additive manufacturing – Data and design – Digital part passport (DPP)

The standard will be organised into key components, including the identification of DPP information categories, the development of DPP information templates for each stage of

product development, and the creation of sample templates for manufacturing, testing and validation processes.

Users of the standard include additive manufacturing (AM) product owners, AM service providers and operators, TIC bodies, institutes of higher learning and relevant government agencies.

B.2 Proposal for the Review of Singapore Standards

(I) Electrical and Electronic

1. Protection against lightning

Part 1: General principles (SS 555-1:2018+C1:2019) (Modified adoption of IEC 62305-1:2010)

This standard provides general principles to be followed for protection of structures against lightning, including their installations and contents, as well as persons.

Part 2: Risk management (SS 555-2:2018) (Identical adoption of IEC 62305-2:2010)

This standard is applicable to risk assessment for a structure due to lightning flashes to earth.

The standard's purpose is to provide a procedure for the evaluation of such a risk. Once an upper tolerable limit for the risk has been selected, this procedure allows the selection of appropriate protection measures to be adopted to reduce the risk to or below the tolerable limit.

Part 3: Physical damage to structures and life hazard (SS 555-3:2018+A1:2020) (Modified adoption of IEC 62305-3:2010)

This standard provides the requirements for protection of a structure against physical damage by means of a lightning protection system (LPS), and for protection against injury to living beings due to touch and step voltages in the vicinity of an LPS.

Part 4: Electrical and electronic systems within structures (SS 555-4:2018) (Identical adoption of IEC 62305-4:2010)

This standard provides information for the design, installation, inspection, maintenance and testing of electrical and electronic system protection (SPM) to reduce the risk of permanent failures due to lightning electromagnetic impulse (LEMP) within a structure. It provides guidelines for cooperation between the designer of the electrical and electronic system, and the designer of the protection measures, to achieve optimum protection effectiveness.

The standard does not cover protection against electromagnetic interference due to lightning, which may cause malfunctioning of internal systems.

These standards on protection against lightning are reviewed to ensure continued alignment with current industry practices, technological advancements and safety requirements.

Users of the standards include engineers, architects, building owners, inspectors, training providers, industry associations, TIC bodies and relevant government agencies.

2. Safety of household and similar electrical appliances – Particular requirements for fans (SS 655:2020) (Modified adoption of IEC 60335-2-80:2015)

This standard deals with the safety of electric fans for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances. It also applies to separate controls supplied with fans.

Appliances not intended for normal household use but which nevertheless may be a source of danger to the public, such as appliances intended for use in shops, in light industry and on farms, are within the scope of this standard.

The scope does not account for persons (including children) whose physical, sensory or mental capabilities, or lack of experience and knowledge prevent them from using the appliance safely without supervision or instruction.

This standard is reviewed to ensure continued alignment with current technological advancements, and safety requirements.

Users of the standard include manufacturers and suppliers, buyers, TIC bodies and relevant government agencies.

3. Amendment No.1 to Electric harbour craft charging and battery swap system (TR 136:2025)

This amendment introduces requirements for communication and monitoring of the charging system and aligns them with those used in battery swap systems. It also replaces the digital communication protocol between the supply equipment and the electric harbour craft to IEC 61851-24, “Electric vehicle conductive charging system – Part 24: Digital communication between a DC EV supply equipment and an electric vehicle for control of DC charging”, instead of ISO/IEC 15118-20, “Road vehicles - Vehicle to grid communication interface – Part 20: Network and application protocol requirements”.

Users of the standard include charging and battery swap system solution providers, port operators, marine classification societies and relevant government agencies.

(II) Safety and Quality

4. Code of practice for suspended scaffolds (SS 598:2014)

This standard establishes the minimum safety requirements for the system design, installation, testing and inspection, use, and maintenance of working platforms suspended by wire ropes, including those raised and lowered by mechanical or manually operated winches and climbing devices. The standard is applicable to both permanent and temporary equipment.

The standard is reviewed with the intention to update it.

Users of the standard include suspended scaffold contractors, main contractors, façade contractors 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 NEXT 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 public comment form provided by Enterprise Singapore?

The public comment form enables 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](#).