

Click here to get the public comment form. Comments will only be accepted via this form.

## **ENTERPRISE SINGAPORE CALLS FOR PUBLIC COMMENTS ON SINGAPORE STANDARDS – 2 May 2025**

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 Standard for Publication**

Members of the public are invited to comment on the following Singapore Standards:

Manufacturing – [robots](#) (3 standards)

Safety and Quality – [asset management](#) (4 standards)

Closing date for comments: **3 July 2025**

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

Please submit comments to: [standards@enterprisesg.gov.sg](mailto:standards@enterprisesg.gov.sg).

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Singapore Standards and Technical References are reviewed to determine if they should be updated, confirmed or withdrawn (if they no longer serve the industry's needs) or classified as mature standards (no foreseeable changes; to be reviewed only upon request).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

Safety and Quality – [asset management](#)

Reviews are ongoing, and the new version/drafts are not available at this public comment juncture. Users can refer to the current standards to provide feedback. [Click here](#) to view or purchase the standards.

Closing date for comments: **3 June 2025**

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

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

### **(I) Manufacturing**

#### **Revision**

- 1. Robots – Vocabulary** (Revision of SS ISO 8373:2017) (Identical adoption of SS ISO 8373:2021)

This standard defines terms used in robotics, including for industrial robots, service robots, medical robots, and their components and functionalities.

#### **Confirmation**

- 2. Mobile robots – Vocabulary** (SS ISO 19649:2017) (Identical adoption of ISO 19649:2017)

This standard defines terms relating to mobile robots that travel on a solid surface and operate in both industrial robot and service robot applications. It covers terminology used for describing mobility, locomotion and other topics relating to the navigation of mobile robots.

- 3. Robots and robotic devices – Coordinate systems and motion nomenclatures** (SS ISO 9787:2017) (Identical adoption of ISO 9787:2013)

This standard defines and specifies robot coordinate systems. It also provides nomenclature, including notations, for basic robot motions to aid in robot alignment, testing and programming.

Users of these standards on robots include manufacturers and suppliers of robots, companies manufacturing robotic components and robot research and testing laboratories.

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

#### **New**

- 4. Asset management – Guidance on people involvement and competence** (Identical adoption of ISO 55012:2024)

This standard provides guidance on enhancing personnel engagement in asset management system to improve the overall efficiency of translation of asset management objectives into results. This involves an evaluation of human and cultural factors that influence:

- the effectiveness of adopting operational requirements and policies established by the organisation's strategic asset management plan;
- the degree of involvement that personnel have in the development and execution of asset management plans and strategies;
- the level of knowledge and awareness that personnel have of required activities established by asset management plans and strategies;
- the impact of competence on the ability of personnel to execute these activities;
- the process of establishing development plans which drive continual improvements in asset management system efficiency; and
- the recognition of mutual dependencies in teams that contribute to organisational performance.

These elements apply to the leadership accountable for the overall functioning of the asset management system, as well as to personnel responsible for the development and execution of plans, strategies and activities.

- 5. Asset management – Guidance on the management of data assets** (Identical adoption of ISO 55013:2024)

This standard gives guidance on managing data to support an organisation in meeting its asset management objectives and organisational objectives. It is applicable to any organisation, regardless of its type or size. However, it does not cover:

- methodologies to derive or appraise value for data assets;
- methodologies to derive financial values for data assets; and
- direction to organisations on the need (or not) for calculating financial values for asset data.

### Revision

#### **6. Asset management – Vocabulary, overview and principles** (Revision of SS ISO 55000:2016) (Identical adoption of ISO 55000:2024)

This standard defines terms and establishes principles and outcomes for asset management that covers:

- the benefits of asset management and an asset management system;
- the relationship between asset management, the asset management system and asset portfolio; and
- asset management improvement and maturity.

#### **7. Asset management – Asset management system – Requirements** (Revision of SS ISO 55001:2016) (Identical adoption of ISO 55001:2024)

This standard outlines requirements for an asset management system that can be used by any organisation, regardless of its size or asset types. The intended results of the system include:

- realized value from assets throughout their life for the organisation and its stakeholders;
- achievement of asset management objectives and fulfilment of applicable requirements; and
- continual improvement of asset management, the asset management system and the performance of assets.

This standard does not specify financial, accounting nor technical requirements for managing specific asset types.

Users of these standards on asset management 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.

Copies of the draft are available at:

#### Viewing from Singapore Standards eShop

Login to Singapore Standards eShop at: [www.singaporestandardseshop.sg](http://www.singaporestandardseshop.sg)

[Login ► Go to Standards (3 bars for mobile users) ► Singapore Standards ► View Singapore Standards ► Under Product Type select 'All' ► Under Product Status select 'Draft' ► Search for the draft ► Add to shopping cart and check out ► Download draft.

#### 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.

#### Purchase of Singapore Standards

TOPPAN Next Pte. Ltd.

Customer Service Hotline: (65) 6826 9691

Email: [singaporestandardseshop@toppannext.com](mailto:singaporestandardseshop@toppannext.com)

Operating Hours:

Mon to Fri: 9.30 am to 6.00 pm

Closed on Saturdays, Sundays and Public Holidays

**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) **Proposal for the Review of Singapore Standards**

### **Safety and Quality**

#### **Asset management – Guidance on the alignment of financial and non-financial functions in asset management (TR ISO/TS 55010:2022) (Identical adoption of ISO/TS 55010:2019)**

This standard gives guidance on the alignment between financial and non-financial asset management functions, to improve internal controls as part of an organisation's management system. It is applicable to all types of assets and all types and sizes of organisations.

The intention of the review is to adopt the latest edition of ISO/TS 55010:2024.

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](#).