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ENTERPRISE SINGAPORE CALLS FOR PUBLIC COMMENTS – 5 MAY 2023

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 Standards:

Environment and Resources – [environmental statements and programmes for products](#)

Quality and Safety – [protective gloves](#)

Closing date for comments: **6 July 2023**

For more information on viewing the documents, [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.

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:

Chemical – [ammonia bunkering](#)

Electrical and Electronic – [communication networks and systems for power utility automation](#) (4 standards)

Transportation – [mass rapid transit](#) (4 standards)

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

Closing date for comments: **6 June 2023**

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Singapore Standards and Technical References are reviewed to determine if they should be updated, confirmed or withdrawn (if they no longer serve the industry's needs) or classified as mature standards (no foreseeable changes; to be reviewed only upon request).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

Environment and Resources – [suitability of non-metallic products](#) (10 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.

Closing date for comments: **6 June 2023**

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 Standards for Publication

(I) Environment and Resources

Revision

1. Environmental statements and programmes for products – Principles and general requirements (SS ISO 14020:2017) (Identical adoption of ISO 14020:2022)

This standard establishes guiding principles for the development and use of environmental labels and declarations.

The main changes in this revision are as follows:

- Addition of two concepts i.e. “environmental statement” and “environmental statement programme”;
- Addition of terms and definitions and requirements that are applicable to all types of environmental statement programmes and environmental statements;
- Consolidation and update of principles applicable to environmental statements that were previously given in the ISO 14020 family of standards (requirements that were previously included within those principles have been placed into separate requirement clauses within this standard).

This standard is intended to be used in conjunction with other standards in the ISO 14020 family.

Users of the standard include suppliers/manufacturers, retailers, certification bodies, training providers and relevant government agencies.

(II) Quality and Safety

New

2. Protective gloves – General requirements and test methods (Identical adoption of ISO 21420:2020) (Review of SS EN 420:2003(2016))

This standard specifies general requirements and relevant test procedures for glove design and construction, innocuousness, comfort and efficiency, marking and information supplied by the manufacturer. It also applies to arm protectors and gloves permanently incorporated in containment enclosures.

Users of the standard include suppliers/manufacturers, end users, TIC bodies, industry associations 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

(I) Chemical

1. Technical reference – Code of practice for ammonia bunkering

This standard covers ammonia delivery from ammonia bunkering facilities to receiving ships through various modes of transfer (e.g. shore-to-ship, ship-to-ship, truck-to-ship bunkering etc.). It includes general introduction, requirements of custody transfer, procedures and safety distances as well as competency requirements for personnel.

Potential users of the standard may include suppliers, storage service providers, bunker providers, shipbuilders, equipment manufacturers, shipowners, industry bunkering/shipping associations, classification societies, bunker surveying companies, testing laboratories, research institutions, training providers and relevant government agencies.

(II) Electrical and Electronic

2. Technical reference – Communication networks and systems for power utility automation

Part 90-6: Use of IEC 61850 for distribution automation systems (Identical adoption of IEC TR 61850-90-6:2018)

This standard:

- defines use cases for typical distribution automation (DA) applications that require information exchange between two or more components/systems;
- provides modelling of components commonly used in DA applications;
- proposes new logical nodes and the extensions to the existing logical nodes that can be used in typical DA applications;
- provides guidelines for the communication architecture and services to be used in DA applications;
- provides configuration methods for IEDs to be used in DA systems.

Part 90-7: Object models for power converters in distributed energy resources (DER) systems (Identical adoption of IEC TR 61850-90-7:2013)

This standard describes the functions for power converter-based distributed energy resources (DER) systems, focused on DC-to-AC and AC-to-AC conversions and including photovoltaic

systems, battery storage systems, electric vehicle (EV) charging systems, and any other DER systems with a controllable power converter.

Part 90-8: Object model for e-mobility (Identical adoption of IEC TR 61850-90-8:2016)

This standard shows how IEC 61850-7-420, “Communication networks and systems for power utility automation – Part 7-420: Basic communication structure – Distributed energy resources and distribution automation logical nodes”, can be used to model the essential parts of the e-mobility standards related to EV and EV supply equipments and the power system, in order to secure a high level of safety and interoperability.

Part 90-9: Use of IEC 61850 for electrical energy storage systems (Identical adoption of IEC TR 61850-90-9:2020)

This standard describes the IEC 61850 information model for electrical energy storage systems. It only focuses on storage functionality in the purpose of grid integration of such systems at the DER unit level (higher level Interactions are covered in IEC 61850-7-420).

Potential users of the standards on communication networks may include testing and inspection companies, substation equipment suppliers/manufacturers, substation contractors and service providers, training providers, institutes of higher learning and relevant government agencies.

(III) Transportation

3. Mass rapid transit and light rail transit – Guide for operations of operations control centre (OCC)

This standard sets out provisions for the development of operating procedures for OCC in the following areas:

- Key principles;
- Authority;
- Staffing levels;
- Fitness levels of OCC staff;
- Managing access to track;
- Managing and regulating train services on main line;
- Response to accidents/incidents and train service delays/disruptions;
- Information dissemination during train service delays/disruptions;
- Backup OCC.

4. Mass rapid transit – Guide for operations of station

This standard sets out provisions for the development of procedures for station operations in the following areas:

- Authority;
- Staffing levels;
- Fitness levels of railway station personnel;
- Station duties;
- Customer experience;
- Safety and security;
- Coordination of access to track during passenger service hours and engineering hours;
- Response to station alarms/ train faults, accident/incidents and train service disruption;
- Information dissemination to passengers during train service delays/disruptions;
- Crowd management;
- Managing access for maintenance/project work in a railway station;
- Coordination with stations of other transit lines during an emergency.

5. Mass rapid transit – Guide for operations of on-track equipment (OTE)

This standard sets out provisions for the development of procedures, to ensure the safe use of OTE, in the following areas:

- Inspection of OTE prior to its use;
- Pre-work briefing;
- Track conditions affecting OTE operation;

- Operating requirements for OTE;
- Competency requirements for operating OTE;
- Management of OTE-related incidents.

6. Mass rapid transit and light rail transit – Guide for using dedicated radio devices to communicate among rail personnel

This standard sets out provisions for the radio communication process in railway operations, with the aim of clear and concise radio communication, in the following areas:

- Key principles;
- Basic rules;
- Radio transmission techniques;
- Handling of unclear communications;
- Radio voice procedures (i.e. examples, radio call signs and suggested radio code words).

Potential users of the standards on mass rapid transit may include rail transport operators, contractors, suppliers/manufacturers, institutes of higher learning and relevant government agencies.

B.2) Proposal for the Review of Singapore Standards

Environment and Resources

Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water

Part 1: Specification (SS 375-1:2015)

This standard specifies requirements for the suitability of non-metallic (including cementitious) materials and products, and also water fittings and components, pipes and materials used in coating, protection, lining, jointing, sealing and lubrication, for use in contact with either hot or cold water, with regard to their effect on the quality of the water.

Part 2-1: Methods of test – Samples for testing (SS 375-2-1:2015)

This standard describes the preparation of test samples of all types of non-metallic (including cementitious) materials and products, including water fittings and components, pipes and materials used in coating, protection, lining, jointing, sealing and lubrication, for their suitability for use in contact with water, with regard to their effect on the quality of the water.

Part 2-2-1: Methods of test – Odour and flavour of water – General method of test (SS 375-2-2-1:2015)

This standard describes a method designed to assess the ability of a product to impart a discernible odour and/or flavour to water.

Part 2-2-2: Methods of test – Odour and flavour of water – Method of testing odours and flavours imparted to water by multi-layered hoses and pipes (SS 375-2-2-2:2015)

This standard describes a method designed to assess the ability of multi-layered hoses (including reinforcements) and pipes to impart a discernible odour or flavour to water.

Part 2-2-3: Methods of test – Odour and flavour of water – Method of testing odours and flavours imparted to water by hoses for conveying water for food and drink preparation (SS 375-2-2-3:2015)

This standard describes a method designed to assess the ability of flexible hoses (including reinforcements) to impart a discernible odour or flavour to water intended for use in the preparation of food and drinks.

Part 2-3: Methods of test – Appearance of water (SS 375-2-3:2015)

This standard describes a method designed to assess the ability of a product to impart any noticeable colour or turbidity to water.

Part 2-4: Methods of test – Growth of aquatic microorganisms test (SS 375-2-4:2015)

This standard specifies a method for assessing the ability of a product to promote the multiplication of aerobic aquatic microorganisms in water.

Part 2-5: Methods of test – The extraction of substances that may be of concern to public health (SS 375-2-5:2015)

This standard specifies a screening procedure (simple cytotoxicity test) using a mammalian cell line and a leachate from a product. The results of this procedure will assist in the toxicological assessment of the product for use in contact with water.

Part 2-6: Methods of test – The extraction of metals (SS 375-2-6:2015)

This standard specifies the test procedure for assessing the leachability of metals from non-metallic products.

Part 3: High temperature tests (SS 375-3:2001(2015))

This standard describes methods designed to assess the ability of a non-metallic product to affect hot and boiling water intended for human consumption by imparting a discernible odour or flavour, or any noticeable colour or turbidity.

SS 375 Parts 1, 2-1 and 3 are reviewed with the intention to confirm the current editions, whereas SS 375 Parts 2-2-1, 2-2-2, 2-2-3, 2-3, 2-4, 2-5 and 2-6 are reviewed with the intention to update the current editions with amendments.

Users of the standards on suitability of non-metallic products include suppliers, manufacturers, testing laboratories, research institutions, training providers 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](#).