Ref: PC-100415

SPRING SINGAPORE CALLS FOR PUBLIC COMMENTS ON SINGAPORE STANDARDS – 10 APRIL 2015

Singapore Standards are established based on an open system which is also in accordance with the World Trade Organisation requirements. SPRING Singapore is inviting public comments for the following drafts and Singapore Standards:

(I) Building and Construction

Revision

1. Admixtures for concrete, mortar and grout


The standard specifies definitions and requirements for admixtures for use in concrete. It covers admixtures for plain, reinforced and prestressed concrete which are used in site mixed, ready mixed concrete and precast concrete.

The other parts of the SS EN 934 series are currently under review (see item 2).

Review

(NOTE: To review the standards with the intent to confirm them if there are no changes to the EN standards which Singapore has adopted – no new draft/version at this juncture)

2. Admixtures for concrete, mortar and grout (SS EN 934 series)

Part 1: 2008 Common requirements
Part 4: 2008 Admixtures for grout for prestressing tendons - Definitions, requirements, conformity, marking and labelling
Part 6: 2008 Sampling, conformity control and evaluation of conformity

SS EN 934 covers admixtures for plain, reinforced and prestressed concrete which are used in site mixed, ready mixed concrete and precast concrete.

3. Eurocode 1 Actions on structures (SS EN 1991 series) and the Singapore National Annexes

Part 1-2: 2008 General actions – Actions on structures exposed to fire
Part 1-4: 2009 General actions – Wind actions
Part 1-5: 2009 General actions – Thermal actions
Part 1-6: 2009 General actions – Actions during execution
Part 1-7: 2009 General actions – Accidental actions
Part 2: 2012 Traffic loads on bridges
Part 3: 2010 Actions induced by cranes and machinery
Part 4: 2010 Actions on structures – Silos and tanks

SS EN 1991 provides information on all actions that should normally be considered in the design of buildings and civil engineering works.

4. Eurocode 2 Design of concrete structures (SS EN 1992 series) and the Singapore National Annexes

Part 1-2: 2008 Structural fire design
Part 3: 2010 Liquid retaining and containing structures

SS EN 1992 applies to the design of buildings and civil engineering works in plain, reinforced and prestressed concrete.

Users of the above standards (items 1 to 4) may include professional engineers, consultants, contractors, suppliers/manufacturers, testing agencies and government agencies.

**Proposed new work items**

(NOTE: No drafts available at this juncture)

5. **Eurocode 5 Design of timber structures** (Adoption of Eurocode 5 and development of the Singapore National Annexes based on UK NA to Eurocode 5)

**Part 1-1: Common rules and rules for buildings**
**Part 1-2: General. Structural fire design**

The proposed standards will apply to the design of buildings and civil engineering works in timber (solid timber, sawn, planed or in pole form, glued laminated timber or wood-based structural products, e.g. LVL) or wood-based panels jointed together with adhesives or mechanical fasteners.

Potential users may include professional engineers, consultants, tertiary institutions and relevant regulatory bodies.

6. **Bi-directional static axial compressive load test for bored piles**

The proposed new standard will provide minimum requirements on testing of bored piles using specialised jack embedded within the piles covering jack assembly and configuration, requirements for calibration of the jack and installation (including concreting of the bored piles and necessary grouting) and reporting requirements.

Potential users may include consultants, professional engineers, contractors, testing/accreditation bodies and relevant government agencies.

(ii) **Chemical**

**New**

7. **Code of practice for digital conversion of 16 mm/35 mm microfilm and 105 mm microfiche – Operating procedures**

This standard specifies the operating procedures for digital conversion of 16 mm/35 mm microfilm and 105 mm microfiche (camera and COM).

It does not cover the following:

- 105 mm microfiche in roll format;
- Aperture card (35 mm);
- Colour microfilm (16 mm/35 mm);
- X-ray film; and
- Photographic film (positive and negative).

Potential users of the standard may include National Archives, National Library and other government bodies, as well as, media and publishing companies and any organisations which require to migrate information from older generations of microfilm to digital form for easy information access.
Review

(NOTE: To review the existing standards with the intention to revise them to include sustainability requirements – no new draft/version at this juncture)


This standard applies to a ready-for-use, air-drying emulsion, flat finish for both exterior and interior use on masonry surfaces including concrete, bricks, stucco, concrete block, cement sheets and sidings, and on suitably primed metal and wood surfaces. It covers the recoating of previously painted surfaces which are in a sound condition.


This standard applies to ready-for-use, air-drying emulsion paint for both exterior and interior use on masonry surfaces and on suitably primed metal and wood surfaces. It covers the recoating of previously painted surfaces which are in sound condition. It also covers the problems of disfigurements of painted walls on local buildings by algal infestation.

10. Specification for elastomeric wall coatings (SS 500 : 2002)

This standard applies to a ready-to-use, air-drying elastomeric wall emulsion paint with waterproofing and repairing of fine cracks properties for exterior use on masonry surfaces. It also covers the recoating of previously painted surfaces which are in a sound condition and suitable for receiving such a coating.


This standard applies to ready-to-use, air drying water-based sealer for both interior and exterior uses. The standard is developed for sealer applied on concrete surfaces.

For items 8 to 11, the users include test laboratories, paint manufacturers, suppliers, contractors and related government agencies.

Proposed new work items

(NOTE: No drafts available at this juncture)

12. Liquefied natural gas (LNG) grade as marine fuel for LNG fuelled vessels

This standard will specify the LNG quality to be adopted as bunkering fuel for LNG fuelled vessels. It also provides guidelines in determining quality and quantity measurement.

13. LNG bunkering procedures and safety distance

This standard will provide guidance to parties involved in the LNG bunkering by the following modes: ship to ship transfer, truck to ship transfer, fixed shore installation to ship transfer and cassette bunkering. It also covers the requirements of the minimum safety and security zones for LNG bunkering to take place.

14. Training of crew of bunker vessels designed to supply LNG fuel at cryogenic temperature to ships

This standard will cover various skill sets and competencies required by the crew manning the LNG bunker craft to supply safely and efficiently and to maintain records of LNG fuel supplied to ships calling in Singapore. It will also provide guidance to identify the appropriate training aids needed to achieve the required competencies.

The potential users of the new work items may include shipping/bunkering associations, LNG suppliers, traders, tanker owners/operators, test laboratories, LNG fuel engine makers, classification societies and related government agencies.

This standard recommends general hygienic practices for use in the manufacturing and handling (including processing, packaging, storage, transport, distribution, and sale) of tofu products for human consumption, in order to ensure a safe, sound, and wholesome product for the benefit of the consumer. It is intended to apply to tofu products of all types and especially those which have been subjected to the process of pasteurisation which are offered for sale in the chilled state.

Users of the standard may include tofu manufacturers and suppliers.


This standard is intended for the application and observance of temperature controls in each sector of the cold chain for milk and dairy products. It sets out recommendations for the proper management of these products during the production, storage, transportation, manufacturing, distribution, handling, treatment, at point of sale, and thereafter purchase by consumers of milk and dairy products. The exclusive dairy animal referred to in this standard is the cow. This standard is meant for the following categories of Cold Chain products:

- Chilled milk and dairy products;
- Frozen dairy product;
- Fermented/acidic/cultured milk or drink.

Users of the standard may include milk and dairy manufacturers and suppliers, distributors of milk and dairy products, consumers of milk and dairy products, and testing laboratories.

17. **Code of practice for cold chain management of chilled pork** (SS 552: 2009)

This standard is intended for the application and observance of temperature controls in each sector of the cold chain for chilled pork. It sets out recommendations for the proper cold chain management of chilled pork from the abattoir, deboning, transportation, storage, distribution, handling, retailing, right down to consumers. The chilled pork under this standard is intended for sale and distribution in Singapore. This standard covers chilled pork both from the local abattoir and accredited overseas abattoirs, and chilled pork packed in vacuum and non-vacuum packs.

Users of the standard may include chilled pork importers, distributors and retailers, local abattoir and accredited overseas abattoirs, and consumers.

18. **Cleaning performance for retail food and beverage (F&B) premises** (TR 34: 2013)

The standard applies to the quality of cleaning services in retail F&B premises. Areas not covered in this standard include food storage and food handling/preparation areas (e.g. cold room, kitchens and food stalls).

Users of the standard may include cleaning service providers, cleaning service buyers, facility managers and F&B premises owners / management.
Silver Industry

New


This standard provides guidance on the designs and improvements of the home environment to make the home safe and comfortable for older persons. In particular, it addresses the design and adaptation of specific areas within the home to accommodate ageing-in-place. It may also be applicable to younger people with degenerative conditions.

The recommendations in this standard will not address the specific needs of older persons with special or high dependency needs such as disabilities, dementia and chronic diseases, as they may need additional accessibility and purpose-designed functions.

Potential users of the standard may include housing developers, architects, interior designers, renovation contractors, home owners and caregivers.

Copies of the drafts and standards are available at:

<table>
<thead>
<tr>
<th>For drafts (Viewing only)</th>
<th>For drafts and Singapore Standards (Viewing only)</th>
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| Login to Singapore Standards eShop at: [http://www.singaporestandardseshop.sg](http://www.singaporestandardseshop.sg) | National Library Board  
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Contact person: Mr Rahman Daud | Lee Kong Chian Reference Library  
Level 7, 100 Victoria Street  
Singapore 188064  
Viewing hours:  
Mon to Sun: 10 am to 8.30 pm.  
Email ref@nlb.gov.sg to schedule an appointment to view the standards. |
| Operating Hours:  
Mon to Fri: 9.30am to 6.00pm  
Closed on Saturdays, Sundays and Public Holidays | |

**NOTE**

1) The viewing period of the drafts will expire on the closing of the 2-month public comments. Drafts will no longer be available after this date.

2) The submission form for comments can be downloaded at [http://www.spring.gov.sg/public_comments](http://www.spring.gov.sg/public_comments)

The closing date for comments is **11 June 2015** for the establishment of Singapore Standards and **11 May 2015** for the review of Singapore Standards and the new work items.

For more information on the standards, please contact Mrs Kay Chua, Senior Manager at Tel: (65) 6279 1804 or Email: kay_chua@spring.gov.sg.
Frequently asked questions about public comment on Singapore Standards:

1. What is public comment?

   Singapore Standards are established based on an open system which is also in accordance with the World Trade Organisation requirements. These documents are issued as part of a consultation process before any standards are introduced or reviewed. This important stage in the development of Singapore Standards is the Public Comment period. This mechanism helps industry, companies and other stakeholders be aware of forthcoming changes to Singapore Standards and provide 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 benefit me?

   The benefits are:
   - It 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;
   - It 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 the National Library Board at the addresses given above. 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 and 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 a new standard?

   You can inform us of your standardisation needs by completing the Proposal Form at Standards & You.