SPI GING SINGAPORE CALLS FOR PUBLIC COMMENTS ON SINGAPORE STANDARDS – 5 FEBRUARY 2010

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.

Four drafts to be established as Singapore Standards:

1. **Code of practice for lightning protection**


   The principal changes introduced in the new standard are:

   - Risk assessment calculation;
   - Singapore’s lightning intensity map and data for risk management calculation which is important for the appropriate design of lightning protection systems;
   - Detailed requirements for touch or step voltages;
   - Guidelines for LEMP protection systems for electrical and electronic services.

   This standard comprises the following parts:

   **Part 1 : General principles** (Modified adoption of IEC 62305-1 : 2006) (S$6.00 per copy)

   This part of the standard provides the general principles to be followed in the protection against lightning of:

   - structures including their installations and contents as well as persons,
   - services connected to a structure.

   The following cases are outside the scope of this standard:

   - railway systems;
   - vehicles, ships, aircraft, offshore installations;
   - underground high pressure pipelines;
   - pipe, power and telecommunication lines not connected to a structure.

   **Part 2 : Risk management** (Modified adoption of IEC 62305-2 : 2006) (S$6.00 per copy)

   This part is applicable to risk assessment for a structure or for a service due to lightning flashes to earth. Its 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 (Modified adoption of IEC 62305-3: 2006) (S$6.00 per copy)

This part 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.

It is applicable to:

- design, installation, inspection and maintenance of an LPS for structures without limitation of their height;
- establishment of measures for protection against injury to living beings due to touch and step voltages.

Part 4: Electrical and electronics within structures (Identical adoption of IEC 62305-4: 2006) (S$6.00 per copy)

This part of the standard provides information for the design, installation, inspection, maintenance and testing of a LEMP protection measures system (LPMS) for electrical and electronic systems within a structure, able to reduce the risk of permanent failures due to lightning electromagnetic impulse. It does not cover protection against electromagnetic interference due to lightning which may cause malfunctioning of electronic systems.

This standard also provides guidelines for cooperation between the designer of the electrical and electronic system, and the designer of the protection measures, in an attempt to achieve optimum protection effectiveness. However, it does not deal with detailed design of the electrical and electronic systems themselves.

Those who would be interested in the above standards include professional engineers, architects, qualified persons, consultants, licensed electrical workers (LEWs), electrical installers, industry professionals from the electrical sector and academic institutions, and relevant government agencies.

One Singapore Standard to be withdrawn:


This standard is proposed to be withdrawn as users can refer to the new SS 537: Part 2: 2009 – Code of practice for safe use of machinery – Woodworking machinery.

Nine Singapore Standards to be reviewed:


This standard provides a set of requirements and tests considered to be generally applicable to most types of luminaires which is used in other parts of SS 263 and/or specific IEC 60598-2 to provide requirements for different types of luminaires.

The review is to update the publication to align it with the current IEC 60598-1. The standard is used mainly by designers, manufacturers and test laboratories to certify that the products tested are in compliance.


The recommendations of this code apply to the design, fabrication, erection and stripping of formwork and formwork for any reinforced concrete structures.

The review is to update the standard. Users of the Code include contractors, professional engineers, design engineers and architects.
5 Portable fire extinguishers

SS CP 55: 1991 - Code of practice for use and maintenance of portable fire extinguishers

SS 232 : Parts 1 to 6 : 1999 - Specification for portable fire extinguishers (based on EN 3 series of standards)

Part 1 : Description, duration of operation, Class A and B fire tests
Part 2 : Tightness, dielectric test, tamping test, special provisions
Part 3: Construction, resistance to pressure, mechanical tests
Part 4: Charges, minimum required fire
Part 5: Specification and supplementary tests
Part 6: Provisions for the attestation of conformity of portable fire extinguishers in accordance with SS 232 Parts 1 to 5

The purpose of the review is to update the standards and to align them to new international practices.

Copies of the drafts and standards are available for reference/sale at:

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1 Kim Seng Promenade #18-01
Great World City East Tower
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Operating Hours:
Mon to Fri: 9.30am to 6.00pm
Closed on Saturdays, Sundays and Public Holidays

The closing date for comments is 6 April 2010 for the establishment and withdrawal of Singapore Standards and 8 March 2010 for the review of Singapore Standards. The public can send their comments on-line through http://www.spring.gov.sg/public_comments or by post or fax (65) 6278 6990 to:

Head
Standardisation Department
SPRING Singapore
5th Level Podium Block
2 Bukit Merah Central
Singapore 159835

Note: With effect from January 2010, we accept comments only in electronic formats on-line through http://www.spring.gov.sg/public_comments or by email to kay_chua@spring.gov.sg (attachments in the email, if any, are to be in revisable electronic formats to enable ease of use by the secretariat).

For more information on the standards, please contact Mrs Kay Chua, Senior Administrative Executive at Tel: (65) 6279 1804, Email: kay_chua@spring.gov.sg or Fax: (65) 6278 6990.
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 draft?

The drafts are available for free viewing at Toppan Leefung Pte Ltd at the address given above. However, a nominal price of $6.00 per copy of the drafts is charged for copyright and administrative reasons for those who wish to purchase the drafts. National standards are knowledge documents developed by standards committees for the specific industry. The release of the draft for public comment is to allow other members of the industry affected to make the standard more suitable for their use. The charge for public comments on national standards is an international norm for national standards bodies and free distribution is not possible due to copyright reasons as national standards are an embodiment of knowledge. ISO/IEC sells the ISO/IEC draft standards at the full price similar to a published ISO/IEC standard.

4. Why do I have to pay for the standards which are proposed for review, withdrawal or archival?

These standards are available for free viewing at Toppan Leefung Pte Ltd at the address 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, withdraw or archive 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,
- provide feedback to update the standard proposed for archival given that an archived will be kept in its present form and will not be updated.

5. 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.

6. What is archival of standards?

Archived standards are standards that are not expected to change over time, and are still in use. A review would be initiated only upon a request from the industry or the standards committee.

7. Can I purchase drafts after the public comment period?

Drafts will not be available after the public comment period.

8. How do I request for a new standard?

You can inform us of your standardisation needs by completing the Proposal Form found at:

9. How do I get updates of Singapore Standards or standardisation activities?

We provide a free email alert service, “Update Me”. You can register at:
http://www.standards.org.sg/Forms/UpdateMe.cfm

For more information on the national standardisation programme, please visit the Standards Website at: