



INSTITUTION OF FIRE ENGINEERS, SINGAPORE

THE INTERNATIONAL ORGANISATION FOR FIRE PROFESSIONALS

Issue No. 27 | OCT – DEC 2021

Management Council 2020 – 2022

President	Mr Christopher Tan
Vice President	Mr K Ramanathan
Hon Secretary	Ms Liew Li Hooi
Hon Treasurer	Ms Chelsia Ruth Wong

Council Members:

Mr Koh Soon Chuang
 Er Yee Poh Kin
 Ms Chelsia Ruth Wong
 Mr Tong Hong Haey
 Er Victor Ho
 Mr Michael Mok
 Mr David Goh
 Ar. Chan Kok Way

A WORD FROM THE EDITOR

2022 is an election year.

Unlike the General Election, nomination and voting occurs on the same night during AGM. We sincerely invite all members who are willing to volunteer their time and expertise to run for election for the IFE Singapore Management Council 2022 – 2024. IFE Singapore is made stronger and more relevant to its members if its Council consists of a wide diversity of stakeholders – young and old, professionals, authorities, students and contractors, people from different industries with different scopes and experiences, united in the advancement of fire engineering.

If you have any questions with regards to the scope and responsibilities of various council members, feel free to approach them individually for advice.

As well, we thank our members who have renewed their membership for 2022 for their continued support and contributions to IFE Singapore.

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EVENTS & NEWS

Inside the Facilities of the Viking Corporation (Far East) Pte Ltd

10 December 2021, 3pm to 5pm

ONLINE WEBINAR

IFE invited The Viking Corporation (Far East) Pte Ltd, to organise a webinar for its members on 10 December from 3-5pm. In what was originally planned as a Live Virtual Tour, the pandemic has led to complications around the feasibility of this. As such, the webinar became more of a presentation. However, this enabled Viking to expand their tour to include a wider spectrum beyond the Singapore Facility by including parts of their facilities in China and US.

The webinar was attended by 31 IFE members, MOU partners FSMAS, A-CERTS and UL.

Mr. Raymond Chia, Marketing Director for Asia Pacific of The Viking Corporation talked about the gas filling and cylinder operations in their Singapore facility as well as some of the equipment and service they provide to support the industry. In China facility, focus was placed on the range of testing equipment and their specific purposes.

The US operations centered around their training facility within their Viking's new global headquarters which included both traditional classroom and hands-on labs to the adoption enabling technologies such as Virtual Reality technology, which is an industry first. Finally finishing off the presentation with the wide spectrum of online resources Viking has developed to support the industry by making information readily accessible.

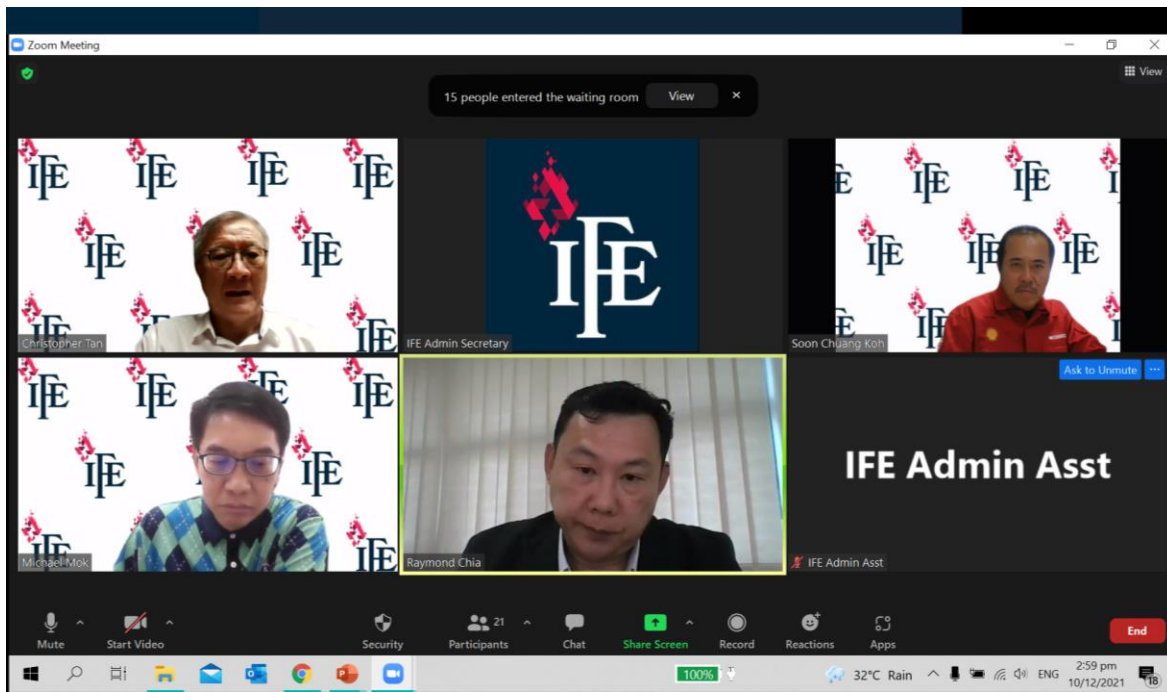


IFES – The Viking Corporation

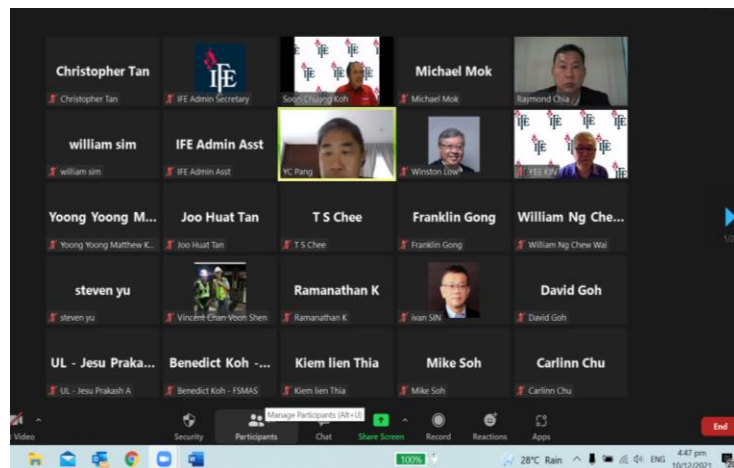
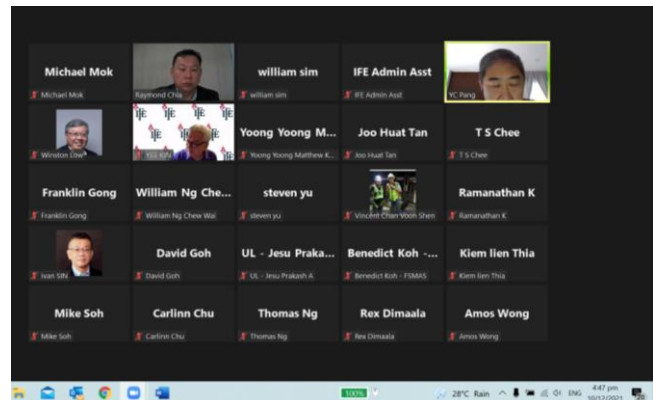
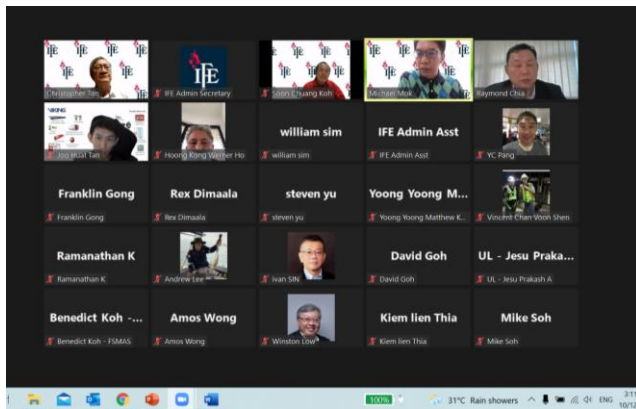
Inside the Facilities of The Viking Corporation (Far East) Pte Ltd

10 December 21 at 3pm to 5pm





Photograph: Snapshot of the IFE Seminar and presenters



Photograph: Snapshots of the Members attending the IFE Webinar



Photograph: Snapshots of the Mr Michael Mok presenting IFE Crystal Plaque as a token of Appreciation to Mr Raymond Chia of The Viking Corporation (Far East) Pte Ltd for hosting the IFE webinar.

EVENTS & NEWS

54th Run of Servicing and Maintenance of Fire Extinguishers 7th October to 21st October 2021

The 54th run of the servicing and maintenance of fire extinguishers was recently concluded on 21st October 2021. Congratulation to all participants who successfully completed the course.



Photograph: Attendees at 54th run of the servicing and maintenance of fire extinguishers

EVENTS & NEWS

Membership Renewal for 2022 & Membership Drive

Year 2022 will be at our doorsteps very soon and as we review the past year; we have adapted reasonably well to the unprecedented challenges pose by the Covid-19 pandemic to engage our members. Over the past months, we have actively organized a series of lectures and webinars to keep members updated of developments in fire safety. We hope to do more social gatherings in the coming year such as the Member's Night when conditions permit.

The council is appreciative of your unstinting support and understanding during this difficult period as we unite as a nation to weather the pandemic. As a gesture of our appreciation, the council has decided to give a **discount of 15% on the 2022 membership** subscription rate to existing members. You will enjoy this discount when you renew your membership for 2022. We seek your cooperation to send us your membership fees **before 30 December 2021** to avoid any fees required by IFE UK branch for reinstating your membership if it is suspended.

On 11th November, Membership Committee Chair Mr Yee Poh Kin, and Council Member Mr David Goh conducted a new membership drive during our recent 'Maintenance of Fire Protection Systems course' at Holiday Inn to recruit new IFE members. They presented the slides about IFE organisation, Membership Grade, participation in Professional Committees and benefits of joining etc.

Students' reaction was positive, and we look forward to a good response.



Photograph: Snapshots of the presentation slides during the membership drive

UPCOMING EVENTS & ACTIVITIES

Enterprise Singapore Calls for Public Comments

From 7 January 2022

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.

Of interest are the following:

- Amendment No. 1 to Code of practice for the use and maintenance of portable fire extinguishers (SS 578:2019)

Full notification of draft Singapore standards for publication as attached to this newsletter.

Published quarterly by the IFES, we are always looking for members contributions. To provide any articles or feedback, please contact – admin@ife.org.sg



CONTACT DETAILS

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SINGAPORE CIVIL DEFENCE FORCE



Date: 01 December 2021

Our Ref: CD/VCPD/12/02/03/01

Registrar, Board of Architects
Registrar, Professional Engineers Board
President, Singapore Institute of Architects
President, Institution of Engineers, Singapore
President, Association of Consulting Engineers, Singapore

Dear Sir/Mdm

TECHNICAL REQUIREMENTS FOR STOREY SHELTERS 2021

As part of our continuous review process, SCDF and BCA have jointly completed a review of the Technical Requirements for Storey Shelters (TRSS). The review covered all chapters of the prevailing TRSS 2015 with the aim of regularising the changes made through the issuance of past circulars, ensuring that the stipulated requirements remain relevant and providing greater design flexibility to the building industry.

2. Among others, the new edition TRSS 2021 incorporates the permissible variations that had been allowed since the issuance of the previous TRSS edition (e.g. void openings within the SS setback, inter-floor openings inside service risers that are located within the SS setback), aligns the structural design requirements to Eurocode standards and provides new initiatives for greater design efficiency and flexibility (e.g. precast SS).

3. The TRSS 2021 edition will be published on SCDF's website on 31 December 2021 (refer to the web-link below) and shall take effect from 1 June 2022.

<https://www.scdf.gov.sg/home/civil-defence-shelter/acts-and-requirements>



SCDF – A member of the Home Team

HQ SINGAPORE CIVIL DEFENCE FORCE, 91 UBI AVENUE 4, SINGAPORE 408827
TEL: 6848 1478 FAX: 6848 1493 EMAIL: Andy_Tan@scdf.gov.sg



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4. The requirements shall apply to the first CD01 plans submitted to BCA from 1 June 2022 onwards. However, developers or QPs may choose to adopt any of the specific requirements with immediate effect. For the latter, if CD01 plans had been approved for a particular project, developers/ QPs must submit an “amendment to approved shelter plans” to incorporate these changes to BCA for re-approval.

5. Please convey the contents of this circular to members of your Institution/ Association/ Board. The circular is also available in CORENET-e-Info: <http://www.corenet.gov.sg/einfo>. For any inquiry or clarification, please contact the undersigned at 6848 1478.

Your faithfully,

(transmitted via e-mail)

MAJ Andy Tan
Community Protection Branch
for Commissioner
Singapore Civil Defence Force

Distribution list

CEO, BCA
CEO, URA
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Manager (Fire Safety & Building Control Unit), DSTA
SCDF Fire Safety Standing Committee
Fire Code Review Committee
Shelter Codes Review Committee



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TEL: 6848 1478 FAX: 6848 1493 EMAIL: Andy_Tan@scdf.gov.sg



Date : 19 Oct 2021

Registrar, Board of Architects
Registrar, Professional Engineers Board
President, Singapore Institute of Architects
President, Institution of Engineers, Singapore
President, Association of Consulting Engineers, Singapore

Dear Sir/Mdm

INVITATION FOR REGISTRATION AS FIRE SAFETY ENGINEER (FSE)

The SCDF has commenced its 18th FSE registration exercise and is inviting application for registration as FSE. The closing date for this application is on 31 Jan 2022.

2. The registration criteria for application are as follows:
- (a) Possess at least a degree qualification in the field of fire safety engineering;
 - (b) Have at least 5 continuous years of relevant practical experience in the design of fire safety works in buildings acquired after obtaining the degree in para 2(a), of which 3 years or more in aggregate shall involve projects based on fire safety engineering solutions; and
 - (c) Must have maintained a clean record and not found guilty of an offence under the Fire Safety Act, Professional Engineers Act or Architects Act.



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HQ SINGAPORE CIVIL DEFENCE FORCE, 91 UBI AVENUE 4, SINGAPORE 408827
TEL: 8845 5484 EMAIL: Tong_Hong_Haey@scdf.gov.sg

3. Applicants who wish to register as a Fire Safety Engineer shall submit the following to the Fire Safety Engineers Selection Panel:

- (a) Application form “APPLICATION FOR REGISTRATION AS FIRE SAFETY ENGINEER” which can be downloaded on our website (www.scdf.gov.sg):

[Go to Fire Safety > Plans and Consultations > Performance-Based Approach to Fire Safety Design > Registration for Fire Safety Engineers];

- (b) certified true copies of documentary evidence of the applicant’s qualifications and practical experience;

- (c) recent testimonials from 2 referees as to the applicant’s good character;

- (i) referees are to submit Letter of Reference directly to SCDF at the following address:

The Secretariat
Fire Safety Engineers Selection Panel
Fire Safety Department
HQ SCDF
91 Ubi Avenue 4
Singapore 408827

- (d) letter of undertaking by the applicant, stating the following:

- (i) whether disciplinary or criminal proceedings are pending or contemplated against the applicant; and
- (ii) whether the applicant’s professional conduct is or has been under investigation; and
- (iii) whether the applicant has any previous disciplinary or criminal records;

- (e) photocopy of personal identification documents for identity verification: E.g. NRIC, Passport, Employment Pass, etc.

- (f) a fire safety engineering report for an actual fire safety engineering project;

- (i) The applicant must be involved in drafting the report;



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- (ii) The report should best illustrate the range and depth of the applicant's fire engineering knowledge;
- (iii) The report shall be reviewed and substantiated by the project FSE as being a true representation of the applicant's work;
- (iv) In the case of an applicant who is a foreign registered FSE, his/her work shall be reviewed and substantiated by the project director associated with the project.

4. One set of the above supporting documents is to be submitted in digital copy (CD-ROM) to the addressee below, together with a non-refundable application fee of S\$475.

Customer Service Centre
Fire Safety Engineers Selection Panel
Fire Safety Department
HQ SCDF
91 Ubi Avenue 4
Singapore 408827

5. Payment can be made online at <https://www.scdf.gov.sg/payment>. Applicant can submit the payment under "Miscellaneous Payments" and indicate "FSE Registration application - <Name of applicant>" under the "Description of Payment" field. Applicant must include the online payment receipt as part of the above supporting documents to be mailed to SCDF.

6. Applicants who meet the above requirements will be selected by SCDF to attend an interview with the Fire Safety Engineers Selection Panel. Interviews for registration will tentatively commence around Mar/Apr 2022 onwards. Shortlisted applicants will be notified of the interview date and time around one month before the interview.

7. For more information on the performance-based fire safety regulatory system, you may visit the SCDF website (www.scdf.gov.sg).

[\[Go to Fire Safety > Plans and Consultations > Performance-Based Approach to Fire Safety Design >> Performance-Based Plan Approval Process\]](#)



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TEL: 8845 5484 EMAIL: Tong_Hong_Haey@scdf.gov.sg

8. Please convey the contents of this circular to members of your Board/Institution/ Association. This circular shall take immediate effect and is also available in CORENET-e-Info: <https://www.corenet.gov.sg/general/e-info.aspx>.

9. For any enquiry or clarification on the above, please contact LTC Tong Hong Haey at TEL: 8845 5484 (E-mail: Tong_Hong_Haey@scdf.gov.sg).

Yours faithfully,

(transmitted via e-mail)

LTC Tan Chung Yee
Fire Safety & Shelter Department
for Commissioner
Singapore Civil Defence Force

cc

CEO, BCA
CEO, URA
CEO, HDB
CEO, JTC
CE, LTA
President, REDAS
President, IFE
President, SISV
SCDF Fire Safety Standing Committee
Fire Code Review Committee



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

ENTERPRISE SINGAPORE CALLS FOR PUBLIC COMMENTS – 7 JANUARY 2022

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 Standard documents:

Building and Construction – [execution of concrete structures](#), [portable fire extinguishers](#), [timber doors](#)

Chemical – [safe use of thermal foggers](#), [bunkering](#), [laundry detergent powder for household use](#)

Quality and Safety – [ammonia refrigeration](#) (3 standards), [incident management](#), [occupational health and safety management](#), [respiratory protective devices](#), [occupational safety and health management systems](#) (2 standards)

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

Please submit comments to: kay_chua@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 Technical References (pre-standards).

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:

Quality and Safety – [occupational health and safety management](#) (4 standards), [fusion welding](#)

Services – [geragogy guidelines for senior learners](#)

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

Please submit comments to: kay_chua@enterprisesg.gov.sg.

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 standard to be reviewed:

Quality and Safety – [occupational health and safety management systems](#)

The review is ongoing and the new version/draft is not available at this juncture. Users can refer to the current standard to provide feedback. [Click here](#) to view or purchase the standard.

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 kay_chua@enterprisesg.gov.sg.

A) Notification of draft Singapore Standards for Publication

(I) Building and Construction

New

1. Execution of concrete structures (Identical adoption of EN 13670:2009)

The standard gives common requirements for the execution of concrete structures and applies to in-situ works and construction using prefabricated concrete elements, covering both permanent and temporary concrete structures.

This standard does not apply to concrete members used only as equipment or construction aids for the execution, and the production of precast concrete elements made in accordance with product standards.

Potential users of the standard include consultants, contractors, developers, engineers, suppliers / manufacturers, tertiary institutions, testing bodies, accreditation bodies and relevant government agencies.

Comment period: 7 January to 8 March 2022

Amendment

2. Amendment No. 1 to Code of practice for the use and maintenance of portable fire extinguishers (SS 578:2019)

This amendment introduces special precautions for fighting fires involving photovoltaic (PV) solar panels, and allows for electronic monitoring as an alternative means to manual inspection for fire extinguishers.

Those who may be interested in the Amendment include fire safety managers, facility managers, building owners, contractors, manufacturers, suppliers and testing bodies.

([Click here](#) to download the amendment.)

Comment period: 7 January to 8 March 2022

Mature standard

3. Specification for timber doors (SS 347:1990)

This standard specifies requirements for various types of timber doors. It applies to basic general-purpose doors. It does not apply to fire-resistant doors, hospital doors, special-purpose doors and doors with dimensions that exceed the maximum specified in the standard.

It is proposed to classify SS 347 as a mature standard as there are no foreseeable changes to the standard. Hence, it will not be reviewed until a request is put forth to do so.

Users of the standard include architects, engineers, consultants, contractors, developers, testing/accreditation bodies and relevant government agencies.

Comment period: 7 January to 8 March 2022

(II) **Chemical**

New

4. Safe use of thermal foggers during pest management activities

This standard specifies requirements for the safe use of thermal foggers in the following areas:

- Risk management (safety aspects in operating and handling of thermal foggers);
- Proper maintenance, storage and disposal;
- Fire prevention measures; and
- Proper emergency planning and first aid procedures.

This standard also provides best practices and points for consideration to improve the effectiveness of thermal fogging.

The draft standard was released for public comment from 16 June 2021 to 17 August 2021. The Working Group had since deliberated and addressed the comments received. The main changes are as follows:

- Transferred informative contents from body of the standard to informative annexes.
- Provided further clarity on the responsible parties in the various clauses.

Potential users of the standard include vector control management companies, town councils, estate managers, manufacturers and suppliers of vector control equipment, vector control workers and technicians as well as relevant government agencies.

Comment period: 7 January to 8 February 2022

Revision

5. Code of practice for bunkering by bunker tankers using tank gauging (Revision of SS 600:2014)

This standard specifies the processes, procedures, requirements, roles and responsibilities of all parties concerned, for the delivery of bunkers by bunker tankers using tank gauging, in the Port of Singapore, including documentation, equipment standards and verification processes during a bunkering operation. It covers pre-delivery, during-delivery and post-delivery checks and documentation. It also covers the use of volumetric flow meters for bunker delivery.

The main changes in this revision are as follows:

- Updated the terms and definitions to align with other local bunkering standards.
- Updated annexes relating to quantity measurement and determination, sampling requirements, note of protest, resolution of disputes and Singapore Bunker Claims Procedure.
- Inserted a new Annex V to consolidate the existing contents related to the use of volumetric flow meter for bunker delivery.

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

Comment period: 7 January to 8 March 2022

Mature standard (with amendments)

6. Specification for laundry detergent powder for household use in manual washing (SS 231:2013)

This standard covers the requirements and methods of sampling and testing for synthetic powder detergents for household washing of laundry by hand.

This standard will be confirmed with an amendment to update the requirements of detergent powders in Table 1, to align with available products in the market. Annexes A, D, E and F, which are originally normative in nature, will now be informative annexes.

It is also proposed to classify SS 231 as a mature standard as there are no further foreseeable changes to the standard. Hence, it will not be reviewed until a request is put forth to do so.

Users of the standard include detergent powder manufacturers, distributors, suppliers, fast-moving consumer goods and specialty chemical industries, associations, academia, research institutions and relevant government agencies.

([Click here](#) to download the amendment.)

Comment period: 7 January to 8 March 2022

(III) Quality and Safety

New

7. Specification for ammonia refrigeration system in cold chain for food businesses

Part 1: Design, installation and commissioning

This standard provides the specification for safe design, installation and commissioning of an ammonia refrigeration system.

Part 2: Operation, inspection, servicing and maintenance

This standard provides the specification for operation, inspection, servicing and maintenance of an ammonia refrigeration system.

Part 3: Emergency response plan and recovery process

This standard provides general guidance in the event of an emergency such as an ammonia leak accident. This includes an overview of the preparation, response and recovery from an emergency and the procedure for handling food products stored on site.

Potential users of the series on ammonia refrigeration include manufacturers, cold store and logistics companies, suppliers of ammonia refrigeration systems as well as testing and inspection bodies.

Comment period: 24 January to 25 March 2022

8. Security and resilience – Emergency management – Guidelines for incident management (Identical adoption of ISO 22320:2018)

This standard provides guidelines for incident management, including:

- principles that communicate the value and explain the purpose of incident management;
- basic components of incident management including process and structure, which focus on roles and responsibilities, tasks and management of resources; and
- working together through joint direction and cooperation.

This standard is applicable to any organisation involved in responding to incidents of any type and scale. It is also applicable to any organisation with one organisational structure, as well as for two or more organisations that choose to work together while continuing to use their own organisational structure or to use a combined organisational structure.

Potential users of the standard include testing, inspection and certification bodies, industry associations, professional institutions, academic institutions, training providers, suppliers, buyers, manufacturers, service providers and relevant government agencies.

Comment period: 7 January to 8 March 2022

9. Occupational health and safety management – Psychological health and safety at work – Guidelines for managing psychosocial risks (Identical adoption of ISO 45003:2021)

This standard provides guidelines for managing psychosocial risk within an occupational health and safety (OH&S) management system based on ISO 45001, “Occupational health and safety management systems – Requirements with guidance for use”. It enables organisations to prevent work-related injury and ill health of their workers and other interested parties, and to promote well-being at work.

It is applicable to organisations of all sizes and in all sectors, for the development, implementation, maintenance and continual improvement of healthy and safe workplaces.,

Comment period: 7 January to 8 March 2022

Revision

10. Code of practice for selection, use and maintenance of respiratory protective devices (Revision of SS 548:2009)

This standard covers the selection, use, and maintenance of respirators and contains recommendations for establishing a respiratory protection programme. It also addresses the use of respirators to protect persons against the inhalation of contaminants and oxygen-deficient atmospheres in the workplace.

This revision provides additional information and clarification on the use of respiratory protective devices in healthcare against biohazards. The components of a respiratory protection programme have been further defined to align with global standards and local industry practices. More information on fit test operator competency checklist, types and selection of fit test methods, medical evaluation for respirator use, as well as proper selection, use and maintenance of respiratory protective devices have also been included.

Users of the standard include those responsible for health and safety in the workplace, suppliers, buyers, manufacturers, service providers, end users, training providers and relevant government agencies.

Comment period: 24 January to 25 March 2022

Withdrawal

11. Occupational safety and health (OSH) management systems

Part 1: Requirements (SS 506-1:2009)

Part 2: Guidelines for the implementation of SS 506 : Part 1 : 2009 (SS 506-2:2009)

These two standards are recommended for withdrawal as:

- OHSAS 18001, “Occupational health and safety management systems – Requirements” has been replaced by ISO 45001:2018; and
- OHSAS 18002, “Occupational health and safety management systems – Guidelines for the implementation of OHSAS 18001:2007” will be replaced by ISO 45002, “Occupational health and safety management systems – General guidelines for the implementation of ISO 45001:2018” when it is published at a later stage.

NOTE – In early 2018, it was announced that ISO 45001 would replace OHSAS 18001 and organisations already certified to OHSAS 18001 would have a three-year migration period, from March 2018 to March 2021, to comply with the new ISO 45001 standard. Due to the COVID-19 outbreak, the transition period for migrating accredited certifications was extended to 30 September 2021.

Comment period: 7 January to 8 March 2022

Copies of the drafts and standards are available at:

Viewing from Singapore Standards eShop

Login to Singapore Standards eShop at: www.singaporestandardseshop.sg

[Login ► Go to Menu (3 bars for mobile users) ► Our Products ► Singapore Standards ► Drafts ► Select document]

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Mon to Fri: 9.30 am to 6.00 pm

Closed on Saturdays, Sundays and Public Holidays

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) Quality and Safety

1. Occupational health and safety management systems – General guidelines for the implementation of ISO 45001:2018 (Identical adoption of upcoming ISO 45002)

This standard provides guidance on the establishment, implementation, maintenance and continual improvement of an OH&S management system that can help organisations conform to ISO 45001:2018.

It is applicable to organisations of all sizes and in all sectors, for the development, implementation, maintenance and continual improvement of healthy and safe workplaces.

NOTE – The document is currently under development by ISO and is at the Draft International Standard (DIS) stage. It is projected to be published in August 2022.

2. Occupational health and safety management – Guidelines on performance evaluation (Identical adoption of upcoming ISO 45004)

This standard provides guidance on how to monitor, measure, analyse, evaluate and continually improve OH&S performance and the OH&S management system effectively in an organisation.

It is applicable to all organisations regardless of type, size, risk profile or location and can be used to support occupational health and safety management systems, including those based on ISO 45001.

This standard incorporates ways to:

- measure OH&S performance at different levels of the organisation;
- monitor, measure, analyse and evaluate the performance of the overall OH&S management system and each of its element;
- select and develop performance evaluation indicators;
- link OH&S performance evaluation to planning and setting improvement objectives and sustainability of resources;
- promote continual improvement of health, safety and well-being at work; and
- consider unintended consequences or limitations of KPIs (i.e. under reporting).

NOTE – The document is currently under development by ISO and is at the Working Draft (WD) stage. It is projected to be published in January 2024.

3. Occupational health and safety management – Preventing and managing infectious diseases – Guidelines for organisations (Identical adoption of upcoming ISO 45006)

This standard provides guidelines on how organisations can prevent exposure to infectious agents and manage the risks associated with infectious diseases that:

- may cause severe ill health or death and can impact the safety and well-being of workers and relevant interested parties; and
- present a lower health risk yet can have a significant impact on the organisation, its workers and relevant interested parties.

It is applicable to organisations of all sizes and sectors.

NOTE 1 – The document is currently under development by ISO and is at the WD stage. It is projected to be published in October 2023.

NOTE 2 – Applicable legislation and guidance is provided by government, regulators and health authorities for specific infection controls for the protection of workers in clinical settings and other healthcare settings and for work activities on or with pathogenic microorganisms.

4. Technical Reference – Occupational health and safety management – General guidelines for safe working during the COVID-19 pandemic (Identical adoption of ISO/PAS 45005:2020)

This standard gives guidelines for organisations on how to manage the risks arising from COVID-19 to protect work-related health, safety and well-being.

It is applicable to organisations of all sizes and sectors, including those that:

- have been operating throughout the pandemic;
- are resuming or planning to resume operations following full or partial closure;
- are re-occupying workplaces that have been fully or partially closed; and
- are new and planning to operate for the first time.

This standard also provides guidance relating to the protection of workers of all types (e.g. workers employed by the organisation, workers of external providers, contractors, self-employed individuals, agency workers, older workers, workers with a disability and first responders), and other relevant interested parties (e.g. visitors to a workplace, including members of the public).

5. Quality requirements for fusion welding of metallic materials – Part 6: Guidelines on implementing ISO 3834 (Identical adoption of upcoming ISO/TR 3834-6)

This standard provides guidelines for the implementation of requirements given in the other parts of ISO 3834, and is intended to help manufacturers and users select that part of SS ISO 3834 appropriate to their needs. It is expected that they will already be familiar with SS ISO 3834 as a whole.

Potential users of the standard include testing, inspection and certification bodies, industry associations, professional institutions, academic institutions, training providers, building contractors, steel fabricators and manufacturers, suppliers, buyers, service providers, end users, welders and relevant government agencies.

NOTE 1 – The document is currently under development by ISO and is at the Community Draft (CD) stage. It is projected to be published in March 2023.

NOTE 2 – Parts 2, 3 and 4 of this series on fusion welding have already been adopted as Singapore Standards and are now published.

NOTE 3 – Part 1 and 5 of this series on fusion welding are undergoing public comment from 3 December 2021 to 4 February 2022.

Comment period for the above quality and safety standards: 7 January to 8 February 2022

(II) **Services**

6. Geragogy guidelines for senior learners

This standard provides guidelines on the following key aspects:

- Understanding the needs and challenges of seniors;
- Teaching methodologies; and
- Traits of an effective trainer.

Potential users of the standard include training partners of National Silver Academy, Ministry of Health, Council for Third Age and Singapore Retailers Association.

Comment period: 7 January to 8 February 2022

B.2 Proposal for the Review of Singapore Standards

Quality and Safety

Occupational health and safety management systems – Requirements with guidance for use (Revision of SS ISO 45001:2018) (Identical adoption of upcoming ISO 45001)

This standard specifies requirements for an OH&S management system, and gives guidance for its use, to enable organisations to provide safe and healthy workplaces by preventing work-related injury and ill health, as well as by proactively improving its OH&S performance.

This standard is applicable to any organisation that wishes to establish, implement and maintain an OH&S management system to improve occupational health and safety, eliminate hazards and minimise OH&S risks (including system deficiencies), take advantage of OH&S opportunities, and address OH&S management system nonconformities associated with its activities.

Users of the standard include testing, inspection and certification bodies, industry associations, professional institutions, academic institutions, training providers, suppliers, buyers, manufacturers, service providers, end users and relevant government agencies.

Comment period: 7 January to 8 February 2022

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](#).