



KEY AMENDMENTS TO FIRE CODE 2018

The Fire Code is a living document reviewed periodically by the Singapore Civil Defence Force (SCDF). To-date, there is a total of ten batches of amendments to Fire Code 2018 issued to the construction industry.


These proposed plans of fire safety works for new/existing buildings shall be subjected to the amendments depending on the issuance date and future dates stipulated in the SCDF circular.

It is imperative that Qualified Persons (QPs), architects, engineers, designers and site supervisors to be familiarised quickly with the Fire Code amendments to minimise gaps in its implementation.


IES has organised this webinar with the objective to provide a platform for industry practitioners to have a better understanding on the relevant amendments to Fire Code 2018 to improve efficiency in fire safety design and implementation.


Topics Include:


- Amendments to Fire Code 2018 – 9th and 10th
- Common Mistakes Picked up During Plan Audits
- Dust Hazard Identification and Dust Hazard Analysis to SS667
- Case Study on Fire Safety Design for New Erection of 2 nos. of Industries Warehouses, Tank Farm and Jetty Construction Project at Jurong Island

 Friday, 8 July 2022

 2.00 PM - 6.00 PM

 Via Zoom Webinar

 \$42.80 (IES/ ACES / IFE MEMBERS)
\$53.50 (Non Members)

 3 STUs (M&E) / 5 CPD (FSM) – Approved and Confirmed
3 PDUs for PEs and CEngs – Approved and Confirmed
STUs (Structural) – To Be Confirmed



SPEAKER

LTC LIM WEE SIANG

Principal Consultant
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SPEAKER

CPT LIM HOONG TA

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SPEAKER

MR FELIPE ONG

Head
Industrial Explosion Protection
Division



SPEAKER

ER. JEFFREY TAN

Managing Director
TCP Consultants Pte Ltd



MODERATOR

ER. SIMON LEE

IES Council
Bescon Consulting Engineers Pte

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ABOUT SPEAKERS AND PROFILE

AMENDMENTS TO FIRE CODE 2018 – 9TH AND 10TH

This presentation covers the key changes to fire safety requirements pertaining to the circulars issued by SCDF on “Amendments to Fire Code – 9th & 10th batch of amendments” issued to the building industry on 1 Sep 2021 and 1 Mar 2022 respectively. Other than highlighting the changes, this presentation will also discuss the rationale for such changes.

LTC Lim is currently a Principal Consultant in the Industrial & Institution Design Branch, Fire Safety Department. His core duties include auditing of building and M&E plans, processing of waivers, providing consultation to the members of public/Qualified Persons as well as conducting site inspections for projects applying for Temporary Fire Permit/Fire Safety Certificate.

He has also held various positions previously, including Senior Staff Officer for Exercise Planning, Commander Clementi Fire Station, etc.

COMMON MISTAKES PICKED UP DURING PLAN AUDITS

Plans of fire safety works that are certified by Qualified Persons and submitted to SCDF for approval may be subject to audit checks. This presentation highlights the common administrative errors such as missing endorsement and information and design non-compliances of fire safety requirements identified during audit checks.

CPT Lim has been with the Fire Safety Department (FSD) from May 2020. He is currently a Consultant in Residential & Commercial Design Branch and his role includes auditing plans, processing of waivers and conducting site inspections.

CPT Lim graduated with B.Eng (Aerospace) and PhD from NTU in 2012 and 2017 respectively.

DUST HAZARD IDENTIFICATION AND DUST HAZARD ANALYSIS TO SS667

In response to increased Global demand for materials such as Foodstuff, Chemicals Pharmaceutical preparations, Wood & Metal Products, the Processing of combustible material is growing rapidly!

Several fatal accidents, including those in Sugar Industry in early 2008 and Kunshan China in August 2014 in the Automotive industries, have reminded us how processing of these materials can be dangerous to personnel and equipment.

SS667, published in 2020 by Singapore Standard Council just after the high-profile Dust Explosion case in Tuas 24th Feb 2021 provide a comprehensive information on code of practice for handling, storage, and processing of combustible dust.

Mr Felipe Ong has over 32 years of industrial working experiences. He has over 20 years of experiences in Explosion Protection Technologies with BS&B Safety Systems: a leading Global Solution provider for mitigating Dust explosion Risk as Head of Asia Pacific (Industrial Explosion Protection).

His experience covers a wide variety of industry segments including Food, Feed & Beverage, Electronics, Sugar, Specialty Chemical, Pharmaceutical, Automotive, Woods Products, Pulp & Paper, Petrol Chemical, Metal, Automotive, Aerospace, Oil & Gas & Power Generation Industries.

CASE STUDY ON FIRE SAFETY DESIGN FOR NEW ERECTION OF 2 NOS. OF INDUSTRIES WAREHOUSES, TANK FARM AND JETTY CONSTRUCTION PROJECT AT JURONG ISLAND

Under the Singapore Fire Code 2018 legislation, Industrial warehouse is classified into Chemical and General warehouse. Different sets of requirement govern the fire safety design consideration. Understanding of the fire safety requirement is crucial in the planning of architectural layout, building services and type of fire protection system to be adopted.

This presentation shares the case study on the fire safety design requirement for the construction project involving erection of 2 Nos of new warehouses with jetty construction, ancillary office, tank farm and utilities building. The code compliance process and the challenges faced on the fire safety design issues are highlighted.

Er. Jeffrey Tan is the principal Consultant at TCP Consultants Pte Ltd. He has more than 30 years of experience in design consultancy and has keen interest in fire safety design. He has lead and successfully completed various building projects in industrial sectors especially in chemical plants, warehouses as Qualified Person for building plan and C & S Professional Engineer.

Er. Jeffrey Tan is currently representing the IES as committee member in the SCDF Fire code 2018 review committee and SCDF Petroleum and Flammable material (P & FM) committee.