



FIRE SAFETY AND SHELTER SEMINAR

Date & Time:

Session I - 19th Apr 2006
Session II - 20th Apr 2006
Session III - 21st Apr 2006

Session : 1400 hours to 1730 hours

* Repeated topics for session I, II & III
* Registration commences at 1345 hours

Venue: HQ SCDF
Auditorium (3rd storey)
91 Ubi Avenue 4
Singapore 408827

Fee: \$25.00 per person per session
(Inclusive of GST and refreshments)

Downloading of Papers presented will be made available in our website, www.scdf.gov.sg from 22 April 2006 till 22 June 2006. Participants **NRIC No.** and **Registration Id** are required for downloading.

Registration:

You may REGISTER at the customer service counter (at HQ SCDF) or Cut and paste the link below to access the web page for eRegistration:

http://www.scdf.gov.sg/General/E_Services/courses_seminars.html. Please follow the registration procedure, terms and condition carefully. Do register early to avoid disappointment.

Objective of Seminar:

To provide an update on the latest fire safety & shelter requirements.

Duration: 3 hours per session

Who should attend:

Qualified Persons (Registered Architects and Professional Engineers), Fire Safety Products Suppliers, Fire Safety Managers, Interior Designers, etc.

- CPD points accredited by PEB : Yet to be confirmed.
- CPD points accredited by BOA: 4 points
- Letter of attendance will be issued to the participants.

Vehicles Parking:

Due to the construction works to part of HQ SCDF driveway, limited parking spaces are available. Participants are advice to park their vehicles at the nearest HDB/URA parking lots available outside HQ SCDF, i.e. along Ubi Avenue 3 & Ubi Road. We're sorry for the inconvenience caused.

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Closing Date: 12th April 2006



Paper for Fire Safety and Shelter Seminar

19, 20 & 21 April 2006

Title, CVs & Synopsis

Paper 1

Title: Changes to the Fire Safety Requirements for Mass Rapid Transit System

Speaker: Cpt Choh Choon Jin

CV: Cpt Choh Choon Jin is currently the Enforcement Team Leader of Certification & Enforcement Branch of FSSD. He leads a team of officers to carry out enforcement checks of premises. Prior to the current posting, he was the Head of Commercial Section of Fire Safety Consultation Branch. His main duties include auditing of major plans and providing consultation to the QP and public.

Synopsis: The Standard for Fire Safety in Rapid Transit Systems had been revised and the 3rd edition of the Standard had been implemented as of **1st November 2005**. In reviewing the Standard, the Technical Committee took into consideration the recent changes made to NFPA 130: Standard for Fixed Guideway Transit and Passenger Rail systems, 2003 edition and the requirements in Code of Practice for Fire Precautions in Buildings 2002. In this regard, the current fire safety strategies for rapid transit systems need to be re-looked to address these new challenges. Wherever possible, the requirements had been harmonised to implement fire safety works to local conditions. This paper gives an insight into the proposed changes and new measures for fire safety works for rapid transit lines.

Paper 2

Title: Design and Installation of Exit Sign and Emergency Lighting

Speaker: Cpt Rachel Wong

CV: CPT Rachel Wong is currently the Fire Safety Consultant with the Residential & Others Section of Fire Safety Consultation Branch. She graduated with B. Sc (Building) from NUS in 1993.

Synopsis: This paper is part of a series of educational presentations, as requested by participants of previous seminars. The intention of this paper is to serve as an avenue of continual learning and explorative nugget on Fire Code 2002 pertaining to 'Exit Sign and Emergency Lighting'. This includes the discussion on adoption of photo-luminous exit signs to meet the evolving demands and challenges of the building industry.

Paper 3

Title: Use of Banner at the External Facade of Building

Speaker: Maj Lim Lam Kwang

CV: Head Commercial Section, Maj Lim is the officer in-charge of all commercial fire safety matters in FSSD and projects that are related to commercial matter. He represents FSSD in handling all the technical requirements pertaining conservation guidelines with URA and also rapid transit systems with LTA. He has to ensure that the code and guidelines under his purview are keep up to date with advances made in building design and building materials technology. He is also involved in collaboration with external bodies in research projects on fire safety technology.

Synopsis: Advertisement's banners & stickers have been used on the external façades of buildings and such materials could, in fire situation, cause fire to propagate from floor to floor through openings at the external walls of the building. FSSD has formulated a set of guidelines to restrict and address the fire risks involved in the use of materials for banners and stickers and would like to share with the QPs on some tips or dos & don'ts which QPs should be aware of for compliance of fire safety requirements.

Paper 4

Title: Changes to Product Listing Scheme for Fire Safety Materials

Speakers: LTA Tan Chung Yee

CV: Lta Tan Chung Yee is the Fire Safety Consultant of the Residential Section, Fire Safety and Consultation Branch of FSSD. He deals with the processing of Plans Auditing, Waiver and Consultation. He is currently the key person from FSSD liaising with PSB on material issues. Lta Tan was a Rota Commander of the Bishan Fire Station before he joined the FSSD in 2005. During his posting as a Rota Commander, he commanded a great number of fire incidents. Lta Tan graduated with B.Eng (Mechanical) from NTU in 2001

Synopsis: This presentation will give an update on changes made to the certification scheme for fire safety materials/products. It covers 3 main parts:

Part 1

Discuss on the need for FSSD to materialize the proposal to open up certification scheme to other testing laboratories.

Part 2

Explain the criteria of acceptance of:

- a. Other renowned standards with regards fire tests for fire resistance performances; and
- b. Testing laboratories for testing and certifying of fire safety materials/products.

Part 3

Walk through the revised list of fire safety materials/products and the acceptable test standards required for the purpose of product certification.

Paper 5

Title: The Fire Safety Requirements for Storage and Usage of Hazardous Materials

Speaker : Cpt Han Fook Kuang

CV: 7 years with FSSD. Head, Industrial Section, Fire Safety Consultation Branch. Graduated with B. Eng. (Mechanical Engineering) from UMIST (UK).

Synopsis: This topic covers the fire safety requirements for hazardous materials which include flammable/combustible liquids, compressed gas cylinders and Liquefied Petroleum Gas (LPG). The presentation will also touch on the fire safety requirements for general laboratory (using chemical and open flame) and biomedical laboratory (handling biological agents or toxins).

The speaker will also explain how CP40, NFPA55 and other standards could be best used to meet the fire safety requirements acceptable to SCDF. The disciplines of QP for such plan submission will be made clear in this presentation as well.

Paper 6

Title : Update on Revisions to Technical Requirements for Household & Storey Shelters

Speaker : CPT Keith Ting

CV: CPT Keith Ting deals with Special Installations in the Shelter Operation & Management Branch of FSSD. Besides dealing with sheltering for key installations, he provides consultation on CD shelter design requirements and processes shelter waiver applications. CPT Keith Ting was a Rota Commander of the Tuas Fire Station before he joined the FSSD, and also presented a paper focusing on staircase storey shelters during the FSSD Seminar held in October 2005.

Synopsis : This presentation will touch on the more recent changes made to the household shelter (HS) and storey shelter (SS) technical requirements that have been released through FSSD circulars in the past one year or so. Specific topics covered will be mostly on relaxation to clauses in the shelter code, the implementation of new sheltering initiatives, and to explain the benefits of these revisions to the building industry, mainly through increased flexibility in the design and layout dwelling units. These specific topics are: Introduction of design requirements for staircase SS, performance & design specifications for SS blast & rescue hatch, amendments to make HS technical requirements less onerous, and the revision of setback distance requirements. FSSD will also use this opportunity to provide updates on the HS/SS door notices and clarify on the product listing scheme (PLS) for SS doors.