



# FIRE SAFETY AND SHELTER SEMINAR

**Date & Time:**

Session I - 3<sup>rd</sup> Oct 2006

Session II - 4<sup>th</sup> Oct 2006

Session III - 5<sup>th</sup> Oct 2006

Timing : 1330 hours to 1730 hours

\* Repeated topics for session I, II & III

\* Registration commences at 1330 hrs

**Venue:** HQ SCDF

Auditorium (3<sup>rd</sup> storey)

91 Ubi Avenue 4

Singapore 408827

**Fee:** \$25.00 per person per session  
(Incl. of GST and refreshments)

Downloading of Papers presented will be made available in our website, [www.scdf.gov.sg](http://www.scdf.gov.sg) from 6 Oct 2006 till 6 Dec 2006.

Participants **NRIC No. and Registration Id** (issued upon on-line registration) are required for downloading.

**Registration:**

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

[http://www.scdf.gov.sg/General/E\\_Services/courses\\_seminars.html](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:** 4 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 : 3 Points
- CPD points accredited by BOA: 4 points
- Letter of attendance will be issued to the participants.

**Vehicles Parking:**

Due to limited parking spaces, participant is advice to park their vehicles at the nearest HDB/URA parking lots available outside HQ SCDF, i.e. at the open car park (as indicated on the right). A one-way ferry service will be provided to HQ SCDF. We're sorry for the inconvenience caused.

**NO COMPLIMENTARY PARKING TICKETS WILL BE ISSUED.**

**For Enquiry:**

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**Closing Date: 22 Sep 2006**



## Paper for Fire Safety and Shelter Seminar

3, 4 & 5 October 2006

Title, CVs & Synopsis

### Paper 1

**Title:** "Permissible Variations for Household Shelter Technical Requirements - Case Studies"

**Speaker:** CPT Lee Geok Seng Raymond

**CV:**

CPT Lee Geok Seng Raymond is the Senior Staff Officer Shelter Development in the Shelter Operations and Management Branch of Fire Safety and Shelter Department, involving in reviewing and updating of the guidelines, regulations and standards of shelter design and construction in line with the prevailing conditions. Prior to his current appointment, CPT Lee was a Senior Staff Officer in Plans & Policies Branch of Training Department for 3 years.

**Synopsis:**

There have been revisions made to the technical requirements for household shelter (HS), e.g. revision to setback distance, allowable HS form and shape, introduction of PLS for HS doors, etc. Circulars have been issued, pertaining to these revisions which are being incorporated in the updated HS Code. FSSD and BCA are continually exploring permissible variations of Household Shelter Technical Requirements. The purpose is also to expand a number of areas in the technical requirements frequently surfaced in waiver applications such as setback distances of HS walls, feasible locations of basement HS, thickness of HS ceiling slab, vis-à-vis provision of shielding elements, etc. This presentation, with case studies, aims to inform the building industry of the permissible variations that would allow them greater flexibility in design, such as the allowable configurations of different layouts, etc.

### Paper 2

**Title:** Fire Safety Requirements for Laboratories using Hazardous Materials

**Speaker:** Cpt Han Fook Kuang

**CV:**

8 years with FSSD

Current appointment: Head, Industrial Section, Fire Safety Consultation Branch. Graduated with B. Eng. (Mechanical Engineering) from UMIST (UK). Cpt Han plays a key role in reviewing many fire safety rules that affect the operation and practices in the industries; e.g. Guideline for LPG Installations and Guidelines for General Warehouses. He is a member of the SPRING's Working Group for CP 40 that is the basis for the revisions made with regard to this paper's contents.

**Synopsis:**

This topic covers the fire safety requirements for laboratory that are storing and using hazardous materials such as flammable/combustible liquids, compressed gas cylinders and Liquefied Petroleum Gas (LPG) etc. The presentation will also touch on the fire safety requirements for biomedical laboratory (handling biological agents or toxins).

### **Paper 3**

**Title:** Fire Safety Requirements on Storage of Diesel at Construction Worksite

**Speaker:** Cpt Aidil B Arshad

#### **CV:**

CPT Aidil possessed an honors degree in Mechanical Engineering from Aberdeen University, Scotland. Before joining SCDF he was involved worked in petrol chemical projects together with Exxon Mobil, ABB, JGC, Poval Asia and Seraya Chemical. CPT Aidil is currently the Fire Safety Consultant in the Industrial Section of Fire Safety Consultation Branch of FSSD.

#### **Synopsis:**

This topic covers the fire safety requirements on diesel storage at construction worksite. On 1st Jul 2005, the Fire Safety (Petroleum and Flammable Materials) Regulations 2005 were implemented. Under the new regulations, import, storage and transport of diesel are regulated by SCDF. Diesel is widely used in construction worksite for the heavy plants and generators. To supply to the heavy plants and generators, most construction worksites have own temporary diesel storage. Under the new regulations, construction sites need to comply with SCDF fire safety requirements. The presentation will cover these fire safety requirements in details.

### **Paper 4**

**Title:** Frequently Asked Questions During Fire Safety Consultations

**Speaker :** Maj Lim Lam Kwang

#### **CV:**

As Head Commercial Section, Maj Lim is the officer in-charge of all fire safety matters in commercial projects. He is the key person in FSSD that deals with technical requirements pertaining conservation guidelines and Rapid Transit Systems with LTA. His latest involvement is in co-coordinating for fire safety and security requirements for the Integrated Resort projects. He is also involved in collaborating with external bodies in research projects on fire safety. He was the Station Commander for Paya Lebar Fire Station before he took on the current post.

#### **Synopsis:**

The Walk-in Consultation was implemented as part of the Self-Regulation Scheme to allow QPs to consult FSSD on fire safety related matters. Since then, FSSD has experienced steadily increase in the number of consultation cases over the years. For the past few years, FSSD has gathered some valuable experiences and lessons arising from walk-in consultation and we will be sharing these facts and figures in this seminar. Also include in this session will be some tips or do & don't in which QP should be aware of and how they should do in order to comply with requirements.

## **Paper 5**

**Title:** Updates on Review of Fire Code 2002

**Speaker:** Mr Randy Tan & LTA Tan Chung Yee

**CV:**

Lta Tan Chung Yee deals with the processing of Plans Auditing, Waiver and Consultation. He is currently the Senior Officer of Commercial Section, Fire Safety and Consultation Branch of FSSD. Lta Tan is currently involved in the Fire code review committee. 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

**CV:**

Mr Tan Eu Seng, Randy has presented several papers on Fire Code updates in FSSD seminars, as he has been involved in the process of the fire code reviews in the past. He plays an active role in the producing of the six volumes of Fire Code Handbooks and the latest eight volumes of Fire Precaution in Buildings 2002. Currently, he is member of the Fire Code 2002 Review Committee and a Plans Audit Officer in Fire Safety Consultation Branch of FSSD

**Synopsis:**

In our ever changing environment, there is a need to adapt the Fire Code to meet future changes and challenges to the building industry. The review of the Fire Code 2002 is currently on-going with the participation of the representatives from the professional and tertiary institutions, related government agencies and the building sector. This paper is intended to inform and obtain feedback from the building industry of the proposed changes / amendments to the current Fire Code 2002 that has so far been approved by the Fire Code Review Committee.

## **Paper 6**

**Title:** An Analysis of the Commercial and Industrial Fire Situation: Case Studies of Recent Fire Incidents

**Speaker:** Major Derek Tan

**CV:**

MAJ Derek Tan is currently the Assistant Director (Fire Investigation) in Operations Dept. Since joining the SCDF, MAJ Tan has held various operational appointments in the fire stations, CD Divisions as well as in HQ SCDF Operations Dept. A mechanical engineer by training, he has more than 10 years of experience in fighting and investigating fires.

**Synopsis:** This topic/paper will deliver a presentation on case studies involving commercial and industrial fire occurrences in Singapore in recent years. It will aim to share the circumstances of the major fire cases and highlight key learning points of relevance to building professionals and owners in the prevention and management of fires.

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