



SCDF
The Life Saving Force

Annual Fire Safety Engineer (FSE) Dialogue Session

Friday 17 March 2017

2.30pm to 5pm

SCDF HQ

City Campus Level 3 Lecture Room 1A



Proposed program

Time	Item	Action
2.30pm to 3pm	Registration	
3pm to 5.30pm	- PB regulatory system (updates)	LTC Tong HH
	- Continual Professional Education program (updates)	LTC Tong HH
	- Introduction to Fire Safety Engineer (FSE) portal (new)	LTC Tong HH
	- Sharing on Markup drawings	Mr Nicholas Lee
	- Guidance on common fire engineering design issues/parameters - Eg. jet-fan, mandatory submission of source codes, etc	Mr Nicholas Lee
	- Q & A	FSEs
5.30pm	End	



PB regulatory system (updates)



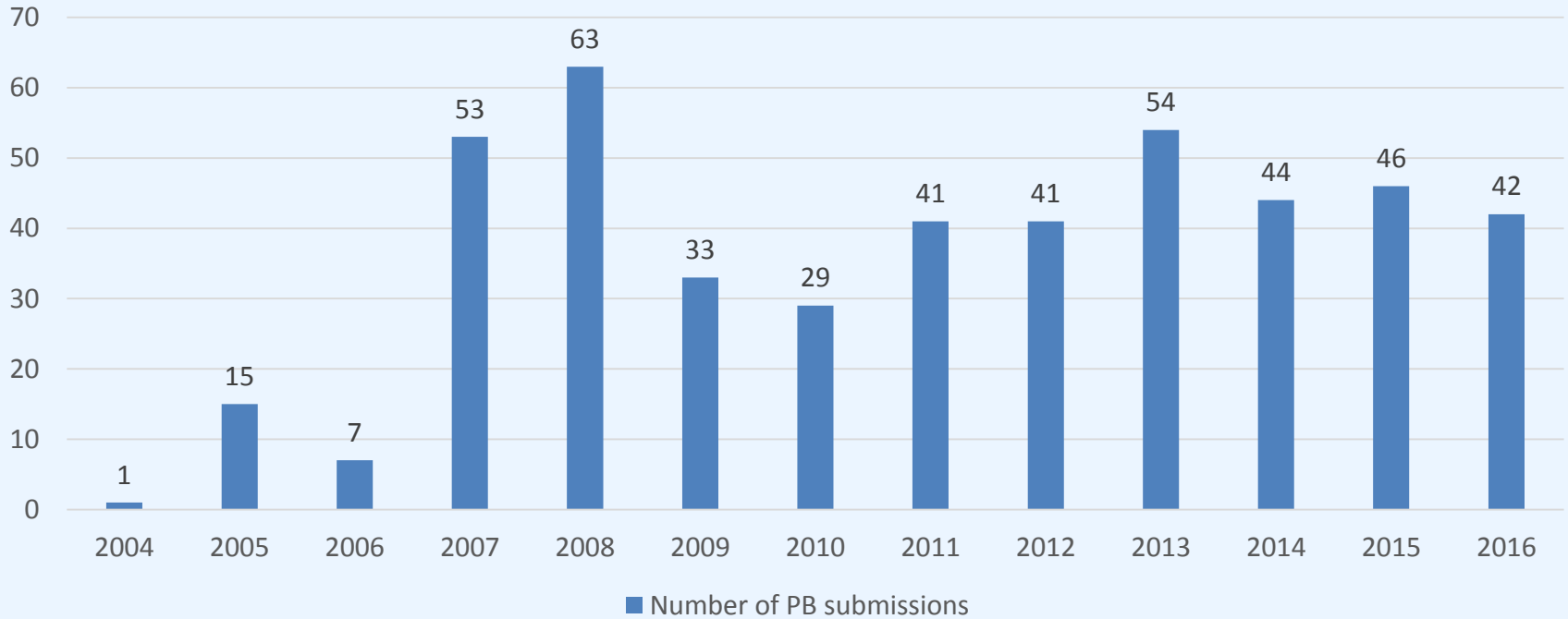
FSE registration

2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
40	11	5	7	8	7	3	0	5	2	1	3	0	0

- ✓ Deregistered 15 FSEs
- ✓ Current total remaining FSEs - 77



Number of PB cases



Continuing Professional Education Programme (updates)



List of approved courses (2016)

S/No	Title	Course Organiser	Venue	Date	CPE hours
1	Fire Safety Asia Conference	Fleming	KL. Malaysia	24-25 Feb 16	12
2	11 th Conference on Performance-Based Codes and Fire Safety Design Method	SFPE	Warsaw, Poland	23-25 May 16	21
3	Interflam 2016 (14 th international conference)	-	UK	4-6 July 16	22
4	PB design for fire safety (Holistic Smoke Management strategy)	BCA Academy	Singapore	30-31 Aug 16	14
5	Fire design of steel and composite structures to EC3 and EC4	NTU	Singapore	19-20 Sep 2016	12
6	Introduction to Pyrosim and engineering applications	BSD	Singapore	24 Oct 2016	7
7	Advanced Pyrosim and engineering applications	BSD	Singapore	25-26 Oct 2016	14
8	Pathfinder and engineering applications	BSD	Singapore	27-28 Oct 2016	14
9	High occupancy fire engineering and emergency response conference	IFE Australia	Australia	27-28 Oct 2016	10
10	Future opportunities in fire engineering	Engineers Australia (Society of Fire Safety)	Australia	7 Dec 2016	2

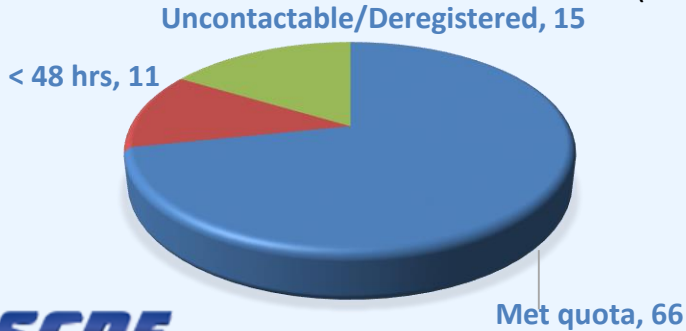
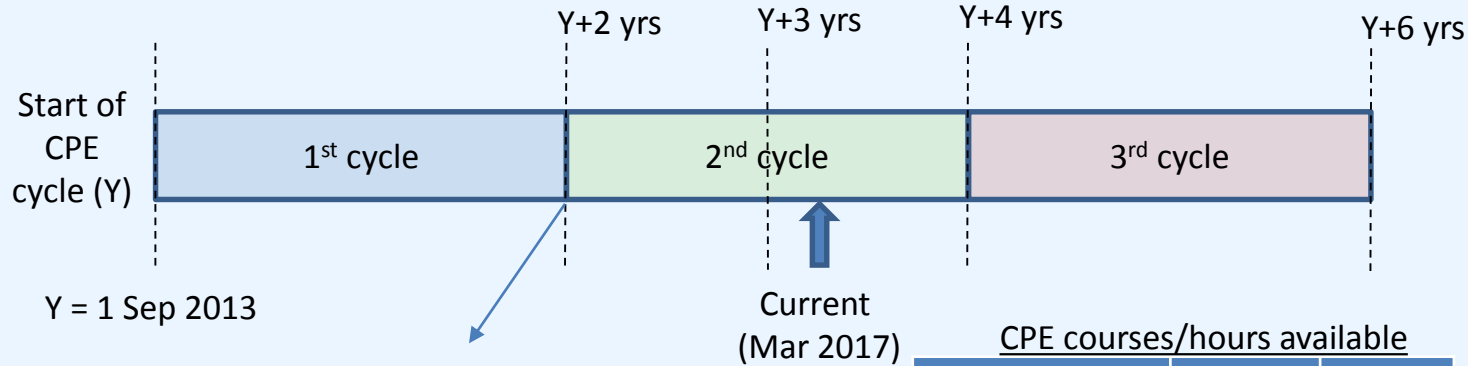
List of approved courses (2017)

S/No	Title	Course Organiser	Venue	Date	CPE hours
1	SFPE Middle East pre-conference (PB design & codes)	SFPE	Dubai	19 Mar 2017	7
2	SFPE Middle East pre-conference (Smoke Control)	SFPE	Dubai	20 Mar 2017	7
3	SFPE Middle East conference	SFPE	Dubai	22-23 Mar 2017	12
4	FDS workshop (open to SHEVS IFT staff only)	BSD	Singapore	13-15 Mar 2017	22.5
5	Pyrosim workshop	BSD	Singapore	16 Mar 2017	7
6	12 th IAFSS Symposium	IAFSS	Sweden	Jun 2017	pending
7	2 nd International Fire Safety Symposium	Fire Safe Europe	Italy	Jun 2017	pending
8	19 th International Conference on Fire Safety Science & Technology	WASET	UK	Sep 2017	pending
9	SFPE Montreal 2017 North America Conference & Expo	SFPE	USA	Oct 2017	pending
10	Fire Safety Asia Conference	NFEC	Singapore	Nov 2017	pending



CPE Programme

- Attain minimum 48 CPE hours for every 2 year-cycle. Cycle starts on:
 - 1 Sep 2013 (for FSEs registered before 1 Sep 2013)
 - FSE registration date (for FSEs registered after 1 Sep 2013)

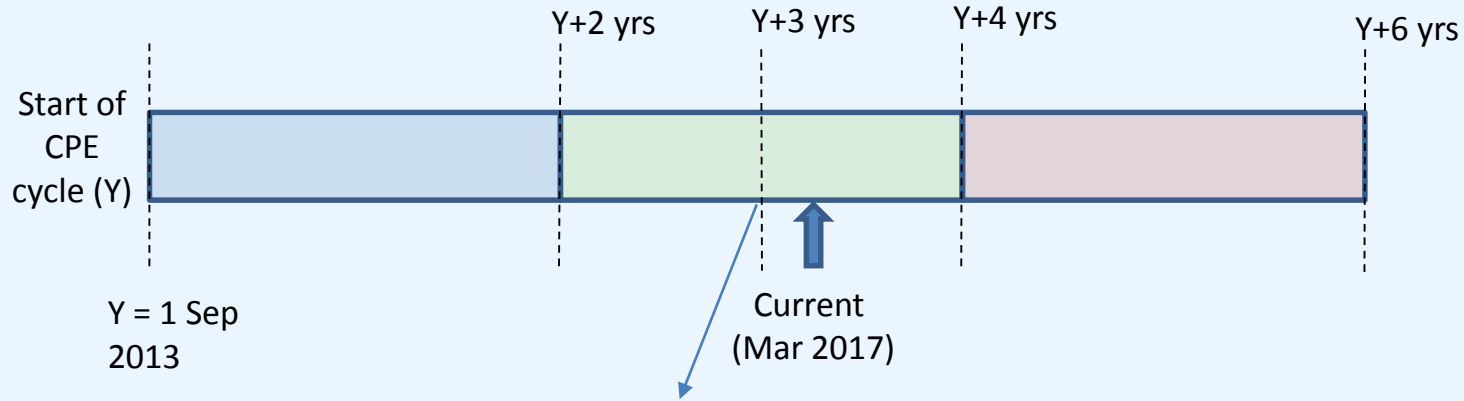


CPE courses/hours available

Period	No. of courses	Total hours
Before Sep 2013	6	81
Sep 2013 to Aug 2014	14	194
Sep 2014 to Aug 2015	14	211



Extension of time

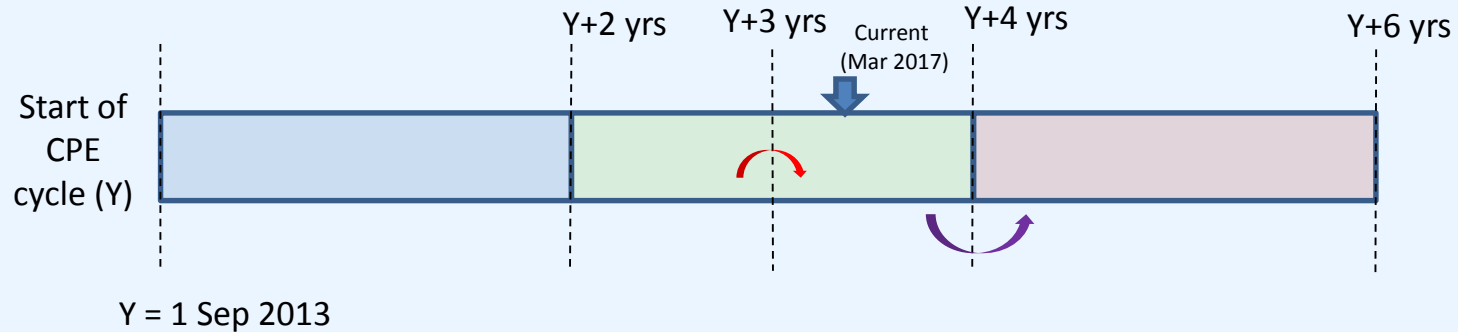


- 11 FSEs granted additional one year to make up for shortfall
 - ✓ 7 met quota
 - ✓ 4 did not meet quota

Courses/hours available

Period	No. of courses	Total hours
Sep 2015 to Aug 2016	14	123

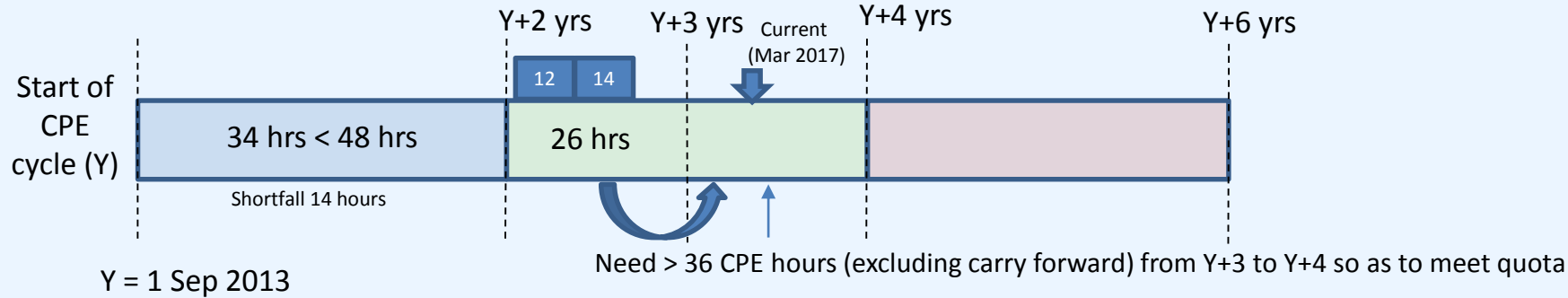
Further extension of time



- To allow further extension of time to meet shortfall if CPE quota not met? **No.**
 - For 1st cycle at Y + 3
 - For 2nd cycle at Y + 4



Carry over of CPE hours (Example)



Can we bring over additional 12 hrs to be considered next cycle?

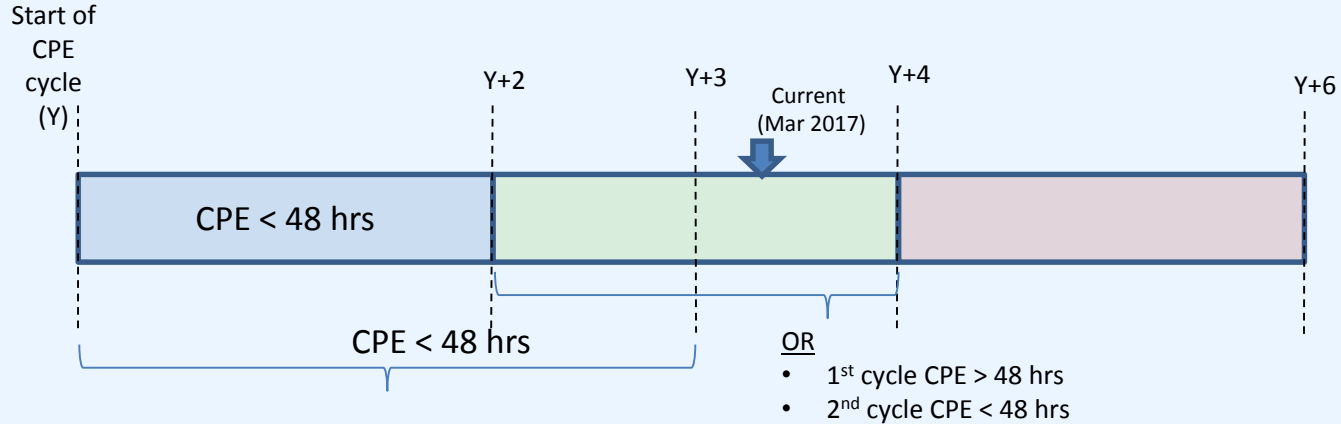
- Yes. Allow carry over of remaining hours (up to max 24 CPE hrs)



- Allow extra hours (up to 24 CPE hrs) to be carried forward



Failure to meet CPE hours



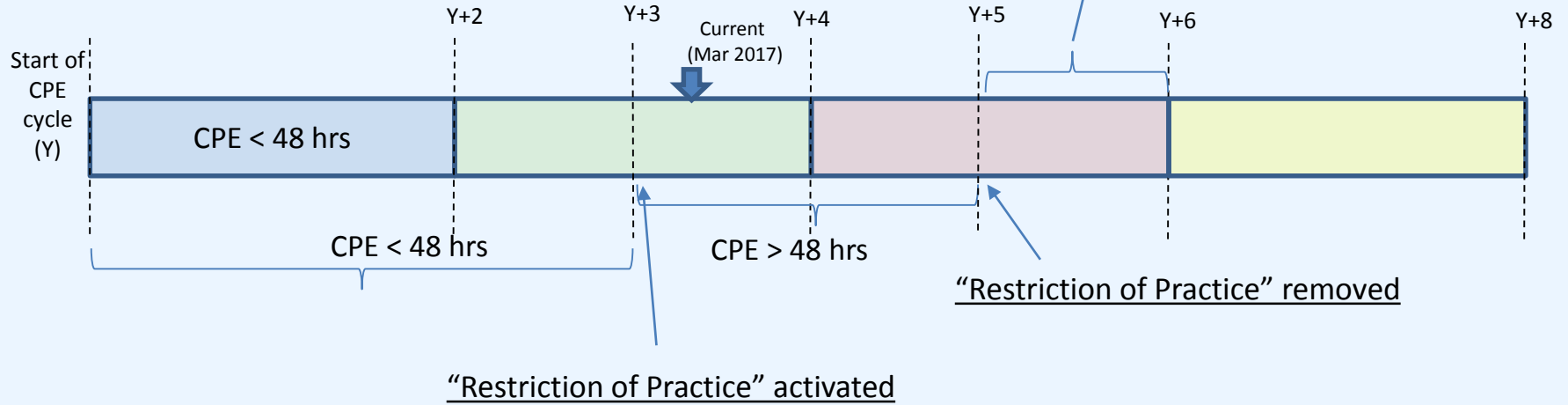
List status as “**Restriction of Practice**” vs “**Practice**” in the upcoming FSE portal

- FSE status in FISOPS will be deactivated – Unable to submit PB plans & reports
- Allow reinstatement once they fulfill 48 CPE hours within a 2 year period
 - From the point of reinstatement to the end of the FSE’s cycle, need to attain pro-rated CPE hours to maintain status.



Example

For this period, need to achieve pro-rated CPE of 24 hrs or more



Questions?



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Introduction to FSE portal (new)



E-FSE system

Objectives

- Automate existing manual processes and reduce errors
- Allow FSEs to monitor and update their own records

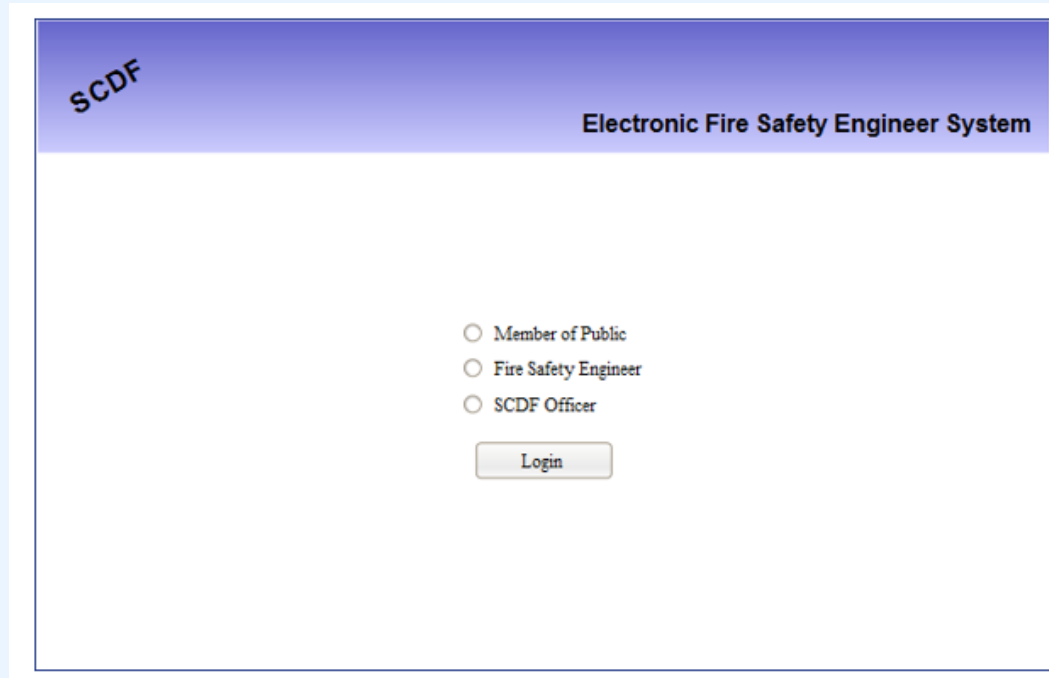
Functions

- Public -
 - View list of currently registered FSEs
 - Apply to be registered FSE
- FSE –
 - Check their status and update personal particulars/records
 - Submit and monitor their own CPE records
 - ***Responsibility is still on FSEs themselves to maintain CPE hours (system is to facilitate tracking only)***
 - Receive auto-notifications for approved CPE courses & regular (monthly?) auto-reminders on CPE hrs clocked for current cycle via emails (***No further email reminders if CPE hrs < quota***)
- SCDF – perform admin functions relating to FSE



Login

- Most functions require login via SingPass



The screenshot shows a web interface for the SCDF Electronic Fire Safety Engineer System. The header is purple with 'SCDF' on the left and 'Electronic Fire Safety Engineer System' on the right. The main content area is white and contains three radio button options: 'Member of Public', 'Fire Safety Engineer', and 'SCDF Officer'. Below these options is a 'Login' button.



Public - Apply for FSE

SCDF	
Electronic Fire Safety Engineer System	
Apply for FSE	Member of Public - Home
	LOGIN ID : S1234567A
Enquiry FSE	Welcome
Home	Announcement from SCDF qwertyuiopasdfghjklzxcvbnm qwertyuiopasdfghjklzxcvbnm qwertyuiopasdfghjklzxcvbnm qwertyuiopasdfghjklzxcvbnm
Logout	Application Status Application Status: Pending

Member of Public - Apply for FSE			
LOGIN ID : S1234567A			
FSE Application 2/4			
Please provide us with as much information as possible. Fields marked with * are mandatory.			
Work Experience			
Major Projects			
Project 1:	<input type="checkbox"/> N.A.		
Name:	<input type="text" value="ABC Building"/>	To Date (DD/MM/YYYY):	<input type="text"/> <input checked="" type="checkbox"/> Ongoing
* From Date (DD/MM/YYYY):	<input type="text" value="10/10/2010"/>	* Nature of Work Performed:	<input type="text" value="xxxxxxxx"/>
Appointment / Post:	<input type="text" value="Architecture Engineer"/>		
Project 2:	<input checked="" type="checkbox"/> N.A.		
Name:	<input type="text"/>	To Date (DD/MM/YYYY):	<input type="text"/> <input type="checkbox"/> Ongoing
* From Date (DD/MM/YYYY):	<input type="text"/>	* Nature of Work Performed:	<input type="text"/>
Appointment / Post:	<input type="text"/>		
Project 3:	<input checked="" type="checkbox"/> N.A.		
Name:	<input type="text"/>	To Date (DD/MM/YYYY):	<input type="text"/> <input type="checkbox"/> Ongoing
* From Date (DD/MM/YYYY):	<input type="text"/>	* Nature of Work Performed:	<input type="text"/>
Appointment / Post:	<input type="text"/>		



Public – View list of FSEs & their status (example)

Registration Number	Date of Registration	Full Name	Correspondence Address/E-mail Address	Contact Number (Office/Home/H P)	Remarks*	Status
001	1 st July 2004	[REDACTED]	Blk 306 Ubi Ave 1 #02-187 S(400306) Email: eslim88@singnet.com.sg	67422032 (O)	PE (Civil)	Practice
002	1 st July 2004	[REDACTED]	180 Bencoolen St #02-02 The Bencoolen S(189646) Email: dchart@singnet.com.sg ; dchart2008@hotmail.com		RA	Practice
003	1 st July 2004	[REDACTED]	Blk 205 Bukit Batok St 21 #08-46 S(650205) Email: danc2d@singnet.com.sg	90238448 (HP)	PE (Mechanical)	Practice
004	1 st July 2004	[REDACTED]	Blk 73 Telok Blangah Heights #08-311 S(100073) Email: matthewkwk@yahoo.com.sg	98505637 (HP)	PE (Mechanical) RI (M&E)	Practice
006	1 st July 2004	[REDACTED]		62788878 (O)	RA	Restriction of Practice
007	1 st July 2004	[REDACTED]	CCA and Partners Pte Ltd 2 Leng Kee Road, #04-10 Thye Hong Centre S(159086) Email: james_lee@cheechoon.com	96945065(HP)	PE (Mechanical)	Practice
008	1 st July 2004	[REDACTED]	SHEVS IFT Consultants Pte Ltd 155 Kallang Way #05-11 S(349244) Email: roger_lim@shevs-services.com	68121399 (O) 68121390 (Fax) 90120853 (HP)	PE (Mechanical) RI (M&E)	Practice
009	1 st July 2004	[REDACTED]	5 Chapel Close Singapore (429562) Email: kamfook.low@gmail.com	96786865 (HP)	PE (Civil) RI (Arch)	Practice

Certain fields may be hidden for **Data Privacy** depending on FSE's preference (can be amended by FSE the system)



FSE – Check current status and CPE hours

SCDF		Electronic Fire Safety Engineer System	
Update FSE Profile	Fire Safety Engineer (FSE) - Home		
Manage CPE Course	LOGIN ID : S1234567A		
Home	<i>Welcome</i>		
Logout	Announcement from SCDF qwertyuiopasdfghjklzxcvbnm qwertyuiopasdfghjklzxcvbnm qwertyuiopasdfghjklzxcvbnm qwertyuiopasdfghjklzxcvbnm		
	FSE Status Reg No: 1234 FSE Status: Practice FSE Cycle: 01/01/2017 - 31/12/2018 CPE Hours Required: 48 CPE Hours Attained: 35		



FSE – Update FSE profile

* NRIC / FIN:	S760	Photo Attachment (size: <100K, Format: GIF, PNG, JPEG or BMP):	<input type="text"/>	<input type="button" value="Browse"/>
* Name:	MAK	Building Name:	<input type="text"/>	
* Address Type:	Apt Bldg	* Street Name:	TOH	<input type="text"/>
* Block / House No:	286D	* Unit no:	<input type="text"/>	
* Postal Code:	<input type="text"/>	* Home no:	68993114	
Employment Pass Expiry Date (DD/MM/YYYY):	<input type="text"/>	* Handphone no:	<input type="text"/>	
* Date of Birth (DD/MM/YYYY):	06/01/1992	* Nationality:	Singapore Citizen	
* Race:	Chinese	Alternative Email Address 1:	<input type="text"/>	
* Email Address:	charles@gmail.com	Alternative Email Address 2:	<input type="text"/>	
Alternative Email Address 3:	<input type="text"/>	Alternative Email Address 3:	<input type="text"/>	



FSE – View list of available courses and check courses attended

Fire Safety Engineer (FSE) - Manage CPE Course

LOGIN ID : S1234567A

Course Enquiry

[Courses Attended \(5\)](#)
[CPE Hours Submission Applications \(5\)](#)

Start Date End Date

List of course(s) that matches the search criteria (Click to view details)

12 matching records

Page 1 2 [First] | [Previous] | [Next] | [Last]

S/N	Course Name	Date
1	FSE Briefing - 2017.01.05	05/01/2017
2	Fire Protection System in Buildings	23/01/2017
3	FIRE SAFETY ENGINEERING ASSESSMENTS – A RISK BASED PRACTICAL APPROACH	16/02/2017 - 17/02/2017
...		



FSE – Submit certificates for award of CPE hours

Process Flow

FSE receive auto-notification of approved courses

FSE attends a course

FSE submits certificate for SCDF approval via E-FSE after completing course

FSE receives notification that his submission is approved/rejected

*If approved, system will add course & CPE hours to FSE's records

The screenshot displays the 'Fire Safety Engineer (FSE) - Manage CPE Course' interface. At the top, it shows the user's login ID as 'S1234567A'. Below this is the 'Course Information' section, which lists the following details:

- Course Name: FIRE SAFETY ENGINEERING ASSESSMENTS – A RISK BASED PRACTICAL APPROACH
- Organiser: The Institution of Fire Engineers (UK) Singapore branch
- Date: 16/02/2017 - 17/02/2017
- Time: 8:30am to 6:00 pm
- Duration: 16 hours
- Venue: Novotel Singapore Clarke Quay, 177A, River Valley Road
- Description: Objectives of workshop
 - > To discuss the fire risk analysis and mitigation process from a
 - > To develop a performance based alternative solution comprising
 - > Achieve levels of fire safety beyond what the Building codes pr
 - > Case study of a (hypothetical) multi-storey building constructeThe workshop format and program
 - > The workshop will be conducted in an interactive format. The c

At the bottom of the interface, there is a 'Submit CPE Hours' section with an 'Upload Cert Here' text box, a 'Browse' button, and 'Submit' and 'Back' buttons.

Questions?



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