

SINGAPORE CIVIL DEFENCE FORCE

Our Ref. : CD/FSSD/12/02/03/01

Your Ref : -

Date : 3 Dec 2013



HQ Singapore Civil Defence Force
91 Ubi Avenue 4
Singapore 408827
Tel : 68481457
Fax : 68481493

Registrar, Board of Architects (BOA)
Registrar, Professional Engineers Board (PEB)
President, Singapore Institute of Architects (SIA)
President, Institution of Engineers, Singapore (IES)
President, Association of Consulting Engineers, Singapore (ACES)

Dear Sir/Mdm

RESPONSIBILITIES OF REGISTERED INSPECTORS (RIs) FOR ARCHITECTURAL (ARCH) & MECHANICAL & ELECTRICAL (M&E)

Currently, the principle of scope of responsibilities for RI (Arch) and RI (M& E) under Part I and Part II to First Schedule of the Fire Safety (Registered Inspectors) Regulations 1994 is defined in such a way that RI (Arch) is responsible for provision, and RI (M&E) is for verifying and testing of fire safety systems in premises.

2 With the latest inclusion of PWD (Persons With Disabilities) requirement in the Fire Code, there was suggestion received to reflect this PWD item in the RI schedules, so as to have clearer delineation of responsibility/understanding relating to this PWD between the RIs of the two disciplines.

3 In response to this, SCDF has updated the RI schedules to reflect the PWD's provisions and verifying / testing of fire safety systems accordingly. The revised scope of duties of respective RIs was presented and accepted by the FSSD Standing Committee on 25 November 2013. See Annex A for the revised version of Part I & II.

4 We seek your assistance to convey the contents of this circular to your members. The circular is also made available for viewing in CORENET-einfo:<http://www.corenet.gov.sg/einfo> and SCDF internet website – <http://www.scdf.gov.sg>.



5 For enquiry or clarification, please contact MAJ Ang Oon Chye, Central Enforcement Department of HQ SCDF at 68481420.

Yours faithfully,

(transmitted via e-mail)

MAJ Tan Chung Yee
Secretary, FSSD Standing Committee
Fire Safety and Shelter Department
for Commissioner
Singapore Civil Defence Force

Cc

CEO, BCA
CEO, URA
CEO, HDB
CEO, JTC
CE, LTA
CE, SPRING Singapore
President, REDAS
President, IFE
President, SISV
President, FSMAS
President, SCAL
Honorary Secretary, SPM
FSSD Standing Committee

SCOPE OF FIRE SAFETY WORKS TO BE INSPECTED BY APPROPRIATE REGISTERED INSPECTORS

A registered inspector who —

(a) is an architect registered under the Architects Act (Cap. 12) or a professional engineer in the civil or structural engineering discipline registered under the Professional Engineers Act (Cap. 253) shall inspect and, unless otherwise provided, test the fire safety works listed in Part I;

(b) is a professional engineer in the mechanical or electrical engineering discipline registered under the Professional Engineers Act shall inspect and test the fire safety works listed in Part II;

(c) is a fire safety engineer and either an architect registered under the Architects Act or a professional engineer in the civil or structural engineering discipline registered under the Professional Engineers Act shall inspect and, unless otherwise provided, test the fire safety works listed in Part I and that part of the fire safety works using the alternative solution;

(d) is a fire safety engineer and a professional engineer in the mechanical or electrical engineering discipline registered under the Professional Engineers Act shall inspect and test the fire safety works listed in Part II and that part of the fire safety works using the alternative solution.

PART I (RI Architectural)

- Means of Escape
 - Determination of exit requirements
 - Means of escape requirements
 - Exit signs and directional signs
 - Provision of exit lightings, emergency lightings (self-contained light fittings only), and low level photo luminescent signs

- Structural Fire Precautions:
 - Compartment walls and floors
 - Elements of structure
 - External walls
 - Separating walls
 - Protected shafts and lift shafts
 - Protection of openings
 - Exit staircases
 - Concealed spaces
 - Fire stopping

- Restriction of flame spread
- Roofs
- Materials for construction

- Site planning and external fire fighting provisions:
 - Provision for external access to building for fire fighting and accessibility of site to fire fighting appliances
 - Access to buildings with rising mains
 - Hydrants

- Fire Fighting Systems (Provisions Only):
 - Automatic and manual fire alarm systems
 - Dry and wet rising main systems
 - Emergency power supply
 - Fire lifts
 - Fixed automatic fire extinguishing systems
 - Hosereels (include testing for direct Public Utilities Board supply)
 - Mechanical ventilation
 - Natural ventilation openings
 - Sprinkler installations
 - Smoke control systems

- Other Provisions:
 - Emergency voice communication systems
 - Fire Command Centre
 - Portable Fire Extinguishers
 - Provisions For Persons With Disabilities

- Pressurized or non-pressurised storage cylinders, tanks and cylinders with manifold system (testing not required)

- Any other requirement specified by the Fire Code.

- Any other requirement specified by other accepted Codes of Practice that have been adopted for the project.

- Any other endorsements made on the approved building plans.

PART II (RI Mechanical & Electrical)

- Means of Escape – Exit lightings, emergency lightings and low level photo luminescent signs
- Site planning and external fire fighting provision - Private hydrants (testing only)
- Fire Fighting Systems (Verification & Testing):
 - Automatic and manual fire alarm systems
 - Dry and wet rising main systems
 - Emergency power supply
 - Emergency voice communication systems
 - Fire lifts
 - Fixed automatic fire extinguishing systems
 - Hosereels (pump feed)
 - Integrated fire fighting and protection systems testing under both fire alarm activation and power failure condition
 - Sprinkler installations
- Mechanical ventilation and smoke control systems
 - Mechanical ventilation/air-conditioning systems, including dampers and fire resisting construction of ductworks
 - Pressurisation systems
 - Smoke control systems (both mechanical and venting systems)
- Other Provisions:
 - Emergency voice communication systems (Verification and Testing)
 - Provisions for Persons With Disabilities (Verification and Testing only)
- Pressurized or non-pressurised storage cylinders, tanks and cylinders with manifold systems (testing only)
- Any other requirement specified by the Fire Code.

- Any other requirement specified by other accepted Codes of Practice that have been adopted for the project.
- Any other endorsements made on the approved building plans.