Your Ref : **Our Ref:** CD/04/05/01/01

Date : 1 Sep 2025

Registrar, Board of Architects
Registrar, Professional Engineers Board
President, Singapore Institute of Architects
President, Institution of Engineers, Singapore
President, Association of Consulting Engineers, Singapore

Dear Sir/ Mdm,

AMENDMENTS TO CODE OF PRACTICE FOR FIRE PRECAUTIONS IN RAPID TRANSIT SYSTEMS (CPFPRTS) 2022 - 2nd BATCH OF AMENDMENTS

SCDF would like to issue the 2nd batch of amendments to the Code of Practice for Fire Precautions in Rapid Transit Systems (CPFPRTS) 2022. The amendments, which were deliberated and accepted by the CPFPRTS Review Committee are attached as Annex A of this circular.

2. Amendments stipulated in Annex A shall take effect from the date specified therein (i.e. 6-month from date of circular). Qualified Persons who wish to comply with the requirements in this Circular for any proposed plans of fire safety works for new stations or existing stations to be submitted during the 6-month grace period (i.e. 1 Sep 2025 to 1 Mar 2026) can do so and are not required to apply for waivers.

3. This circular applies to all projects except those that submitted their Planning Permission application to URA before 1 Mar 2026 and subsequently received Provisional Permission (PP) or Design Gateway (DG) clearance. For projects that do not require URA's

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Planning Permission, this circular applies if plans of fire safety works are submitted to SCDF for approval on or after 1 Mar 2026.

4. Qualified Persons shall provide URA's Provisional Permission (PP) or Design Gateway (DG) clearance letter in their applications submitted to SCDF for approval. Where such documentation is not provided, the submission date of the first approved submission to SCDF will be used for reference instead.

5. Please convey the contents of this circular to members of your Board/ Institution/ Association. This circular is also available in CORENET's e-Info: http://www.corenet.gov.sg/einfo.

6. For general queries, you may contact Mr Randy Tan at DID: 68481461 or MAJ Izwan at DID: 68481413.

Yours faithfully

(transmitted via email)

LTC Tan Chung Yee
for Commissioner
Singapore Civil Defence Force

Distribution list

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Fire Code Review Committee
CPFPRTS Review Committee

Annex A

S/N	Amendment Date	Effective Date	Clause Status	Clause Before Amendment	Clause After Amendment
1	1 Sep 2025	1 Mar 2026	Revised/ Clarification	1.4.27 Electromagnetic or Electromechanical locking device "Electromagnetic" or "Electromechanical locking device" refers to a fail-safe device which provides egress access control. In the event of a fire alarm activation, failure of power supply, and/ or any fault in the locking devices/ components, related to the release of locking mechanism, this device shall: a. automatically unlock doors immediately to facilitate egress and remain so until power supply is restored; and b. be provided with a means of manual override located within the occupied space, 1.2m above the floor, and within 1.5m of the door jamb.	1.4.27 Electromagnetic or Electromechanical locking device "Electromagnetic" or "Electromechanical locking device" refers to an electrically powered fail-safe device which provides egress access control. ~~In the event of a fire alarm activation, failure of power supply, and/ or any fault in the locking devices/ components, related to the release of locking mechanism, this device shall:~~ ~~a. automatically unlock doors immediately to facilitate egress and remain so until power supply is restored; and~~ ~~b. be provided with a means of manual override located within the occupied space, 1.2m above the floor, and within 1.5m of the door jamb.~~
2	1 Sep 2025	1 Mar 2026	Revised/ Clarification	2.5.1 General a. The scope of these requirements on the design and management of transit stations covers the public area of transit stations and excludes RTS depots, ancillary buildings, viaducts, and tunnels. These requirements are intended for the safe evacuation of PWDs during fire emergency.	2.5.1 General. a. The scope of these requirements on the design and management of transit stations covers the public areas and commercial spaces of transit stations and excludes RTS depots, ancillary buildings, viaducts, and tunnels. These requirements are intended for the safe evacuation of PWDs during fire emergency.

				b. Transit station public areas are designed with barrier-free accessibility under the Building Control Act. The ingress/ egress routes for PWDs shall also be used as evacuation routes for PWDs. c. Transit stations are of non-combustible construction. The station public areas are segregated from the ancillary areas by fire-rated construction and are designed with emergency ventilation system to provide a tenable environment for evacuation in the event of fire emergency. d. Passenger lifts in stations are primarily provided for use by PWDs. These lifts that are located in the public area shall be used for the evacuation of PWDs. e. Management procedures and responsibilities shall be formulated for the evacuation of PWDs in the event of fire. f. The evacuation route for PWDs in the public areas shall comply with the general requirements of the BCA's Code on Accessibility in the Built Environment.	b. Transit station public areas and commercial spaces are designed with barrier-free accessibility compliance, as required by the authority having jurisdiction on accessibility in the built environment. ~~under the Building Control Act~~. The ingress/ egress routes for PWDs shall also be used as evacuation routes for PWDs. c. Transit stations are of non-combustible construction. The station public areas and commercial spaces are segregated from the ancillary areas by fire-rated construction and are designed with emergency ventilation system to provide a tenable environment for evacuation in the event of fire emergency. d. Passenger lifts in stations are primarily provided for use by PWDs. These lifts that are located in the public area shall be used for the evacuation of PWDs. e. Management procedures and responsibilities shall be formulated for the evacuation of PWDs in the event of fire. f. The evacuation route for PWDs in the public areas and commercial spaces shall ~~comply~~ conform to ~~with~~ the ~~general~~ requirements stipulated in the ~~of the~~ ~~BCA's~~ "Code on Accessibility in the Built Environment" shall be provided.

3	1 Sep 2025	1 Mar 2026	Revised/ Clarification	4.2.4i. Obstruction Fire engine accessway/ fire engine access road shall be kept clear of obstructions at all times. Plants, trees or other fixtures shall not obstruct the path between the fire engine accessway and fire access openings.	4.2.4i. Obstruction Fire engine accessway/ fire engine access road shall be kept clear of obstructions at all times. Plants, trees or other fixtures shall not obstruct the path between the fire engine accessway and fire access openings. Exception (1) For unmanned building (e.g. facility building, intake substation), where an access control system such as a barrier, sliding/ swing gate, etc. is provided at the entrance into the development, such systems (a) shall automatically open upon detection of firefighting appliances (such as In-vehicle Unit (IU) for emergency vehicles) or activation of the building fire alarm, and shall remain open until the access control system has been reset; and (b) shall be arranged to open automatically from a fail-safe manual override device located 1.2m above the floor and within 1.5m facing the external side of the development, with the manual override device readily accessible and clearly identified by a sign that reads "Emergency Release". (2) For manned building, the barrier at the entrance into the development shall be

					immediately opened/ removed upon building's fire alarm activation.
4	1 Sep 2025	1 Mar 2026	Revised/ Clarification	6.1.2a. Fire extinguishers shall be provided within the station, commercial spaces, and plant rooms at ground level entrances except the following: (1) …. (2) …. (3) …. (4) …. (5) ….	6.1.2a. Fire extinguishers shall be provided within the station, commercial spaces, and plant rooms at ground level entrances except the following: (1) … (2) … (3) … (4) … (5) …. (6) Where the roof is a non-habitable floor, fire extinguishers shall be provided to cover the M&E plants/ equipment.
5	1 Sep 2025	1 Mar 2026	Revised/ Clarification	6.2.5 Hose reels a. Provision (1) … (a) …. (2) …..	6.2.5 Hose reels a. Provision (1) … (a) … (2) ….. (3) Where a roof is a non-habitable floor, fire hose reels shall be provided to cover the M&E plants/ equipment.
6	1 Sep 2025	1 Mar 2026	Relaxation/ Clarification	6.3.3 Manual alarm call points e. Exemption Manual alarm call points and alarm sounders can be omitted for the following:	6.3.3 Manual alarm call points e. Exemption Manual alarm call points, ~~and~~ alarm sounders and visual alarms can be omitted for the following:

				(1) cable chambers, under-platform services ducts, and outdoor cooling tower area; (2) air shafts; and (3) open-to-sky roof gardens/ terraces, provided an alarm sounder is extended to this level and positioned near the exit staircase.	(1) cable chambers, under-platform services ducts, and outdoor cooling tower area; (2) air shafts; and (3) open-to-sky roof gardens/ terraces, provided an alarm sounder and a visual alarm are ~~is~~ extended to this level and positioned near the exit staircase.
7	1 Sep 2025	1 Mar 2026	New/ Relaxation	Nil	6.4.2h. Supervisory subsidiary isolation valve is allowed to be installed before and after the sprinkler pipe penetrated the wall separating main CD shelter and non-CD shelter area for CD station.
8	1 Sep 2025	1 Mar 2026	Revised / Clarification	9.7.1 Facility buildings a. Requirements for facility buildings Requirements stipulated in the previous sections of this Code for transit stations and trainways are not applicable to the RTS facility buildings. RTS facility buildings e.g. on-line electric sub-station, OCC, relay building, and other electrical and mechanical installations shall comply fully with the Code of Practice for Fire Precautions in Buildings, except as herein modified. b. Facility buildings under the aboveground trainways For RTS facility buildings under the aboveground trainways, the following requirements shall also be complied with:	9.7.1 Facility buildings a. Requirements for facility buildings ~~Requirements stipulated in the previous sections of this Code for transit stations and trainways are not applicable to the RTS facility buildings.~~ RTS facility buildings ~~e.g.~~ such as on-line electric sub-station, OCC, relay building, and other electrical and mechanical installations shall comply fully with the Code of Practice for Fire Precautions in Buildings, except as herein modified. b. Facility buildings ~~under the aboveground~~ attached to trainways:

				(1) Building within 6m of the outer edges of the aboveground trainway shall be at least 2-hrs compartmented; and (2) Automatic fire alarm system shall be provided in accordance with *SS 645*. The fire alarm system shall be connected to the OCC.	~~For RTS facility buildings under the aboveground trainways, the following requirements shall also be complied with:~~ (1) Where facility buildings located under the above ground trainways, adjacent building within 6m of the outer edges of the aboveground trainway shall be at least 2-hrs compartmented~~; and~~. (2) Automatic fire alarm system shall be provided in accordance with *SS 645*. The fire alarm system shall be connected to the OCC. (3) Electrical transformer room in facility buildings can be located underground according to *Cl.9.8*. (4) Where cable chambers and service ducts/ spaces have a headroom less than 2m, its means of escape shall be designed in accordance with *Cl.2.2.4e.*, and *Cl.8.1.7f.* of this Code. (5) Fire protection provisions shall comply with *Cl.6.1.2a.*, *Cl.6.2.2b.(2)*, *Cl.6.2.5a.*, *Cl.6.3.1b.(1)*, *Cl.6.3.1b.(3)*, *Cl.6.3.3e.*, *Cl.6.4.1d.*, *Cl.6.4.2c.*, *Cl.6.4.4c.* and *Table 6.4A* of this Code. (6) Fresh/ exhaust air of the facility buildings can be taken from/ discharged

					to the intake/ exhaust air shaft in accordance with *Cl.7.1.16* of this Code. (7) Dual electric feeder power supply in accordance with *Cl.5.2.6* of this Code is deemed to have been provided with primary and secondary source of power supplies.
9	1 Sep 2025	1 Mar 2026	Revised/ Clarifcation	9.8.1 General This set of fire safety requirements is applicable to electrical distribution transformer room located within underground RTS structures. 9.8.2 General requirements a. Compartment size and depth limits (1) The AFA of transformer room shall not exceed 100m^2. (2) The transformer room shall be located not lower than platform level.	9.8.1 General This set of fire safety requirements is applicable to electrical distribution transformer room located within underground RTS structures (i.e., stations and facility buildings). 9.8.2 General requirements a. Compartment size and depth limits (1) The AFA of transformer room shall not exceed 100m^2. (2) The transformer room at station and facility building shall be located not lower than lowest platform level and lowest track level respectively.
10	1 Sep 2025	1 Mar 2026	Revised/ Clarifcation	**Appendix 1 – FIRE SAFETY REPORT** **3. BRIEF EXPLANATORY NOTE FOR OUTLINE REPORT ON FIRE PROTECTION AND LIFE SAFETY FEATURES**	**Appendix 1 – FIRE SAFETY REPORT** **3. BRIEF EXPLANATORY NOTE FOR OUTLINE REPORT ON FIRE PROTECTION AND LIFE SAFETY FEATURES**

				j. …… k. Emergency voice communication system This would involve the description of the provision of the one-way zoned and electrically monitored emergency paging system to critical areas such as lobbies, corridors, exit stairways, toilets, restaurant, shop and offices, M&E plant rooms. The emergency public address system which generally complies with *SS 546* would include communication between OCC, PSC or FCC and all parts of the station except lift cars through electrical loudspeakers. l. Two-way emergency voice communication system This would describe the operation of the 2-way zoned and coded voice communication system, which is electrically supervised from the central control located in the FCC or in the absence of which, the main alarm panel, including the provision of slave telephones to critical areas as state in *Cl.8.2.7*.	j. …… k. Emergency voice communication system This would involve the description of the provision of the one-way zoned and electrically monitored emergency paging system to ~~critical~~ areas ~~such as lobbies, corridors, exit stairways, toilets, restaurant, shop and offices, M&E plant rooms~~ as stated in *Cl.8.2.2*. The emergency public address system which generally complies *with SS 546* would include communication between OCC, PSC or FCC and all parts of the station except lift cars through electrical loudspeakers. l. Two-way emergency voice communication system This would describe the operation of the 2-way zoned and coded voice communication system, which is electrically supervised from the central control located in the FCC or in the absence of which, the main alarm panel, including the provision of slave telephones to ~~critical~~ areas as stated in *Cl.8.2.7*.