



SCDF

The Life Saving Force

... for a safer Singapore

SINGAPORE CIVIL DEFENCE FORCE



Your Ref :

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

Date : 1 Mar 2024

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 – 1st BATCH OF AMENDMENTS

SCDF would like to issue the 1st 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. 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 March 2024 to 31 August 2024) can do so and are not required to apply for waivers. Such plans that are submitted to SCDF for approval on or after the effective date shall be subjected to the amendments made to the CPFPRTS.



SCDF – A member of the Home Team

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3. 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>.

4. 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

S/N	Amendment Date	Effective Date	Clause Status	Clause Before Amendment	Clause After Amendment
1	1 Mar 2024	1 Sep 2024	Relaxation	<p>2.2.4 Means of escape from commercial spaces and ancillary areas</p> <p>a. Number of exit staircases or exits</p> <p>Except as permitted by <i>Cl.2.2.4b.</i>, <i>Cl.2.2.4d.</i>, <i>Cl.2.2.4e.</i>, and <i>Cl.2.2.20</i>, there shall be at least two independent exit staircases or other exits from every storey or part thereof, and the exit staircases or other exits shall be remotely located in accordance with <i>Cl.2.2.19</i>. Where a room or space is required to be provided with two exits, each exit shall be of sufficient width to accommodate at least one-half the total occupant load.</p>	<p>2.2.4 Means of escape from commercial spaces and ancillary areas</p> <p>a. Number of exit staircases or exits</p> <p>Except as permitted by <i>Cl.2.2.4b.</i>, <i>Cl.2.2.4d.</i>, <i>Cl.2.2.4e.</i>, and <i>Cl.2.2.20</i>, there shall be at least two independent exit staircases or other exits from every storey or part thereof, and the exit staircases or other exits shall be remotely located in accordance with <i>Cl.2.2.19</i>. Where a room or space is required to be provided with two exits, each exit shall be of sufficient width to accommodate at least one-half the total occupant load.</p> <p>(1) There shall be at least two independent exit staircases or other exits from every storey or part thereof, and the exit staircases or other exits shall be remotely located in accordance with <i>Cl.2.2.19</i>.</p> <p>(2) Where a room or space is required to be provided with two exits, each exit shall be of sufficient width to accommodate at least one-half the total occupant load.</p> <p>Exception:</p> <p>(a) The requirement for two independent exit staircases or other exits is</p>

					exempted under <i>Cl.2.2.4b.</i> , <i>Cl.2.2.4d.</i> , <i>Cl.2.2.4e.</i> , and <i>Cl.2.2.20.</i>
2	1 Mar 2024	1 Sep 2024	Relaxation	<p>2.2.20 Non-habitable roof</p> <p>For non-habitable roof described in <i>Cl.1.4.48</i>, at least one exit staircase shall be provided. Where the area of non-habitable roof is large and one-way travel distance to the exit cannot be met, an additional fixed ladder in accordance with <i>Cl.2.2.21</i> and adequately separated in accordance with <i>Cl.2.2.19</i> and leading to the circulation area of the floor below shall be acceptable as a means of escape.</p>	<p>2.2.20 Non-habitable roof</p> <p>For non-habitable roof described in <i>Cl.1.4.48</i>, at least one exit staircase shall be provided. Where the area of non-habitable roof is large and one-way travel distance to the exit cannot be met, an additional fixed ladder in accordance with <i>Cl.2.2.21</i> and adequately separated in accordance with <i>Cl.2.2.19</i> and leading to the circulation area of the floor below shall be acceptable as a means of escape.</p> <p>Exception:</p> <p>(a) For green roofs which are accessible for maintenance purposes only, the means of access shall comply with <i>Cl.10.2.1b.(1)(a)</i> of the Fire Code.</p>
3	1 Mar 2024	1 Sep 2024	Relaxation	<p>2.5.1 General</p> <p>a.</p> <p>b.</p> <p>c.</p> <p>d.</p> <p>e.</p> <p>f. The evacuation route for PWDs... comply with the general requirements of BCA's Code...</p>	<p>2.5.1 General</p> <p>a.</p> <p>b.</p> <p>c.</p> <p>d.</p> <p>e.</p> <p>f. The evacuation route for PWDs in the public areas shall comply with the general requirements of the BCA's Code on Accessibility requirements of the authority having jurisdiction on accessibility in the Built Environment.</p>

Annex A

					g. The requirements in Section 2.5 do not apply to stations/ areas exempted from barrier-free accessibility compliance, as required by the authority having jurisdiction on accessibility in the built environment;
4	1 Mar 2024	1 Sep 2024	Relaxation	Nil	3.15.15 Walls finishes Use of plastic materials as vertical screening/ divider of telecommunication equipment at non-habitable open-to-sky roof is permitted, provided the materials meet at least Class 2 rating classified under <i>BS 476: Part 7</i> or equivalent.
5	1 Mar 2024	1 Sep 2024	Relaxation	4.2.2c. Size Fire access openings shall be no less than 850mm wide by 1m high with sill height of not more than 1.1m and head height of not less than 1.8m above the inside floor level.	4.2.2c. Size Fire access openings shall be no less than 850mm wide by 1m high with sill height of not more than 1.1m and head height of not less than 1.8m above the inside finished floor level. Exception: (1) The sill height can be extended to at most 1.25m for those fire access openings that are located at roof garden/ terrace.
6	1 Mar 2024	1 Sep 2024	Relaxation	4.2.4 Fire engine accessway and fire engine access road a. b. c. Location	4.2.4 Fire engine accessway and fire engine access road a. b. c. Location

				The fire engine accessway shall be positioned so that the nearer edge shall be at least 2m or at most 10m from the centre position of the access opening, measured horizontally.	The fire engine accessway shall be positioned so that the nearer edge shall be at least 2m or at most 10m from the centre position of the access opening, measured horizontally. Exception: (1) The horizontal distance can be extended to at most 13m, provided the height between the fire engine accessway and centre position of the fire access openings is not more than 20m.
7	1 Mar 2024	1 Sep 2024	Relaxation	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) green roofs which are accessible for maintenance purposes only and which comply with Cl.10.2.Ib.(1)(a) of the Fire Code.
8	1 Mar 2024	1 Sep 2024	Relaxation	6.2.5a.(1) Hydraulic hose reel(s) conforming to the requirements in SS 575 shall be provided throughout the stations including the commercial spaces and underground links leading to the underground station entrances except: (a) ... (b) ... (c) ...	6.2.5a.(1) Hydraulic hose reel(s) conforming to the requirements in SS 575 shall be provided throughout the stations including the commercial spaces and underground links leading to the underground station entrances except: (a) ... (b) ... (c) ...

				(d) ... (e) ... (f) ... (g) ...	(d) ... (e) ... (f) ... (g) green roofs which are accessible for maintenance purposes only and which comply with <i>Cl.10.2.1b.(1)(a)</i> of the Fire Code.
9	1 Mar 2024	1 Sep 2024	Relaxation	6.6.6b. Accessibility and coverage (1) A fire lift shall be located such that the travel distance between the nearest edges of the lift landing door and exit staircase door is not more than 5m. In addition, the exit staircase shall be approached through a fire lift lobby at each storey, including first storey.	6.6.4b. Accessibility and coverage (1) A fire lift shall be located such that the travel distance between the nearest edges of the lift landing door and exit staircase door is not more than 5m. In addition, the exit staircase shall be approached through a fire lift lobby at each storey, including first storey. Exception: (a) The final discharge of exit staircase at ground level for all stations, the travel distance between the nearest edge of the fire lift landing door and exit staircase door can be extended to at most 10m. Where the travel distance between the nearest edge of the fire lift landing door and exit staircase door exceeds 5m, additional signage shall be displayed prominently at the fire lift lobby to indicate the location of exit staircase door.