

**SINGAPORE CIVIL DEFENCE FORCE
CENTRAL ENFORCEMENT DEPARTMENT**



HQ SINGAPORE CIVIL DEFENCE FORCE
91 Ubi Ave 4 Singapore 408827 Fax : 6848 1492
Website : <http://www.scdf.gov.sg>

**TEMPORARY CHANGE OF USE
ENCLOSED TEMPORARY STRUCTURES / TENTS
FIRE SAFETY CONDITIONS**

The approval is granted subject to the following conditions which are adapted from the requirements given in the Fire Code.

Certification

- 1 Qualified Person (QP) certification is required on the layout/floor plans. To include the calculations of designed occupant load, travel distance and exit capacity.
QP shall also certify on the structural safety of the structures.

Layout Planning

- 3 For erection of multi-storey structures, separate and prior approval is required.
- 4 For air-inflated structures or tents, separate and prior approval is required.
- 5 The maximum size of a single tent must not exceed 2,000 square m.
- 6 Enclosed structures/tents are to be separated at least 3m away from building facades.
- 7 Calculation on the occupant load (OL) shall be based on a minimum of 1.5 m² per person.
- 8 Row of stalls within the structures or tents shall not exceed 15m in length and 6 m in width.
- 9 Passageway of at least 1.2 m shall be maintained between rows of stalls.
- 10 Height of the booth or stall within the enclosed structures / tents shall not exceed 3 m.
- 11 All sides of the timber floor decking / stage / platform shall be properly sealed with no storage of goods / materials / electrical services beneath them.
- 12 Generators are to be sited at least 3m away from buildings and tents / stalls.

Means of Escape

- 13 A minimum of 2 exits must be provided and must be spaced apart not less than half the maximum diagonal length of the structure.
- 14 Each exit shall be of minimum 1m width.
- 15 The exit capacity is based on a maximum of 100 persons per unit (0.5 m) width of exit direct discharge to external.
- 16 External corridors and staircases for escape purposes are preferred. Minimum width of such staircases and corridors is 1.2 m. External staircases shall not be enclosed. A continuous handrail at a height of 1m from the treads and landings of the staircase is to be installed.
- 17 Minimum width of internal escape corridors and staircases is 1.2 m.
- 18 The maximum travel distance from any point within the structure to the nearest exit at the external edge of the structure at the ground level, shall not exceed 45m.
- 19 A 2-way escape must be provided. Exit points must be remote from each other.
- 20 All escape routes / passageways must be free of obstruction. Exit points must lead directly to open exterior areas.
- 21 All designated exits points shall be provided with illuminated "Exit" signs incorporated with battery operated standby power supply. Directional exit signs are to be installed wherever necessary.
- 22 The structure is to be provided with sufficient numbers of self-contained emergency lighting.

Material

- 24 Enclosed structures / tents shall be of material having a minimum surface flame spread class 2 rating (to be supported by approved certification laboratory/company. Conformity to test standards - BS 476 part 4 & 7,

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NFPA 701, EN 13501).

Seating Layout

- 25 The aisle width shall be at least 1.2m.
- 26 The maximum number of chairs in a row shall not exceed 12 for aisle on one side and 28 for aisle on two sides.

Fire Fighting Provisions

- 27 Enclosed structures / tents shall not be located within 1.5 m of any fire hydrant, breeching inlets of fire fighting rising mains or fire exit staircases of nearby buildings.
- 28 9 kg dry powder portable fire extinguisher (PSB approved type) shall be provided within the tents at every 15 m.
- 29 50 kg portable fire extinguisher with trolley (PSB approved type) shall be provided for food and beverage (F&B) activities within the tents at every 30 m.
- 30 At least 2 fire extinguishers (PSB approved type) shall be provided in the vicinity of the electrical generators.

Other Fire Safety Precautions

- 33 No activity shall be carried out on the fire engine access way / fire engine hard standing (parking space).
- 34 Any activity involving the use LPG or flammable liquids / gases is not permitted.
- 35 “Open-flame” cooking is not allowed except where solid fuel burners are used to warm food that has already been prepared and cooked.
- 36 Electrical fixtures /wiring are firmly secured away from public’s path.
The organizer shall provide a team of personnel to emergency evacuation plans and for fighting incipient fires on site.
- 37 The duration of the event is limited to at most 2 months.