



FIRE SERVICES DEPARTMENT

Fire Safety Requirements

for Exemption of Electronic Sports (E-sports) Venues under the Amusement Game Centres Ordinance

A. Restrictions on Location

The premises shall not be located :-

- (a) at level 4 of basement or below;
- (b) in areas designated for emergency use, such as buffer or refuge floor;
- (c) in any industrial building;
- (d) in industrial portion of an industrial/office building.

B. Standard Requirements

1. All fire service installations and equipment (FSI) provided for the premises shall be retained and maintained in efficient working order. For all maintenance, alteration and addition, such works shall be carried out by a Registered FSI Contractor who shall issue Certificate(s) of Fire Service Installations and Equipment (FS 251) to the owner with copies forwarded to the Director of Fire Services within 14 days after completion of the works. A certificate of compliance (FSI/314A, FSI/314B or FSI/314C as appropriate) shall also be submitted by the responsible Registered FSI Contractor to the Director of Fire Services for the alteration and addition works.
2. A sprinkler system in accordance with the Code of Practice for Minimum Fire Service Installations and Equipment shall be provided if the premises:-
 - (a) is located in a curtain-walled building or a basement floor occupying an area exceeding 126m²; or
 - (b) is located in other types of building occupying an area exceeding 230 m².
3. Portable fire-fighting equipment of the approved type shall be provided as follows:
 - 3.1 _____ x 9 L water type fire extinguisher(s) at _____;
 - 3.2 _____ x 4.5 kg CO₂ type fire extinguisher(s) at _____; and
 - 3.3 _____ x 1.44 m² fire blanket(s) at _____.

4. A manual fire alarm system with visual alarm signals in accordance with the Code of Practice for Minimum Fire Service Installations and Equipment with fire alarm call point at each of the following locations shall be provided:-
 - 4.1 near each exit;
 - 4.2 the main entrance;
 - 4.3 competition / gaming area(s);
 - 4.4 seating area(s) / spectator stand(s);
 - 4.5 broadcasting area(s);
 - 4.6 commentator stage;
 - 4.7 reception area (if any);
5. Alarm bells and visual fire alarm signals in individual rooms intended to be used by the customers shall be provided.
6. All exits shall be suitably indicated by illuminated signs bearing the words and characters “EXIT 出口” in block letters and characters of not less than 125mm high with 15mm strokes. The colour of the letters/characters and contrasting colour on the background shall comply with the Code of Practice for Minimum Fire Service Installations and Equipment.
7. If the exit signs are out of sight to any location within the premises, suitable direction signs in same dimensions as the exit signs shall be provided to assist the occupant to identify the exits in the event of an emergency.
8. All panic exit devices fitted on the exit doors shall be of the types accepted by the Director of Fire Services. The words “PUSH BAR TO OPEN 推門開門” in 100mm English and Chinese characters should be painted on the inside face of the door immediately above the bar.
9. All fixed electrical installations shall, after completion (including any work completed after repair, alteration or addition) and before they are energized for use, be inspected, tested and certified with Work Completion Certificate (Form WR1) by a registered electrical contractor (REC) and his registered electrical worker (REW). Existing fixed electrical installations shall be inspected, tested and certified at least once a year with Periodic Test Certificate (Form WR2) by REC and his REW, and endorsed by Electrical and Mechanical Services Department. A copy of duly completed Form WR1 or WR2 shall be submitted to the public officer appointed by the Secretary of Home Affairs at the time of application for issue of Exemption Order or for variation of order particulars as appropriate.

10. Emergency Lighting shall be provided to the premises and the **attached** requirements for Self-contained Luminaries Emergency Lighting System (PPA/104(A)) shall be complied with.
11. All staircases connected to the premises shall be adequately illuminated during the hours of business.
12. The electrical main switch gears shall be clearly indicated as to its purpose in English and Chinese characters. The door giving into any room, cabinet or locker containing the electrical main switch gear shall be provided with an indication label with both 250mm English and Chinese characters on the exterior.
13. All electric wiring shall be arranged in such a way that it shall not impede any passageway. Any electric wiring laying across passageway shall be properly protected by cable ramp.
14. A ventilation/air-conditioning control system shall be provided to the premises if applicable and the attached Requirements for Ventilation/Air-conditioning Control Systems for Licensed Premises shall be complied with.
15. Adequate clear passageways shall be maintained. All exits and staircases shall be kept free from obstructions at all times.
16. All combustible materials used for false ceilings, partitions or wall furnishings shall conform to British Standard 476 : Part 7 Class 1 or 2 Rate of Surface Spread of Flame or to any standard acceptable to the Director of Fire Services, or shall be brought up to any of those standards by treating with a fire retardant paint or solution acceptable to Director of Fire Services. In the latter case, the work shall be carried out by a Class 2 Registered Fire Service Installation Contractor and a certificate (FS251) to this effect from the Contractor shall be forwarded to this Department as documentary proof of compliance.
17. All draperies and curtains, if installed, shall be made of fire resistant material and conform to British Standard BS 5867: Part 2 (Type B performance requirements) when tested in accordance with BS EN ISO 15025:2002 or to any other standard acceptable to the Director of Fire Services, or shall be brought up to any of those standards by treating with a fire retardant solution acceptable to Director of Fire Services. In the latter case, the work shall be carried out by a Class 2 Registered Fire Service Installation Contractor and a certificate (FS251) to this effect from the Contractor shall be forwarded to this Department as documentary proof of compliance.

18. PU Foam

18.1 All polyurethane (PU) foam filled mattresses and covering material used for fabrication of the mattresses shall conform to British Standard 7177 (for use in medium hazard premises/building); or Flammability Test Procedure for Mattresses for Use in High Risk Occupancies (Technical Bulletin Number 121) or Flammability Test Procedure for Use for Mattresses for Use in Public Buildings (Technical Bulletin Number 129) as issued by the Bureau of Home Furnishings and Thermal Insulation, Department of Consumer Affairs, State of California; or to other standard acceptable to the Director of Fire Services.

18.2 All PU foam filled upholstered furniture and covering material used for fabrication of the furniture shall conform to British Standard 7176 (for use in medium hazard premises/building); or Flammability Test Procedure for Seating Furniture for Use in Public Occupancies (Technical Bulletin Number 133) as issued by the Bureau of Home Furnishings and Thermal Insulation, Department of Consumer Affairs, State of California; or to other standard acceptable to the Director of Fire Services.

18.3 Each PU foam filled mattresses and upholstered furniture conforming to British Standard 7177 (for use in medium hazard premises/building) and British Standard 7176 (for use in medium hazard premises/building) respectively shall bear an appropriate label (Appendix).

18.4 Invoices from manufactures/suppliers and test certificates from testing laboratories indicating that the PU foam filled mattresses and/or furniture items have complied with the specified standards shall be produced for verification. Test certificate shall be issued by a testing laboratory accredited to conduct test according to the specified standard, and be authenticated by the company's stamp of manufacturer/supplier.

19. No naked flame is allowed within the premises.

20. No cooking activities shall be conducted on the premises other than in a kitchen.

21. An emergency evacuation plan shall be prepared and all staff should be conversant with such plan so that they can assist players, spectators and patrons in evacuation in case of emergency.

22. An exit route plan drawn to a ratio of not less than 1 : 200 showing the floor layout of the premises and the directions of egress to escape staircases and means of escape shall be displayed prominently on wall of each room intended to be used by customers. The size of the exit plan shall not be less than 250mm x 250mm and shall be affixed at a height of 1500mm above the floor level.
23. The layout plan of the premises with reference to the location, specification and name of machinery/gaming devices and facilities for players, spectators and other participants shall be provided.
24. No storage of any dangerous goods exceeding the exempt quantity in accordance with the Dangerous Goods (General) Regulations, Chapter 295B, Laws of Hong Kong, shall be allowed.
- C. **For E-sports involving the use of Virtual Reality (VR) Games/Machines with head mounted device (Items 25 to 27)**
25. The licensee or his/her agent(s) shall be present at the premises at all times when the premises is in operation to facilitate the evacuation of the patrons therein to place of safety in case of fire or other calamity.
26. An emergency alert system which can stop the music or the sound and visual images/effects produced by the VR games system and at the same time produce visible and audible warning signals in case of a fire shall be provided. Such system shall be actuated by the licensee or his/her agent(s) and/or by any other approved means.
27. Safety instructions (such as short film or written guide) shall be provided to brief patrons before they start to play the VR game/machine. The content shall include but not limited to the following:
 - (a) Actions to be taken in case of fire;
 - (b) Introduction of exit route of the premises; and
 - (c) Introduction of the Fire Alarm System provided inside the premises.
28. Additional Requirements (if any) : -

This document is for reference only. Detailed fire safety requirements will be separately issued subject to the result of on site assessment.

Remarks

Should the applicants have insurmountable difficulties in complying with the prescribed requirements, they can submit alternative proposals for FSD's consideration. For example, applicants can adopt the Fire Engineering approach, or submit a study report to explain how they will tackle problems of fire suppression, smoke control, evacuation and access of fire services etc.

Fire Services Department

May 2019

Sample of Label (標籤樣本)

APPENDIX 附件

Sample I (樣本 I)

NOTICE

THIS ARTICLE IS MANUFACTURED FOR USE IN PUBLIC OCCUPANCIES AND MEETS THE FLAMMABILITY REQUIREMENTS OF CALIFORNIA BUREAU OF HOME FURNISHINGS TECHNICAL BULLETIN 133"/129"/121". CARE SHOULD BE EXERCISED NEAR OPEN FLAME OR WITH BURNING CIGARETTES.

告示

此家具為供公眾使用而製造，符合加利福尼亞州家具局技術報告(TB) 第 133"/129"/121" 的可燃性規定，請勿將此家具放近明火或有香煙的地方。

*Delete wherever inapplicable/請刪去不適用者

Note : The minimum size of the label shall be 5 x 7.5 cm and the minimum size of the type shall be 3 mm in height. All type shall be in capital letters.

註 : 標籤面積最小須為 5 x 7.5 厘米，字體高度最小須為 3 毫米。
(英文版告示的所有字體必須為大楷)

Sample II (樣本 II)

Sample III (樣本 III)

