



FSD Connects with the Construction Industry

Experience sharing on

Acceptance Inspection of FSI and Fire Safety of Buildings

12th November 2021

Programme Rundown

Session	Subject	Speaker		
1	Good Practice on FSI Acceptance Inspections	M. TSANC Chin lab		
2	Design Considerations on In-rack Sprinkler System	— Mr. TSANG Chiu-lok		
3	Promulgation of FSD Circular Letter 8/2021 – Additional Requirements for Staircases Pressurization			
4	Clarification of Smoke Curtain for Smoke Extraction System	– Ir Dr. YIN Rumin		
5	Study on Limitations of Unwanted Alarm	Mr. CHIN Ka-ho		
6	Legislative Amendments to Dangerous Goods Ordinance and its Subsidiary Legislation	Mr. LI Tsz-chun		
7	Promotion of Wider Use of Stand-alone Fire Detectors in Hong Kong	Ir LAU Ying-kai		
8	Voluntary Recognition Scheme for FSI Technicians	Mr. CHAN Kai-hang		

9 Q & A Session



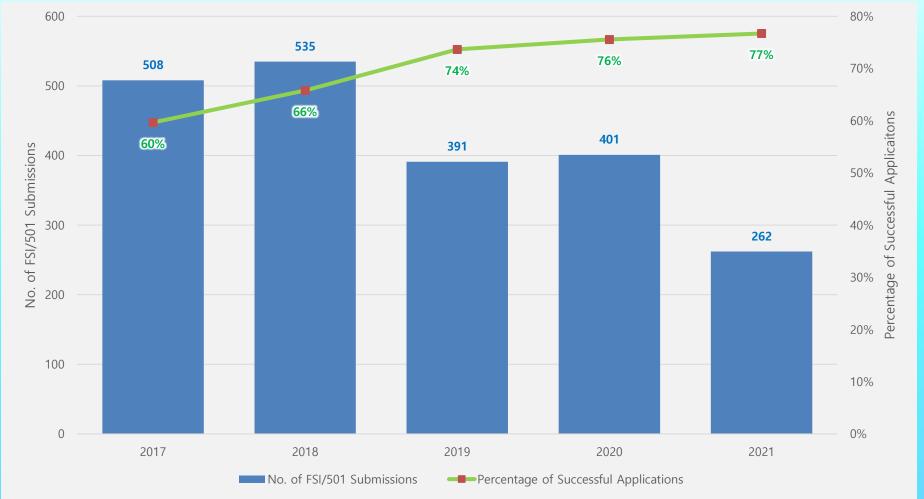




- 1. Enhancement Measures to FSI Acceptance Inspections
- 2. Fire Safety Standards and Technical Guidance
- 3. Enhancement Measures to FSI Maintenance
- 4. Legislations and Publicity of Fire Safety

Effects of FSD Connects (1)





Successful rate of FSI/501 submissions has been increasing steadily in the past four years from 60% in 2017 to 77% in 2021 (up to Sep).

Effects of FSD Connects (2)



Time for documents verification in 'Medium to Large Development Projects' has been decreasing in the past four years from 31 days in 2017 to 18 days in 2021 (up to Sep).



Thank You



Experience Sharing on FSI Acceptance Inspection

Senior Station **Officer** TSANG Chiu-lok Fire Service Installations Division

Licensing and Certification Command

Today's sharing

- ① Experience Sharing on FSI Acceptance Inspections
- ② Design Consideration on In-rack Sprinkler System





Analysis : Project Success Rate

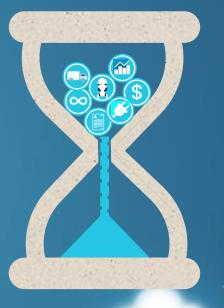
A Way to boost the efficiency of FSI acceptance inspection

FSI/501 case over 2021

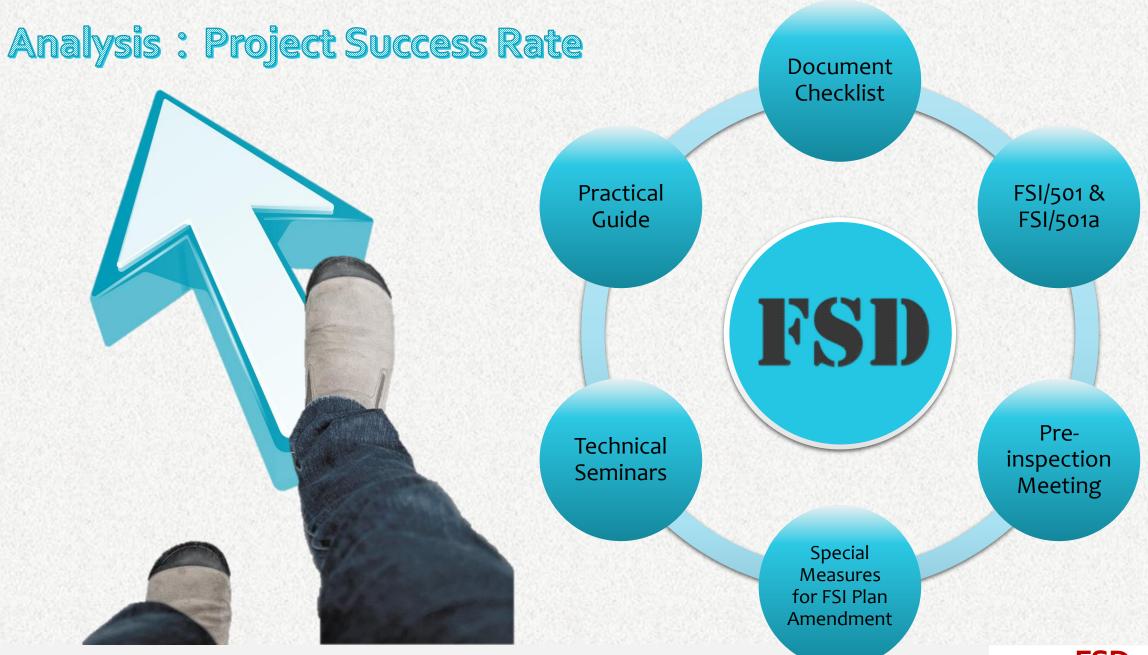
Successful Rate: 77% 32 cases withdrawn

Average 13.5 workdays

56 workdays was the longest









Analysis: Project Success Rate

Inspection area

EVA

GBP Amendment

Permanent Power Supply

Smooth FSI Acceptance

As-fitted FSI tally with GBP

Approved FSMP

Change of AP

Accurate Documentation

FSI System Integrity





High Hazard Storage

In-rack Sprinkler System

1) Please allow sufficient time for submission

ii. For High Hazard Storage Category II (HHS 2)

a.For ceiling sprinkler inside ASRS (Automatic Storage & Retrieval System)

With reference to Table 5 of BS EN 12845: 2003

- Storage Configuration to be Palletized Rack (ST4)
- Goods to be Category II
- The vertical distance from the highest level of in-rack sprinklers to 1 3.5m
- Design density to be 7.5 mm/min
- Area of operation (wet system) to be 260m2

er installation at ASRS Area at G/F and the in-rack sprinkler azard Storage Category III (HHS 3).

sprinkler system and one 450m3 sprinkler water tank for HHS 3 shown on plan. The water capacity of sprinkler water tanks shall iteria: Full calculated will be used for the ceiling sprinkler installation (inside ASRS area). The minimum water capacity required for that ceiling sprinkler installation shall be calculated by 7.5mm/min x 260 square meter x 90 min = 175.5 cubic meters.

Due to F. S. direct telephone link will be provided for the HHS 3 sprinkler installation of the building, the water capacity required of the sprinkler tank for High Hazard Storage Category III (HHS 3) sprinkler system can be reduced to two/third. Therefore, the required water capacity for the HHS 3 sprinkler system will be 117 m3 (175.5 m3 x 2/3).

For the in-rack sprinkler at the ASRS and the in-rack sprinkler for the Manual Racking

in-rack sprinkler, flow rate (Q) = K x (P) 1/2 K = 80, P = 2 bar Q = 80 x (2) 1/2 = 113.14 l/min

With reference to clause 7.2.3.3 of BS EN 12845: 2003, the rack aisles shall be less than 1.2m in width, three sprinkler heads at each level, total 3 levels and three racks are assumed to be involved. Hence, total number of sprinkler heads in operation in storage configuration of palletized rack (ST4) and goods category III shall be as follow:-

= 3 (per level) x 3 (levels) x 3 (racks) = 27

Referring to the clause 8.1.1 of BS EN 12845: 2003, the minimum operation duration of HHS 3 sprinkler system is 90min.

The minimum water capacity of the sprinkler tank for the in-rack sprinkler installation = 27×113.14 l/min x 90 min = 274930.2 l = 275m3.

FS Note regarding the sprinkler system



2) High Hazard Storage system = Fully Hydraulic Calculation?

Design Characteristics	Reference		
Hazard Classification	Clause 6.2.3 for high hazard system		
Storage Category e.g. Type of materials	Annex C		
Storage Configuration e.g. Free standing, block stacking, palletized racks etc.	clause 6.3.2		
Pre-calculated method	Without in-rack sprinkler is accepted		



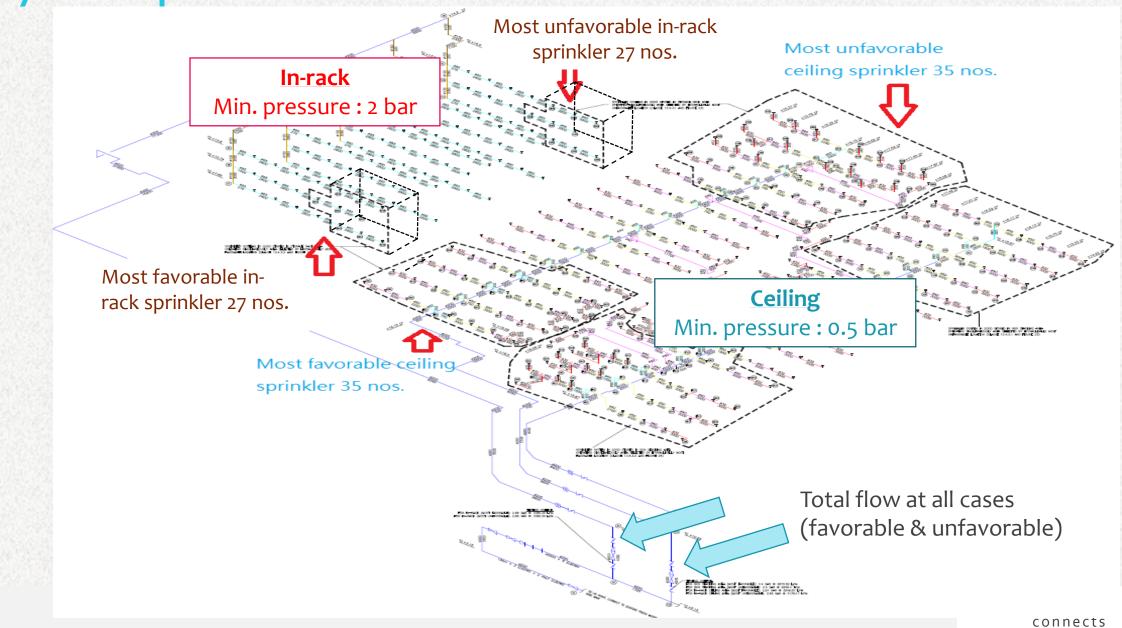


Remark: All clause and annex mentioned in this presentation should refer to BS EN 12845: 2003

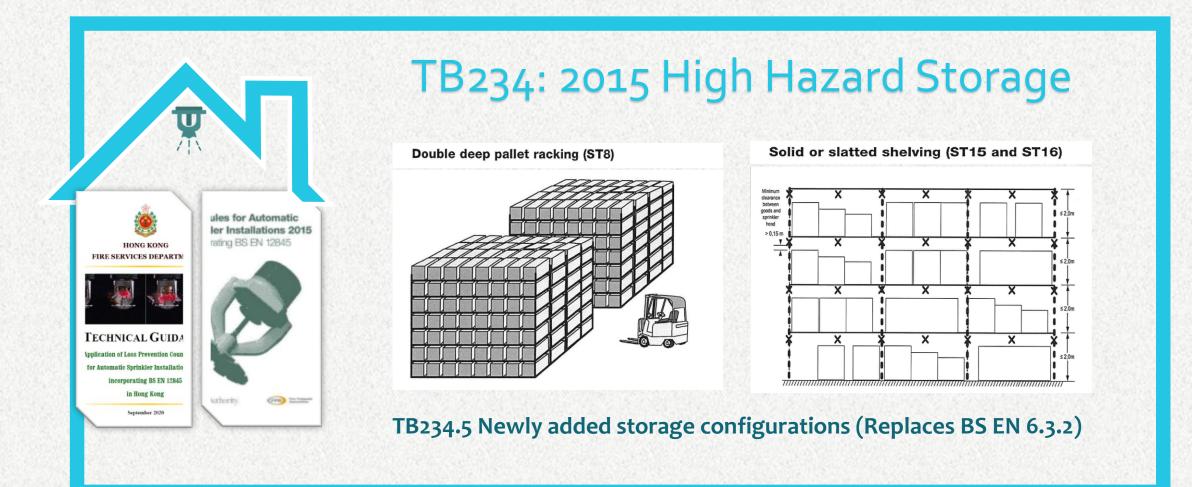




Layout of sprinkler



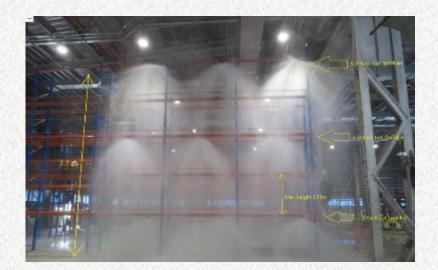
3) Local Application of LPC Rules for Automatic Sprinkler Installation 2015 Incorporating BS EN 12845





Key points for acceptance criteria:

- Check the dimension of rack e.g. height of rack, width of aisle etc.
- Verify the location of critical sprinkler head at most unfavorable area
- Verify the pressure of the remote sprinkler (for both ceiling and in-rack sprinkler)
- Check the total system flow rate most favorable area
- Check flow pattern



Flow pattern of ceiling sprinkler and in-rack intermediate sprinkler

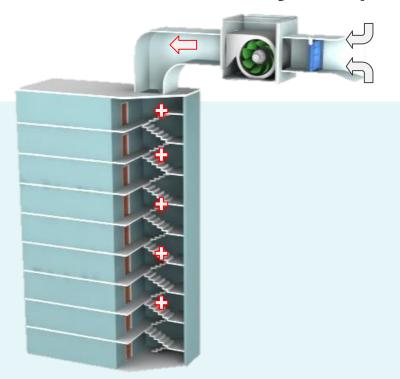


1) Additional Requirements for SPS 2) Clarification of Smoke Curtain for SES

Ir Dr. YIN Rumin / Engr(FSI) Fire Service Installations Division Licensing and Certification Command

Promulgation of FSD Circular Letter 8/2021 on 24 Sep 2021

Additional Fire Safety Requirements for Staircase Pressurization System (SPS)



消防處 牌照及審批總區 香港九重尖沙咀東部康莊道1號 消防庫總部大廈5樓



FIRE SERVICES DEPARTMENT LICENSING AND CERTIFICATION COMMAND 5/F, Fire Services Headquarters Building No. 1 Hong Chong Road, Tsim Sha Tsui East Kowloor, Heng Keng

本直程號 OUR REF.: (8) in FP(LC) 314/07 Pt.10 來途檔號 YOUR REF.: 置文傳真 FAX: (852) 2367 3631 電子郵件 E-MAIL: lcpolic2@hkfsd.gov.hk 電 話 TEL. NO.: (852) 2733 7619

24 September 2021

To: Recipients of FSD Circular Letters

Dear Sir/Madam,

FSD Circular Letter No. 8/2021 Additional Requirements for the Pressurization of Staircases

This Circular Letter serves to announce the additional requirements for staircase pressurization systems (SPSs), supplementary to those stated in the Code of Practice for Minimum Fire Service Installations and Equipment (the FSI Code). To give firefighters a clear picture on the availability and operational status of SPS(s) at scenes of building fire and facilitate their formulation of operational strategies, provision of 'Notice Plate' as the additional requirements are to be put in place.

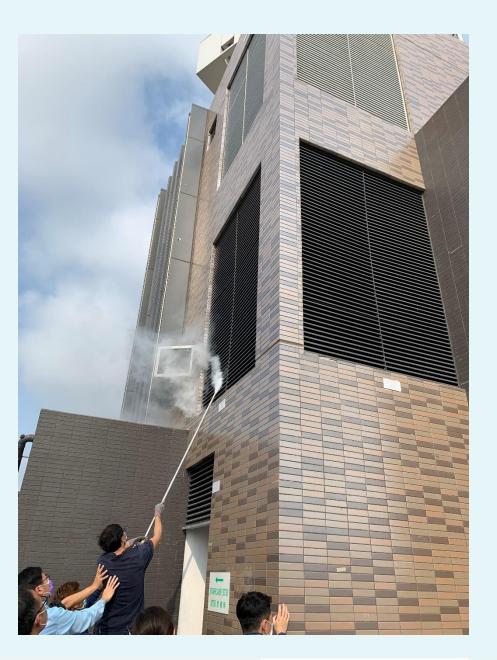
Currently, the design and installation of SPSs shall comply with relevant requirements set out in Section 5.21 of the FSI Code and the modifications for local application as stipulated in the FSD Circular Letter No. 2/2006. One of the requirements is the provision of indicator lights displaying the status of any pressure differential systems protecting the firefighting access and the means of escape in buildings at each fire service access point or supervisory panel located in F.S. control room. The additional requirements laid down in this letter serve to augment this clause.

Clear and accurate information of buildings, including location(s) of staircase(s) protected by SPS(s) and the operational status of the system(s), is crucial for firefighters at scene. In view of the increasing use of SPSs in recent developments, to make information about SPSs immediately available to firefighters, the FSD considers it necessary to impose additional requirements for SPS by the introduction of 'Notice Plate'. Its specifications and locations are as follows:



Background of SPS

- More and more buildings are designed to install SPS
 - More than 200 buildings has installed with SPS before 2020
 - o In year 2020, 18 SPS acceptance applications were received
 - o In year 2021, 15 SPS acceptance applications were received
- Building type had expanded to Basement, Industrial, Commercial, Institutional, Hotel and residential development





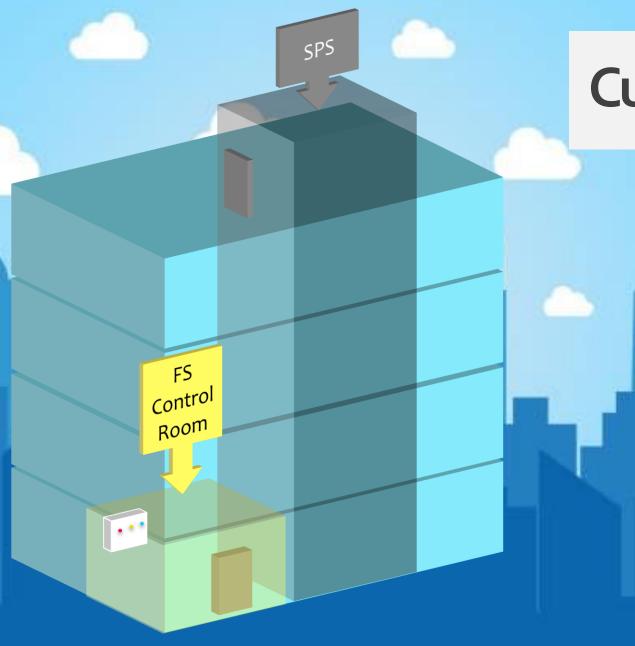
Fire fighting strategy

Information immediate available to fire fighter at scene:

- 1. SPS location
- 2. SPS operational status



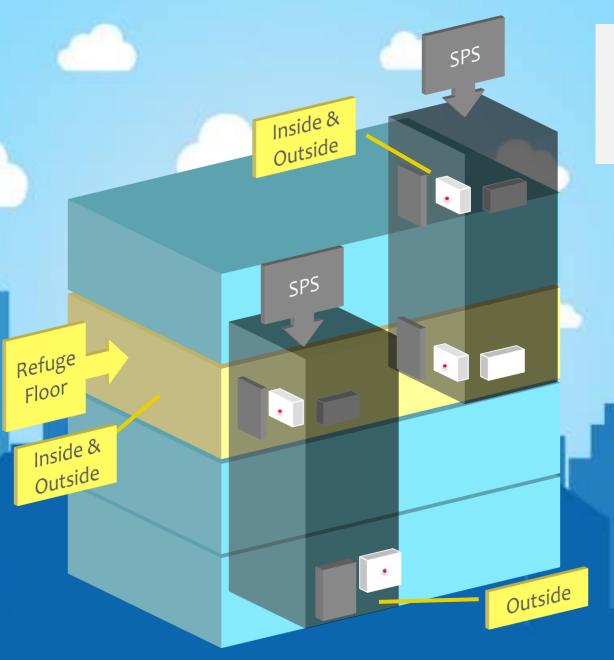




Current SPS indication

- Indicator lights displaying the status of any pressure differential system should be located at each <u>fire</u> service access point or supervisory panel.
- Nearly all indicator light are installed at supervisory panel in F.S. control room





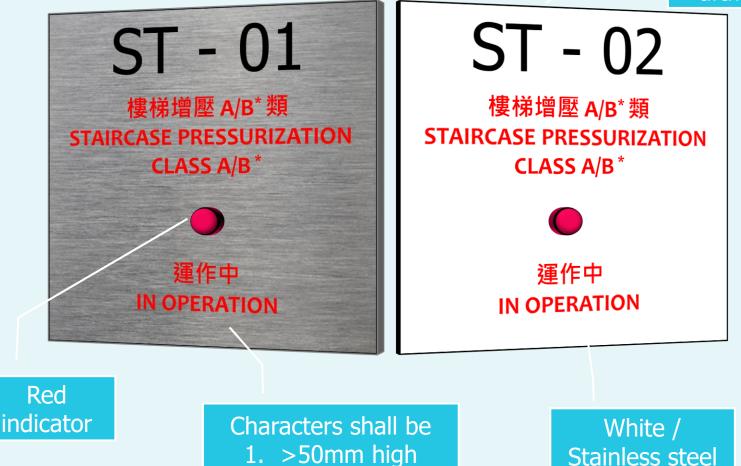
New requirement of notice plate

- 1. Outside the final exit
- 2. Inside and outside the exit on the topmost floor, i.e. roof floor exit or refuge floor exit



Staircase No. in SPS drawing

Notice Plate Specifications



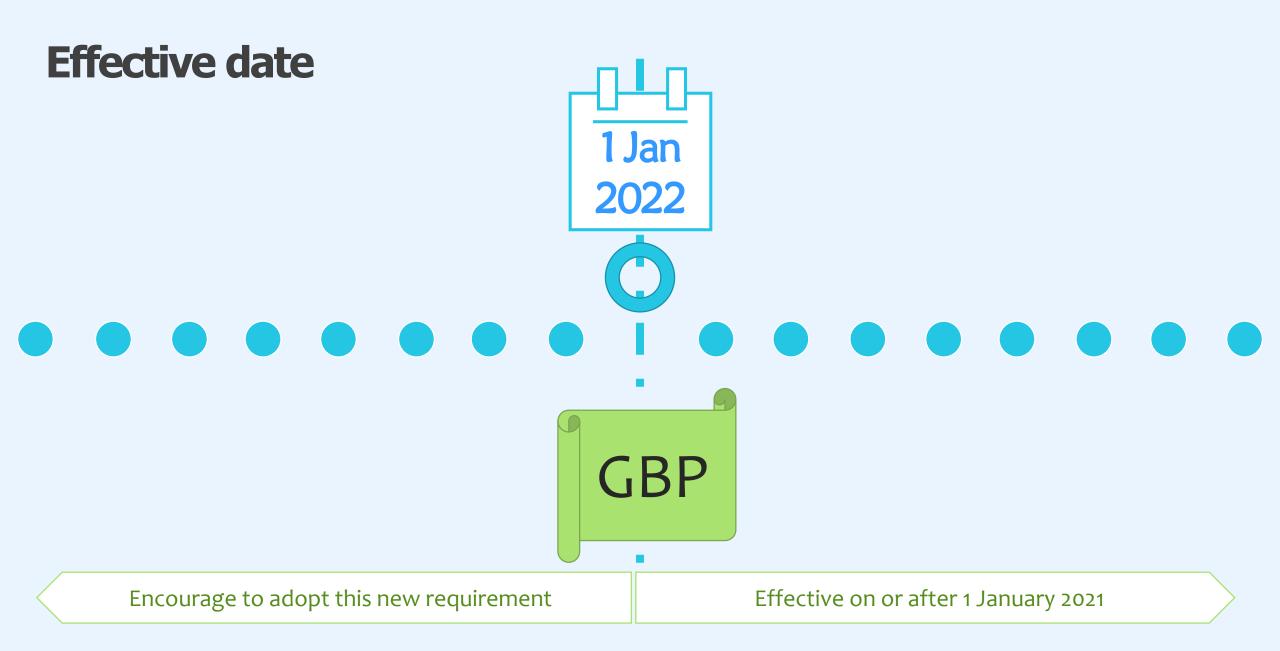
2. in block letters

3. in red color

FSD connects

Stainless steel

background







Clarification of Smoke Curtain for smoke extraction system (SES)



Function of smoke curtain



To prevent or retard smoke entry to another area or void

To create a smoke reservoir by containing and limiting the travel of the smoke

To channel smoke in a pre-determined direction



Requirement of smoke curtain

1. Performance / Design Requirement

• FS COP 5.23, FER

2. Material requirement

- FSD Accepted type
- BS 476 : Part 20

• BS EN 12101 : Part 1

	121 999 16 18			
	BRITISH STANDARD	BS EN 12101-1:2006	BRITISH STANDARD	BS 476-20: 1987 Incorporating Amendment No. 1.
CODES OF PRACTICE	Smoke and heat control systems Part 1: Specification for smoke barriers	on correct as of 24/02/2009 04:	Fire tests on building materials and structures — Part 20: Method for determination of the fire resistance of elements of construction (general principles)	
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MINIMUM FIRE SERVICE INSTALLATIONS		op se		
AND EQUIPMENT		BLVIO		
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INSPECTION, TESTING AND MAINTENANCE OF		ARF		
INSTALLATIONS AND EQUIPMENT		han, HKS		
April 2012	The European Standard EN 12101-1-2006 has the status of a British Standard	- Mr. Chan Mr. C		
	308 13 220 99	by: I	UDO 514 541.552.620 1.69.61.698.61	
	NO COPTING INTERCT INF FRANKISKON KULLPT AN FRANKTIKO INT COPTING IT LAW NAME IN MANY AND	BSi British Standards	NO COPUNG WITHOUT BAI PERMISSION EXCEPT AS PERMITTED BT COPUSIGHT LAW	<u>BSi</u>

Both requirement shall be satisfied during the F.S. inspection



Gaps and Deflection



Debate

Installed complying manufacturer's requirement

BS EN 12101 : Part 1 allows gaps and deflection on smoke curtain



Clarification

BS EN 12101-1 stated clearly in 5.5.3 Openings, gaps and/or perimeter spaces:

- Smoke barriers which do not require functional tolerances shall have <u>all gaps sealed</u> to <u>prevent smoke</u> <u>leakage</u>.
- Active smoke barriers shall be <u>overlapped and conjoined</u> where they are fixed in a straight line to
 prevent leakage. Where this cannot be achieved or if products are manufactured otherwise, the
 designer shall make <u>allowances</u> for increased leakage within his calculations.
- NOTE 4 Any gaps within a smoke barrier system should not prejudice the fitness for purpose of the system in accordance with the system design. Any gaps above or around the smoke barrier assembly in the smoke reservoir should be sealed or minimized.

BS EN 12101-1 does not allow the gaps, deflection in active smoke barriers system. Just provide a method to aid the design for estimation of the deflection, if unavoidable.



Material acceptance criteria

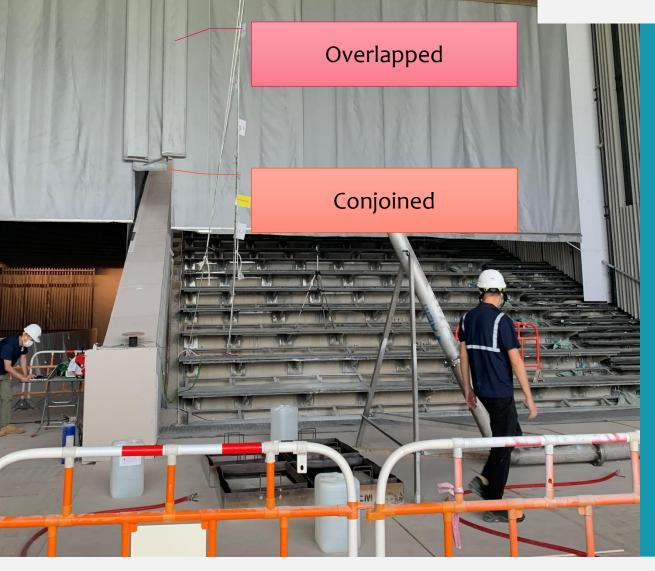


(a) Single unit having maximum width of 5,555mm and a maximum drop of 1,970mm
(b) Multiple con-joined curtains with a minimum with 400mm overlap are allowed with no maximum number of units with the following limitations: Individual unit 5,543mm and a maximum drop of 2.820mm

Multiple con-joined curtains with minimum 212mm overlap and a maximum drop of 10m



Conclusion



Installation of smoke curtain shall satisfy **design** requirement and **material** approved criteria

Continuous, overlapped and **conjoined** increase resistance to deflection and smoke leakage.

System designer shall take the gaps and deflection into his **consideration and design at beginning** if unavoidable.





Study on Limitation of False Alarm

CHIN Ka-ho Senior Station Officer Fire Service Installations Task Force

Agenda

- 1. False alarm
- 2. False alarm statistics
- 3. Measures taken by FSD
- 4. Multi-sensor Detector
- 5. Conclusion

False Alarm

Definition



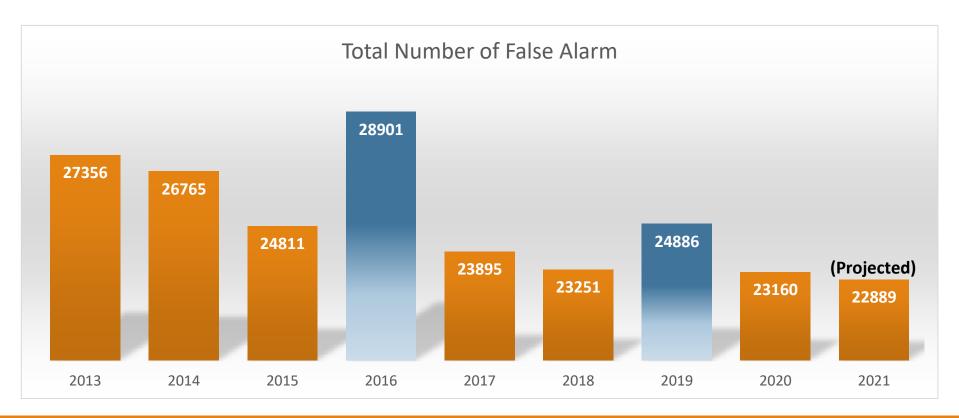
A fire alarm activation resulting from a cause other than a fire

Impact

- Lower responsiveness to actual alarm
- Lower occupants confidence
- Divert essential services from genuine incidents
- Disruption to business
- Nuisance to neighbourhood

False Alarm Statistics

Overall Fire Alarm Statistics (2013 – present)



Limitation of False Alarm

Overall Fire Alarm Statistics (2013 – present)

+2016 (28,901)

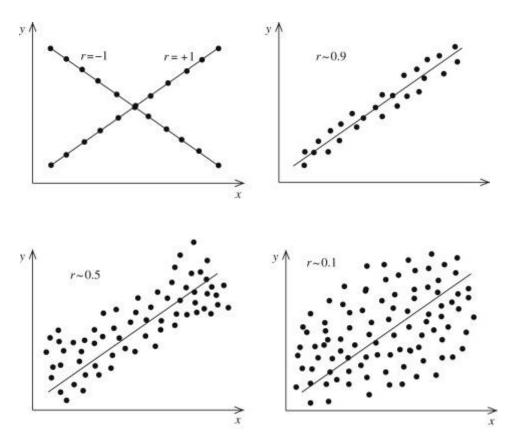
- 52 days with thunderstorms v. avg 38.6 days*
- Total rainfall 3026mm v. avg 2389.5mm*
- 2019 (24,886)
 - 59 days with thunderstorms v. avg 38.6 days*

* Records from Hong Kong Observatory, the long term average (1981 – 2010)

Correlation between False Alarm and Weather

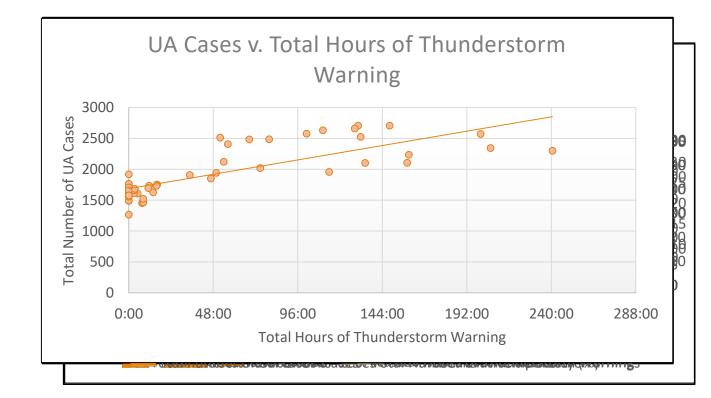
Correlation Coefficient is used to analyze the correlation between false alarms and weather. The correlation coefficient indicates how strongly two variables are related to each other.

+1 indicates a perfect positive correlation.
-1 indicates a perfect negative correlation.
0 indicates no correlation.



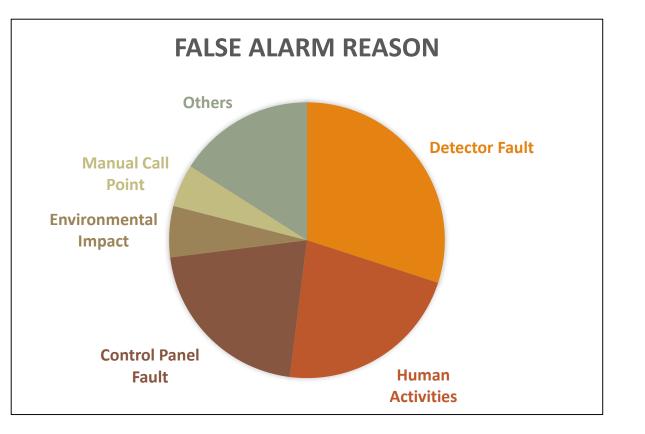
Correlation between False Alarm and Weather (2017 – 2021)

- Mean Relative Humidity 0.53
- Mean Air Temperature
- Total Rainfall ► **0.84**
- Total Number of Thunderstorm Warnings **0.83**
- Total Hours of Thunderstorm Warnings



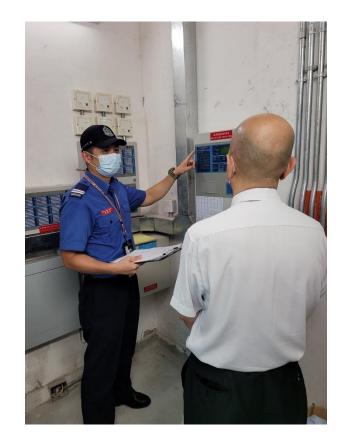
2017 - 2021

- False Alarm Causes:-
 - > Detector Fault (30%)
 - Human Activities (22%)
 - Control Panel Fault (21%)
 - Environmental Impact (6%)
 - Manual Call Point (5%)
 - Others (16%)



Proactive Inspection

- **1,950** False Alarm Cases handled by this Department (2017-2021)
 - Over 10 nos. of False Alarms at same premises in 12 months
 - Over 3 nos. of False Alarms at same call points in 3 months



Proactive Inspection

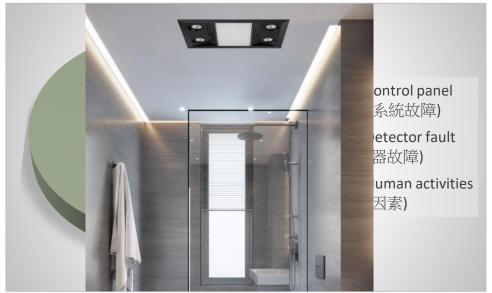
- Multi-sensor Detectors
- Upgrade of FS Control Panel
 - Protective cover on MFA Call Point
- \blacklozenge
- Isolation of FSI/ Suspension of DTL during renovation works

Management measures (e.g. avoid steam generating activities below smoke detectors, giving advice to customer, etc.)



Proactive Inspection

- ABC Hotel, Mong Kok
 - 58 nos. of false alarms in Jan Jun 2021
 - 47 nos. caused by Human Activities
 - Inspection revealed that most were caused by steam from shower room
 - RP was advised to:-
 - Use multi-sensors detectors
 - Relocation of smoke detectors
 - Modify power supplies of extraction fan and lighting to switch them on at the same time

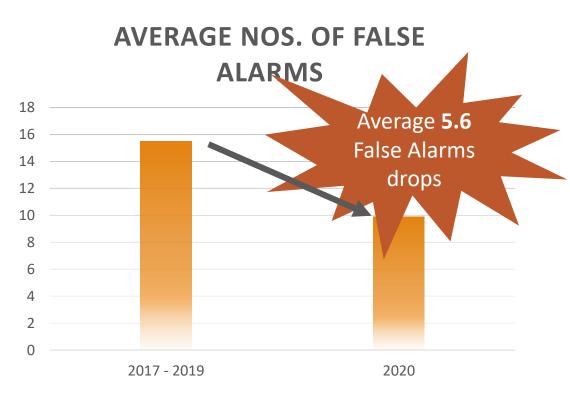


Proactive Inspection

- In 2017 2019, FSD inspected 1,047 premises
 - > 15.5 nos. of false alarms



In 2020, the subject premises 9.9 nos. of false alarms



Multi-sensor Detectors

Introduction

- Combination of photoelectric and thermal sensing technologies
- Microprocessor in the detector head that processes alarm data, adjusts its sensitivity automatically
- Increase immunity to false alarms



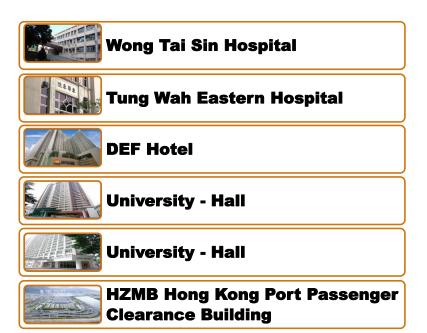
Multi-sensor Detectors

Successful Cases



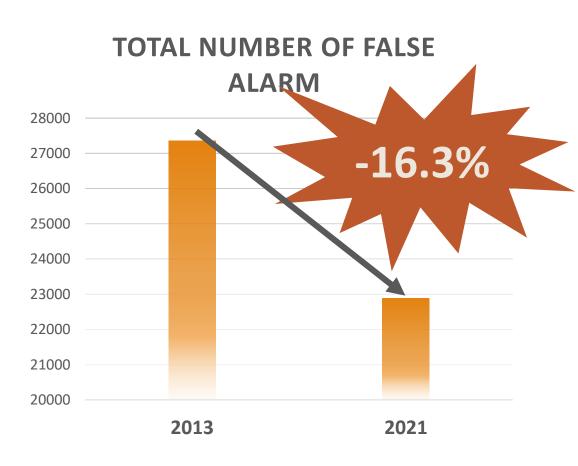
Multi-sensor Detectors





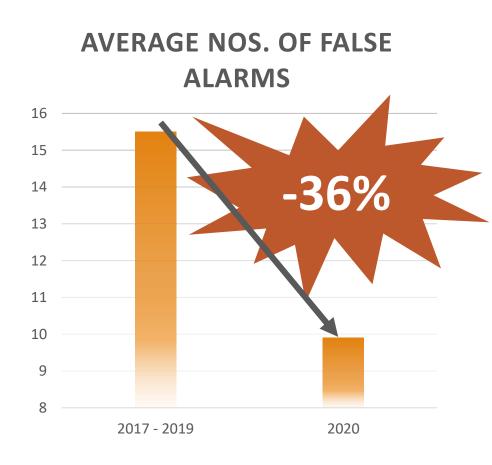
Conclusion

- False alarm
 - A fire alarm activation resulting from a cause other than a fire
 - False alarm Statistics
 - 2013 to 2021
 Reduced by 16.3%



Conclusion

- Measures taken by FSD
 1,950 Proactive inspections
 - Reduced from 15.5 to 9.9
 - Multi-sensor detectors



Thank you



Limitation of False Alarm

Legislative Amendments to Dangerous Goods Ordinance and its Subsidiary Legislation

Regulatory Regime of Dangerous Goods Ordinance, Cap. 295



Packing, Marking and Labelling

1956	2002	2012	2021
Dangerous Goods Ordinance 《危險品條例》 (Cap. 295)	DG (Amendment) Ord. 2002 《2002年危險品(修訂)條例》 (Cap. 295)		
DG (Application & Exemption) Regulations 《危險品(適用及豁免)規例》 (Cap. 295A)		DG (A&E) Reg. 2012 《2012年危險品(適用及豁 免)規例》 (Cap. 295E)	DG (A&E) 2012 (Amendment) Reg. 2021 《2021年〈2012年危險品(適用及豁免) 規例〉(修訂)規例》 (Cap. 295E)
DG (General) Regulations 《危險品(一般)規例》 (Cap. 295B)			DG (Control) Regulation 《危險品(管制)規例》 (Cap. 295G)
DG (Shipping) Regulations 《危險品(船運)規例》 (Cap. 295C)		DG (Shipping) Reg. 2012 《2012年危險品(船運)規例》 (Cap. 295F)	
DG (Government Explosives Depots) Regulations 《危險品(政府爆炸品倉庫)規例》 (Cap.295D)			
			DG(Miscellaneous Amendments) Bill 2021 《2021年危險品(雜項修訂)條例草案》

Objectives

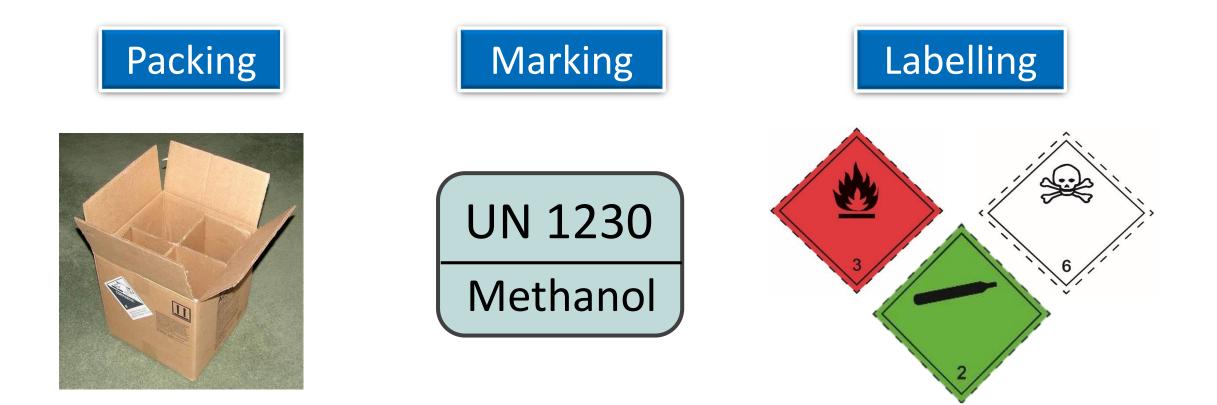


1. Aligning with International Standards

Classification of DG

DG	Label	Cat.	Class	Label	DG
Compressed gases	GASES POSSESSING A FIRE RISK 惹火氣體	Cat. 2	Cl. 2		· Gases
Giving off inflammable vapour	HIGHLY INFLAMMABLE Fuarrows ——ce 秘密者文 Proteat ——re Proteat ——re	Cat. 5 Cl. 1/2	Cl. 3	3	Flammable liquids
Diesel oils, furnace oils and other fuel oils		Cat. 5 Cl. 3	Cl. 3A	3	Diesel oils, furnace oils and other fuel oils

1. Aligning with International Standards



*Independent from Licensing Requirements

Objectives



2. Promoting Public Safety





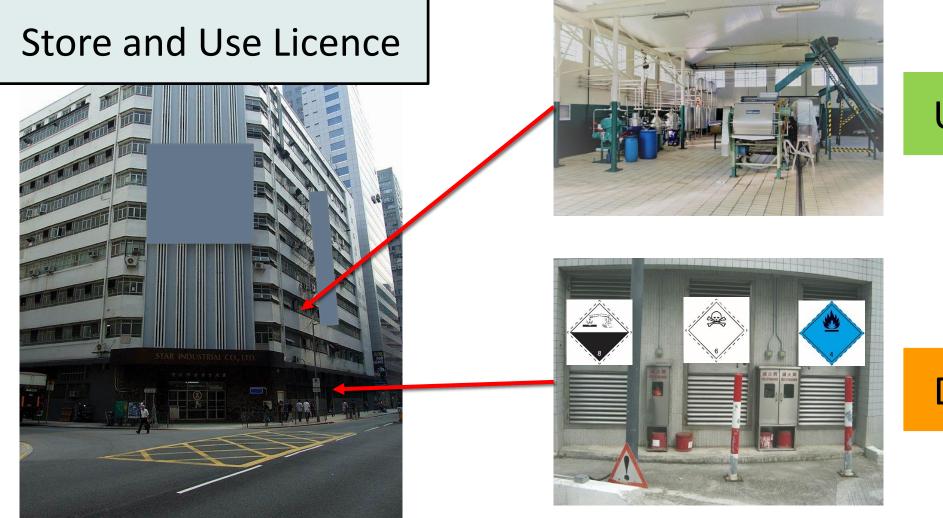


Code of Practice

CODE OF PRACTICE FOR DANGEROUS GOODS ORDINANCE ISSUED BY THE DIRECTOR OF FIRE SERVICES Edition 1, 2022



2. Promoting Public Safety



Use Area

DG Store

2. Promoting Public Safety

	Class 3A DG (Diesel or Fuel Oil or Furnace Oil)
General EQ	500 L
Industrial EQ	2,500 L

➤ Approval mechanism for the storage and use of Class 3A DG (≤ 2,500 L) used as fuel for an emergency generator remains unchanged



Objectives



3. Facilitating Trades & Public

- Balanced between the public safety and the daily use of DG by the public
- Given a higher exempt quantity





Paint Materials(Class 3 and/or Class 8)

General EQ: 250L Industrial EQ: 250L Acetylene (Class 2.1)

General EQ: 150L Industrial EQ: 300L

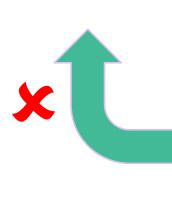
3. Facilitating Trades & Public



Mixed storage of DG of different categories is not permitted



Mixed storage of compatible Class 4 to 9 DG is permitted







Transitional Period (24 Months)

Renewal of Licence

- May choose to renew according to extant legislation
- Must comply with new FSR before the end of transitional period



To specify Use Area and Hazardous Area

Implementation Plan

CODE OF PRACTICE FOR DANGEROUS GOODS ORDINANCE ISSUED BY THE DIRECTOR OF FIRE SERVICES Edition 1, 2022

> Code of Practice

> > w.5/1



A Guide to Application for Dangerous Goods Licence

Application Guidebook



Seminars



Pamphlets





API



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Website

Thank you

Dangerous Goods Legislation Division / Mr. LI Tsz-chun / 2733 7590



Hong Kong Fire Services Department



Promotion of Wider Use of Stand-alone Fire Detectors in Hong Kong



Strengthen the Public's Evacuation Awareness



Legislative Amendment of Cap. 95B - Fire Service (Installations and Equipment) Regulations

Upon one's volition (not required by or pursuant to law):

Reg. 6(2)	Exempt to be installed by an RFSIC
Reg. 7(2)	Exempt to be maintained, inspected or repaired by an RFSIC
Reg. 8(1)	Owners of SFDs are exempted from the statutory duty to (i) keep SFD in efficient working order ; and (ii) conduct annual inspection by an RFSIC





Public Education – General Guidelines

→ Types, standards, optional features (e.g. interconnection)

Installation of stand-alone fire detector
Where & how to install

✓ Maintenance of stand-alone fire detector
 → Regular checking & testing

Stand-alone Fire Detector General Guidelines on Purchase, Installation & Maintenance





Hong Kong Fire Services Department www.hkfsd.gov.hk

Public Education - FSD's Website



Public Education – Promoting the Use of SFD



Promotional Video

TV Programme

Public Education - Ethnic Minorities



براہ مہربانی اپنے گھر میں سٹینڈ۔ایلون فائر ڈیٹیکٹر نصب کریں कृपया तपाइँको घरमा स्ट्यान्ड-अलोन फायर डिटेक्टर स्थापना गर्नुहो





سٹینڈ-ایلون فائر ڈیٹیکٹر کا تعارف स्ट्यान्ड-अलोन फायर डिटेक्टरको एक परिचय

نمايان خصوصيات

*=

ائد ہو۔







جدید گیر کی تشکیل میں مصلوعی مواد یا پلاسٹک کی مصلوعات اگ کی بڑھوتر ی کو نیز کرتی ہیں۔ एक आधुनिक घर सेटिंग मा संश्लेषित सामग्री वा प्लास्टिक उत्पादनहरु आगो को विकास को गति। عمارت کی آگ سے حفاظت کو بہتر بنائیں भवन आगो सुरक्षा बढाउन्होस् "گیر کے سٹرکچر میں آگ لگنے سے مرنے کا خطرہ ان گیروں میں 55% کم ہو گیا ہے جن میں مؤلر سٹینڈ ایلون فائر ڈیٹیکٹرز لگانے گئے ہیں"

انیٹنل قائر پروٹیکٹن ایسوسی ایٹن کی فروری 2021 میں جاری کرنہ رپورٹ کے مطابق "घरको संरचनामा आगोमा मर्ने जोखिम 55% कम प्रमावी ढंगले फायर डिटेक्टरहरु संग स्थापित घरहरुमा छ" फेब्रुअरी 2021 मा जारी राष्ट्रीय अग्नि सुरक्षा संघको रिपोर्ट अनुसार



یروانک سرایتهایش بانی کے لویسے ملدر مور شاہ شد، مشینا ملیون فلر تشیکارز اس بات کی استندگی پورویت مریفیویش بندی شیر در بعی سدی در در منه مده میسیدیون مدر میکود. این به می معطی کورایت می که ان کو منطقه معارات کم مطلق پارتان اور تصفیق کو گلی این انسیان که نیاسی اور به میگری میروناری تصویه اور دیگرم بهان کمی طلق شیلته آیاون افتر گیرانگر کمی صورمی ریما دیارات " سے رجوع گردن.

Pilot Scheme – Home Fire Safety Visit

- **HKFSD Volunteer Team**
- **Target Group:**
 - Elderly living alone
 - Ethnic minorities
- More than 30 units







Pilot Scheme – Home Fire Safety Visit









Public Education – District Fire Safety Committee

 \checkmark



1 Islands District

- 2 Kwai Tsing District
- 3 North District
- 4 Sai Kung District
- 5 Sha Tin District
- 6 Tai Po District
- 7 Tsuen Wan District
- 8 Tuen Mun District
- 9 Yuen Long District

Kowloon 10 Kowloon City District 11 Kwun Tong District 12 Sham Shui Po District 13 Wong Tai Sin District 14 Yau Tsim Mong District

Hong Kong Island 15 Central & Western District 16 Eastern District 17 Southern District 18 Wan Chai District

P. .

Promoting the

Use of Stand-

alone Fire

Detectors

DFSC

Thank you

Voluntary Recognition Scheme for FSI Technicians



A

建築署 Architectural Services Department





Background

Purpose:

- enhance the professional standards among FSI practitioners responsible for FSI maintenance works
- uplift the installation and maintenance quality of building FSI





May 2021 Establishment of Technical Advisory Committee (TAC)



建築署 Architectural Services Department



CityU 香港城市大學 City University of Hong Kong

Chief Engineer (General Engineering Services) Chief Building Services Engineer Assistant Director (Licensing and Certification)

Chair Professor, Department of Architecture and Civil Engineering; cum Chief-of-Staff, Office of the President, Chairman, The Association of Registered Fire Service Installation Contractors of Hong Kong Ltd.

July 2021

Approved Scheme Details (Phase 1)

Туре	Module	Subject	Organizers
Core Modules	Module 1	Fundamental Technical Knowledge, Laws and Guidelines, Values and Integrity	FSD
	Module 2	Introduction of Major FSIs	VTC
Selective Modules	Module 3	FH/HR System	VTC
	Module 4	Sprinkler System	
	Module 5	Fire Alarm System	
	Module 6	Fire Detection System	
	Module 7	Smoke Extraction System	
	Module 8	Staircase Pressurization System	

Sep 2021 Commencement of Trainings (Phase 1)



Module 1 Fundamental Technical Knowledge, Laws and Guidelines, Values and Integrity













Module 2 Introduction of Major FSIs



Oct 2021



Module 3 FH/HR System



Module 4 Sprinkler System

Way Forward

Development of training modules for other major FSIs

Expansion of the Scheme to recognize more than 400 FSI Technicians in 2 years

Promotion of the Scheme to all FSI Owners





Thank you

Q&ASession

Please type your questions





Thank You !

