

道道 消防處 Fire Services Department

# **FSD Connects with the Relevant Industries of Dangerous Goods**

26 August 2022

### AGENDA

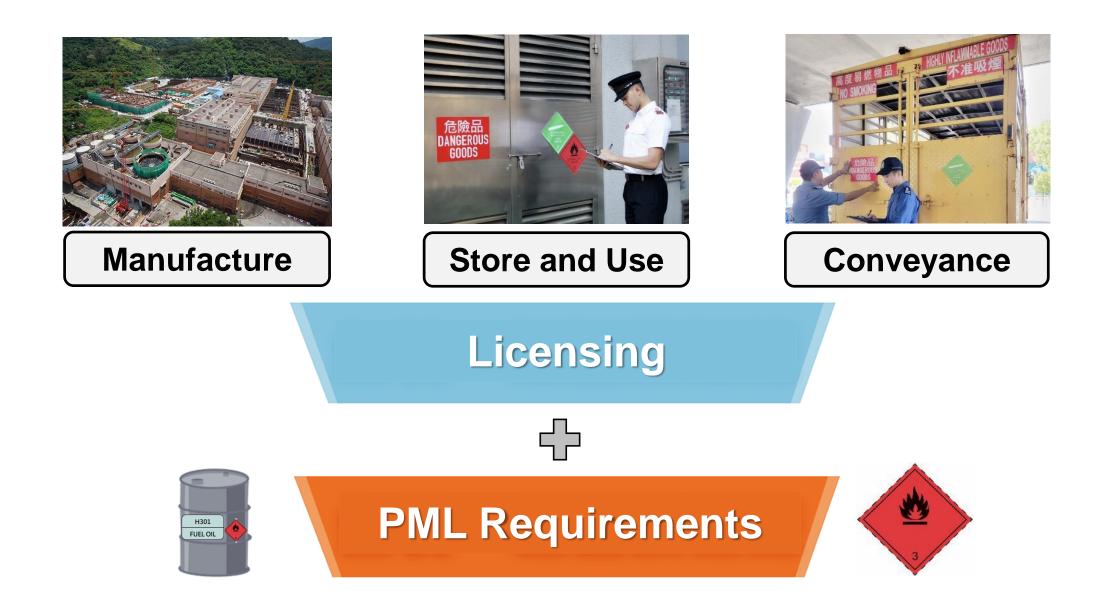
Welcoming Address	Mr. LAI Wai-hei
Topic 1: Four Major Enhancements of the New DG Regulatory Regime	Mr. CHEUNG Pit-shing
Topic 2: Application for Store and Use Licence	Mr. CHEUK Wa-lun
Topic 3: Application for Conveyance Licence	Mr. YEUNG Ka-wai, Kevin
Q & A Session	All Speakers



消防處 Fire Services Department

# **Welcoming Address**

Divisional Officer LAI Wai-hei Dangerous Goods Legislation Division Licensing and Certification Command Fire Services Department



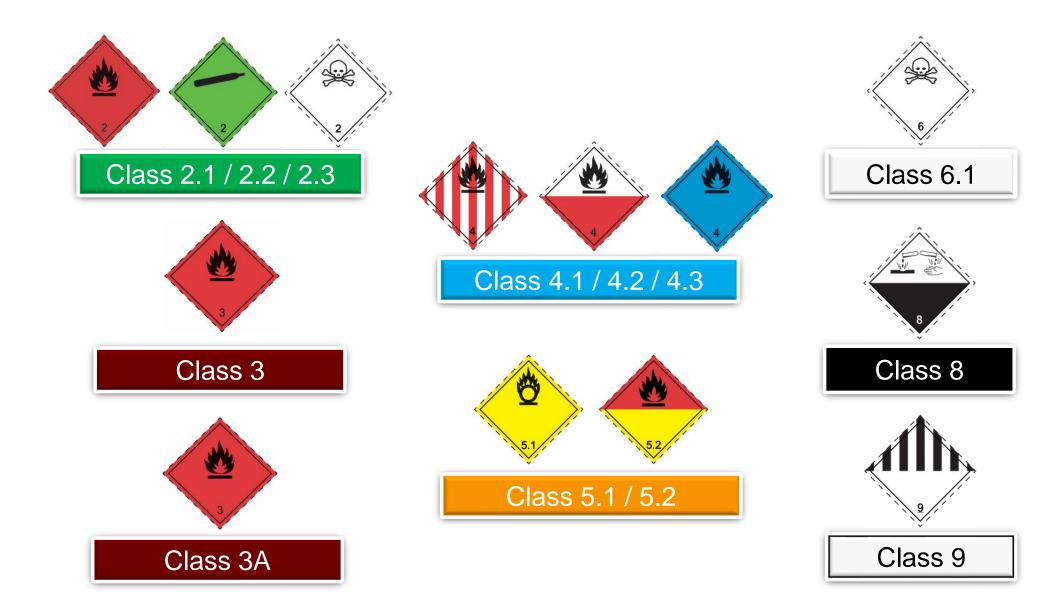


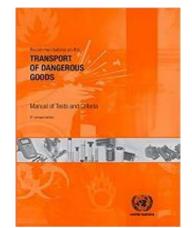
消防處 Fire Services Department

## Four Major Enhancements of the New DG Regulatory Regime

Acting Assistant Divisional Officer CHEUNG Pit-shing Dangerous Goods Legislation Division Licensing and Certification Command Fire Services Department





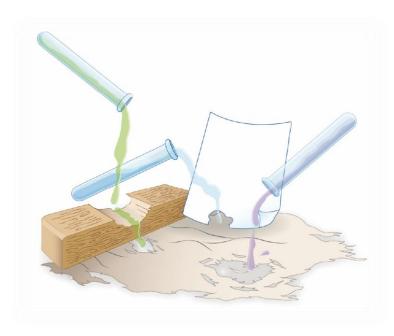


### Recommendations on the Transport of Dangerous Goods by United Nations

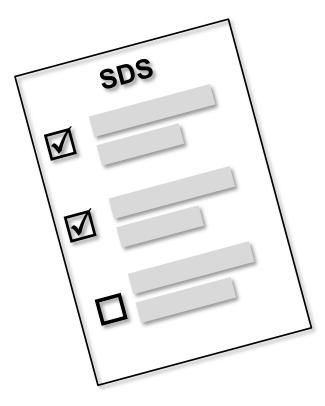


Repea	Repealed Legislation			Amended Legisla	ation
DG	Label	<u>Cat.</u>	<u>Class</u>	Label	DG
Compressed Gases	GASES POSSESSING A FIRE RISK 惹火氣麗	Cat. 2	Class 2		Gases
Substances giving off inflammable vapour	HIGHLY INFLAMMABLE RAME POINT	Cat.5 Class 1/2	Class 3	3	Flammable Liquids
Corrosive Substances	CORROSIVE 有腐蝕性	Cat.3	Class 8		Corrosive Substances





Packing	Exposure	Observation	Effect
Group	Time	Period	
Ι	$\leq$ 3 min	$\leq 60 \min$	Irreversible damage of
			intact skin
II	$> 3 \text{ min} \le 1 \text{ h}$	$\leq 14 \text{ d}$	Irreversible damage of
			intact skin
III	$> 1 h \leq 4 h$	$\leq$ 14 d	Irreversible damage of
			intact skin
III	_	_	Corrosion rate on either
			steel or aluminium
			surfaces exceeding
			6.25 mm a year at a test
			temperature of 55°C when
			tested on both materials

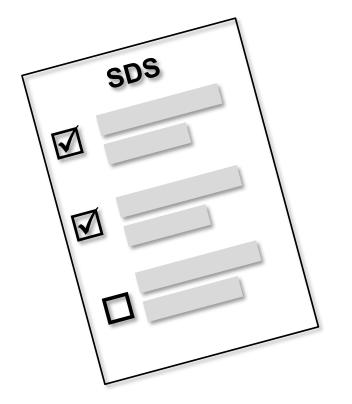


### > 1,700 types of DG



**Safety Data Sheet** 

DG Thematic Website www.hkfsd.gov.hk/dg

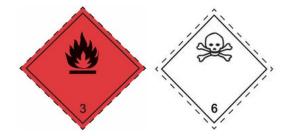


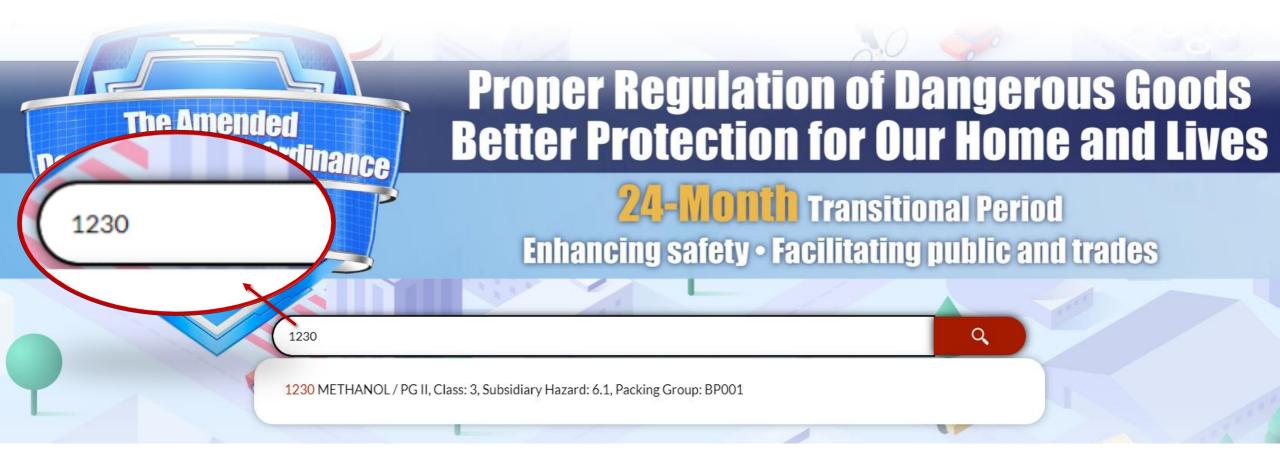
Safety Data Sheet

### Example:

Section 14 Transport Information

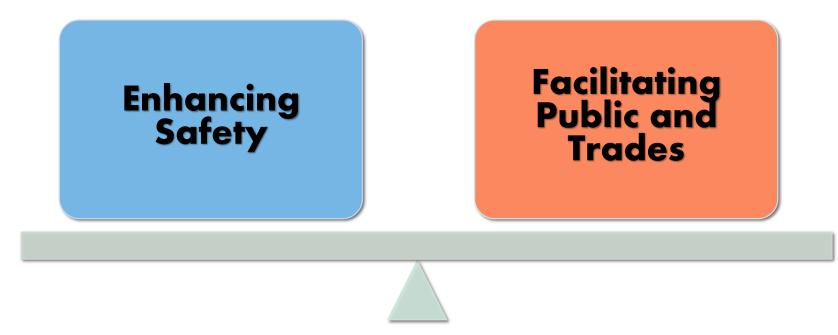
UN number : UN 1230 Proper Shipping Name : Methanol Class : 3 Subsidiary Hazard: 6.1





#### < Dangerous Goods Search

UN No. / HK No.	1230			
Proper Shipping Name / Packing Group (if any)	METHANOL / PG II	UN No. / HK No.		1230
Class	3	Proper Shipping Name / Packing Group (if any)		METHANOL / PG II
Subsidiary Hazard	<u>6.1</u>		I	
General Exempt Quantity	25	Class		<u>3</u>
Industrial Exempt Quantity	150	Subsidiary Hazard		6.1
Special Exempt Quantity	None		I	
Limited Quantity	1	General Exempt Quantity		25
Maximum Package Size	None	Industrial Exempt Quantity		150
Specifications	-			
Supplementary Notes (Appendix 4)	279	Special Exempt Quantity		None
Packing (Appendix 5) Basic Packing Instructions (BP) Special Packing Instruction (SP)	<u>BP001</u> -			
Compatibility	-			







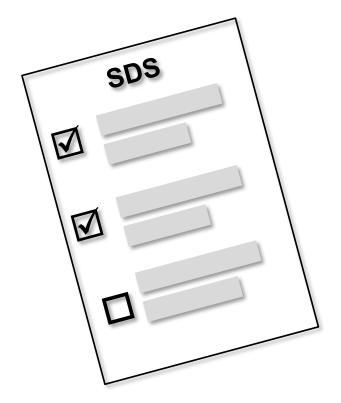


#### Substances that are not regulated by the DGO









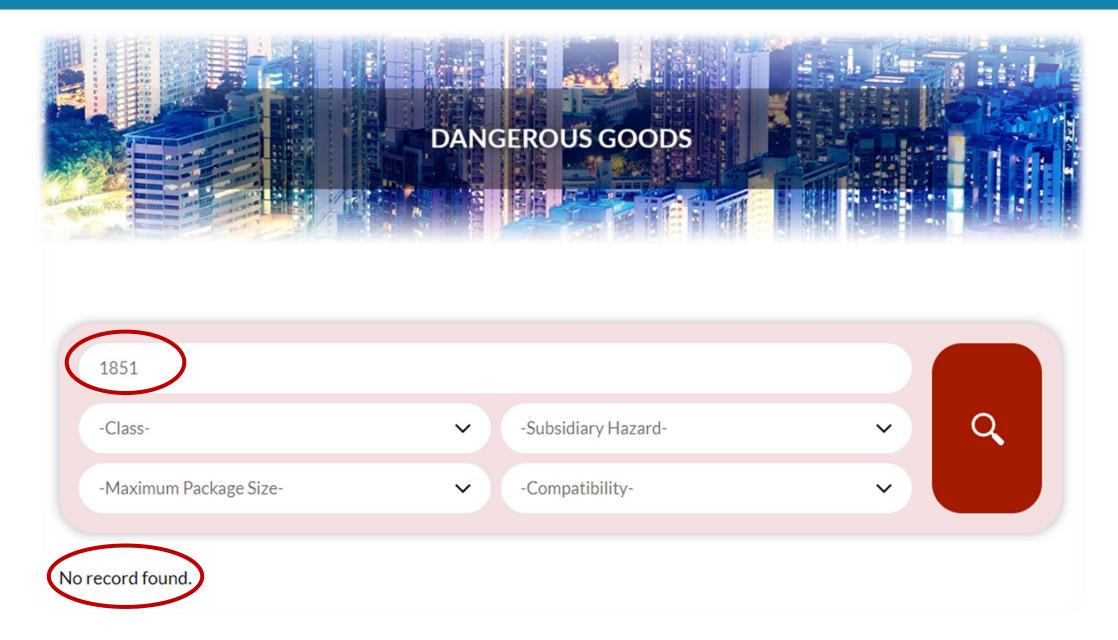
Example:

Section 14 Transport Information

UN number : UN 1851 Proper Shipping Name : MEDICINE, LIQUID, TOXIC, N.O.S.

**Safety Data Sheet** 







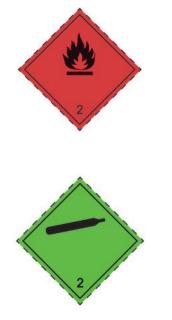
Industrial Exempt Quantity

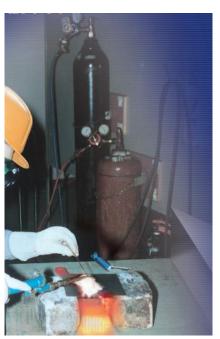




UN 1001 **ACETYLENE, DISSOLVED** Class 2.1

UN 1072 OXYGEN, COMPRESSED Class 2.2

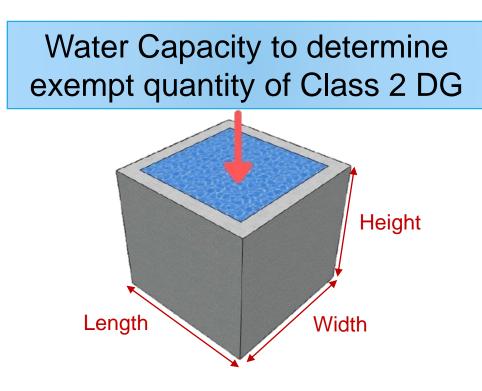




Repeale	d Legislation	Amended	Legislation
DG	Exempt Quantity	Industrial Exempt Quantity	DG
Acetylene	2 Cylinders	300 Litres	Acetylene, Dissolved (UN 1001)
Oxygen	2 Cylinders	300 Litres	Oxygen, Compressed (UN 1072)
Aggregate Limit	2 Pairs Only	<b>,</b>	<b>up to ~5 Pairs</b> water capacity each)







#### Example:

UN 1013 Carbon Dioxide Class 2.2



Repealed L	egislation	Amended	Legislation
DG	Exempt Quantity	General Exempt Quantity	DG
Carbon Dioxide	1 Cylinder	150 Litres	Carbon Dioxide (UN1013)



1 cylinder only

**7 pressure receptacles = ~140 Litres** (assuming 20 Litres water capacity each)

### Enhancement to the Packing, Marking & Labelling (PML) Requirements







### Out-to-date Requirements Deleted

Repealed Legislation	Amended Legislation
Colour marking of gas cylinder	Marking & Labelling Requirements Updated
r. 65 of the repealed Cap. 295B: the head should be painted conspicuously (i) Red (inflammable) (ii) Yellow (poisonous) (iii) Red and Yellow (inflammable and poisonous)	Marking: UN 1045 FLUORINE Labelling:

PML Requirements under s.142 of Cap. 295G

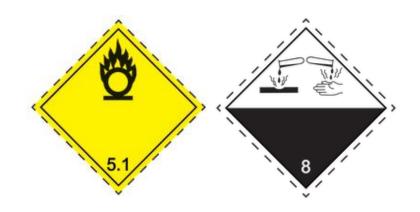
Packing







Basic Packing Instructions Special Packing Instructions UN 2031 NITRIC ACID



UN No. and Proper Shipping Name / True Name Labels for Class 5.1 and Subsidiary Hazard of 8







Nitric Acid	/ PGII
-------------	--------

- (1) Water Capacity: 800 ml
   < Limited Quantity (1 Litre)</li>
- (2) Glass Bottle fulfilling BP001

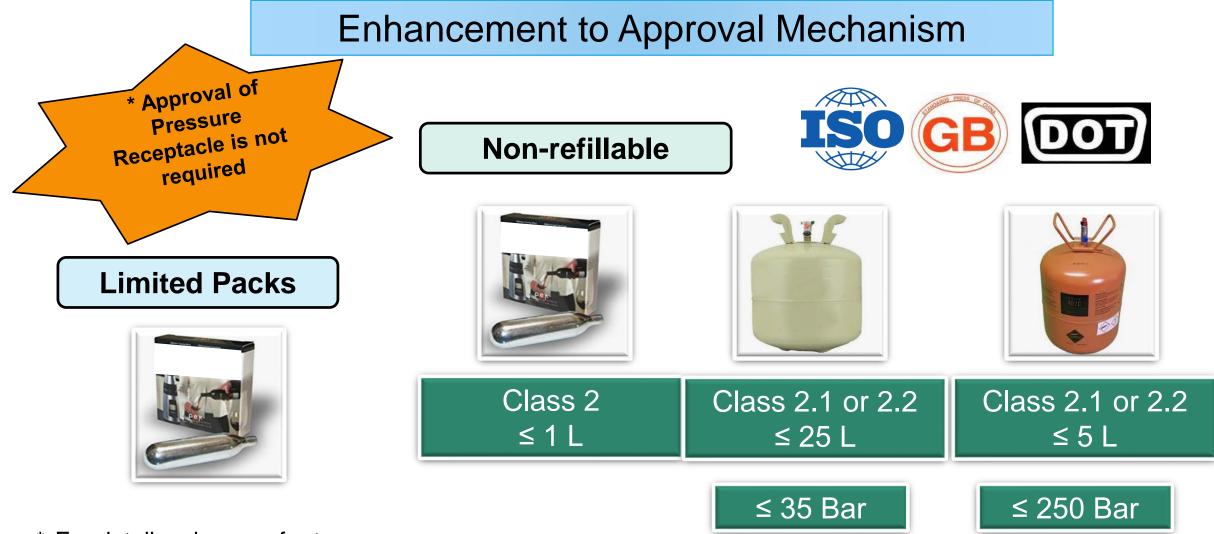
Marking

Exempted



Labelling

< Dangerous Goods Search		
UN No. / HK No.		2031
Proper Shipping Name / Packing Group (if any)		NITRIC ACID / PG II
Limited Quantity		1



\* For details, please refer to s. 145(2) of Cap. 295G

### Enhancement to Approval Mechanism

Repealed Legislation	Amended Legislation
Cylinder Approval	Pressure Receptacle Approval (Special Packing Requirement)
Yes	Yes (exemptions under s.145(2) of Cap. 295G)



### Effect of Compliance with IMDG Code\*



\* Except Class 2 and Class 3A DG



### DGCP







UN No. / HK No.		1791	>
Proper Shipping Name / Packing Group (if any)		HYPOCHL	
Class		8	
Subsidiary Hazard		None	1791
General Exempt Quantity		250	
Industrial Exempt Quantity		250	HYPOCHLORITE SOLUTION / PG III
Special Exempt Quantity		None	
Limited Quantity		5	
Maximum Package Size		5	
Specifications			f a Hypochlorin 与 d. 設題的混合物
Supplementary Notes (Appendix 4)		274	
Packing (Appendix 5) Basic Packing Instructions (BP) Special Packing Instruction (SP)		<u>BP001</u> -	
Compatibility	1	CG8	

#### < Dangerous Goods Search

UN No. / HK No.		1230	
Proper Shipping Name / Packing Group (if any)		METHANOL / PG II	
Class		3	
Subsidiary Hazard		<u>6.1</u>	
General Exempt Quantity		25	
Industrial Exempt Quantity		150	Shall not
Special Exempt Quantity		None	be treated
Limited Quantity		1	as DGCP
Maximum Package Size	C	None	
Specifications		-	
Supplementary Notes (Appendix 4)		279	
Packing (Appendix 5)			
Basic Packing Instructions (BP)		<u>BP001</u>	
Special Packing Instruction (SP)		-	
Compatibility		-	

#### < Dangerous Goods Search

UN No./HK No.	17	791	
Proper Shipping Name / Packing Group (if any)	C		
Class			
Subsidiary Hazard	2	5 Litres	
General Exempt Quantity			
Industrial Exempt Quantity			
Special Exempt Quantity			
Limited Quantity	5		
Maximum Package Size	5	$\mathbf{)}$	
Specifications		Nixtures of a Hypochlorite with R氯酸鹽與錠鹽的混合物屬違熱	h an ammonium salt is prohibited. 簑品。
Supplementary Notes (Appendix 4)	27	74	
Packing (Appendix 5)			
Basic Packing Instructions (BP)	BF	P001	
Special Packing Instruction (SP)	-		
Compatibility		G8	

### DGCP









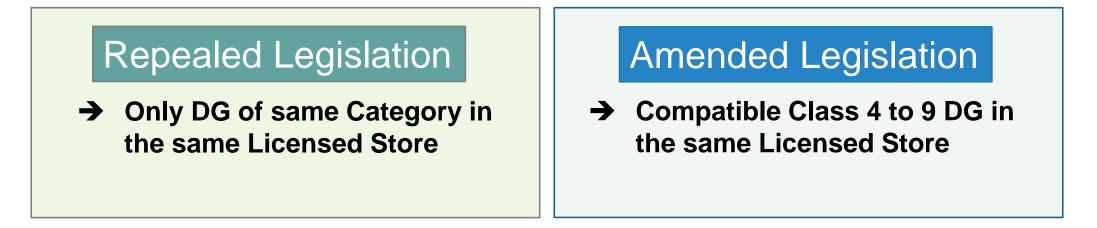
### Enhancement

Consumer Pack Exempt Quantity

Class	Consumer Pack EQ (uninhabited compartment) (L/Kg)	Consumer Pack EQ (warehouse) (L/Kg)
Class 2 (e.g. Aerosol)	1000	5000
Class 3 (PG II) (e.g. Ethanol)	300	1500
Class 3 (PG III) <mark>(e.g.</mark> Adhesive)	1000	5000
Class 4.1, 5.1, 6.1 or 8 (e.g. Bleach)	1000	5000
Aggregate DGCP EQ	<u>1000</u>	<u>5000</u>

### DGCP Enhancement Exempt from **PML Requirements** UN 1170 **ETHANOL** Exempt from **Conveyance Licence**

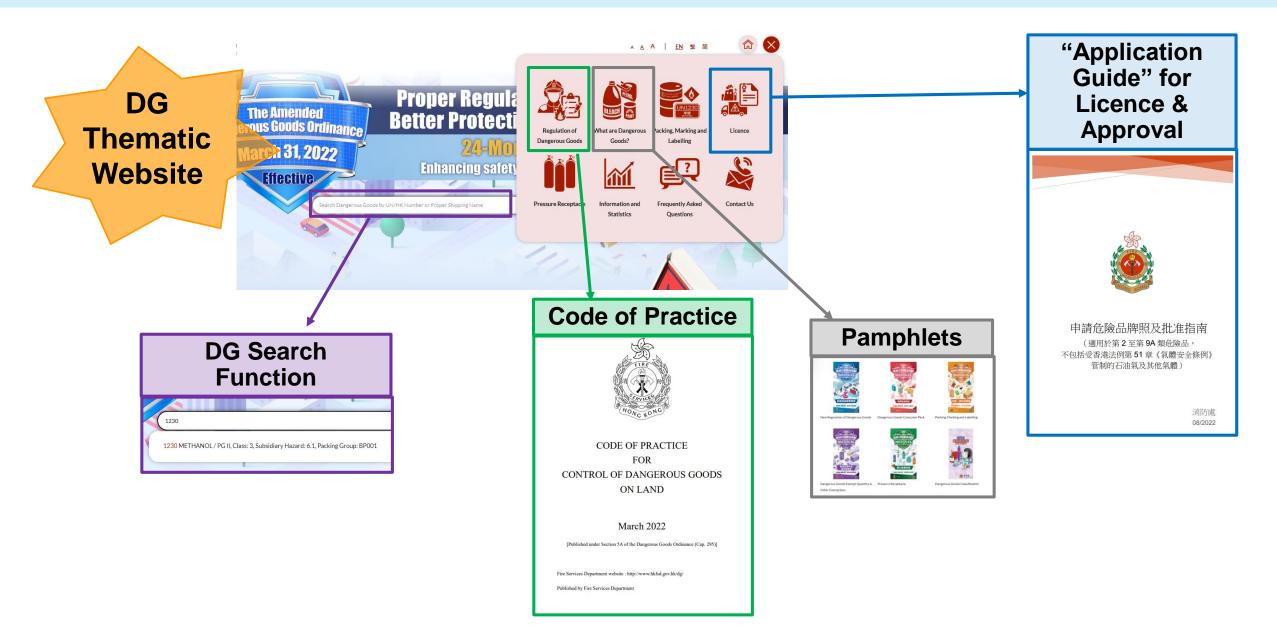






Repealed Legislation		Amended Legislation		
Chloroform	Cat. 4	Class 6.1	Chloroform (UN 1888)	
Hydrogen Peroxide (10%)	Cat. 7	Class 5.1	Hydrogen Peroxide (UN 2984)	
Benzaldehyde	Cat. 5	Class 9	Benzaldehyde (UN 1990)	
DG Stores required	3	1 ONLY	DG Stores required	

### **One-Stop Information Portal**



### Code of Practice for Control of DG on Land





CODE OF PRACTICE FOR CONTROL OF DANGEROUS GOODS ON LAND

March 2022

[Published under Section 5A of the Dangerous Goods Ordinance (Cap. 295)]

Fire Services Department website : http://www.hkfsd.gov.hk/dg/

Published by Fire Services Department

#### Statutory Document:

→ issued under section 5A of the DGO by the D of FS

### Practical Guidance:

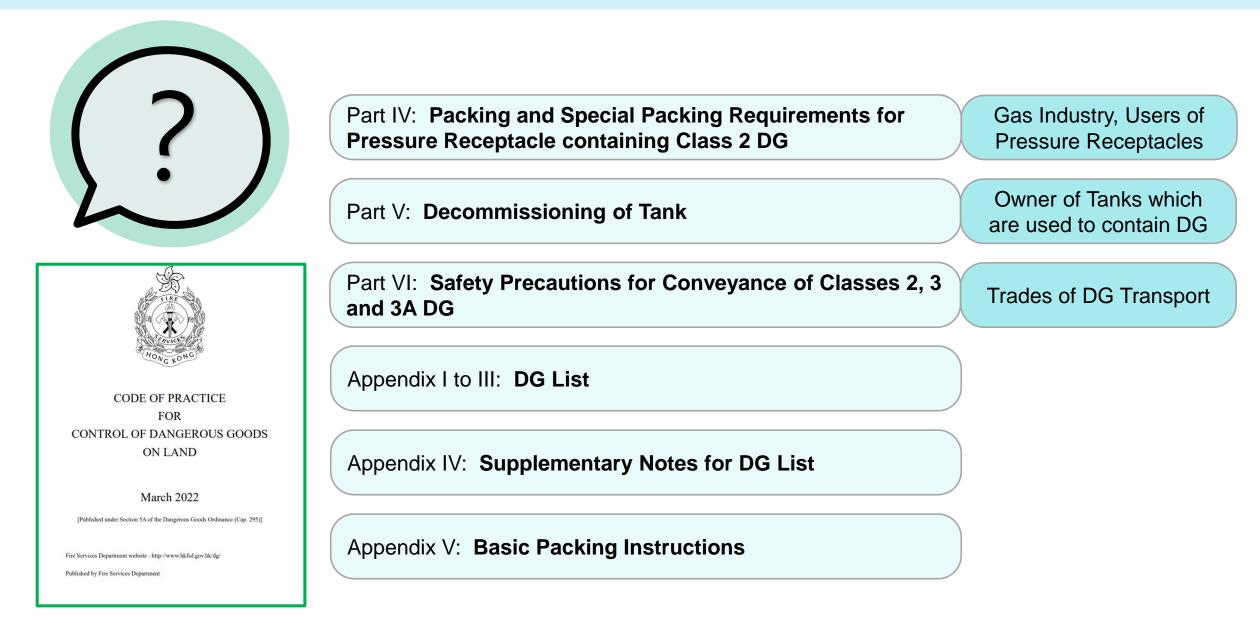
- → in respect of the requirements under the DGO
- Important Technical Resource:
  - → to help the DG practitioners to comply with legal requirements

Part I: General Provisions

Part II: Classification and Compatibility of DG

Part III: Packing, Marking and Labelling

### Code of Practice for Control of DG on Land



### A Guide to Application for DG Licence and Approval

Chapter 2.1:



Part 1: General Information

Part 2 (Chapter 2.1 to 2.4): Licensing and Approval of S2DG

Potential / Existing

申請危險品牌照及批准指南 不包括受香港法例第51章《氣體安全條例》 管制的石油氣及其他氣體)

Conveyance Licence	Licensees (DG Vehicles)
Chapter 2.2: Store and Use Licence, Manufacture Licence,	Potential / Existing
Approval of Tank	Licensees (DG Storage)
Chapter 2.3:	Potential / Existing
Ventilation and Electrical Installation	Licensees (DG Storage)
Chapter 2.4: Special Gases in the Microelectronics Industry	Microelectronics Industry

消防處 08/2022

### A Guide to Application for DG Licence and Approval



申請危險品牌照及批准指南 (適用於第2至第9A類危險品, 不包括受香港法例第51章《氣體安全條例》 管制的石油氣及其他氣體) Part 3 (Chapter 3.1 to 3.2): Approved Person and Pressure Receptacle

Chapter 3.1: Status of Approved Person

Chapter 3.2: Pressure Receptacle Approval

Part 4: Miscellaneous Chapter 4.1: Notification of Storage of Class 9A DG

Appendix I to VII: Sample of Fire Safety Requirements (DG Vehicles)

Appendix VIII to X: Sample of Fire Safety Requirements (DG Stores) Gas Industry, Users of Pressure Receptacles

Gas Industry, Users of Pressure Receptacles

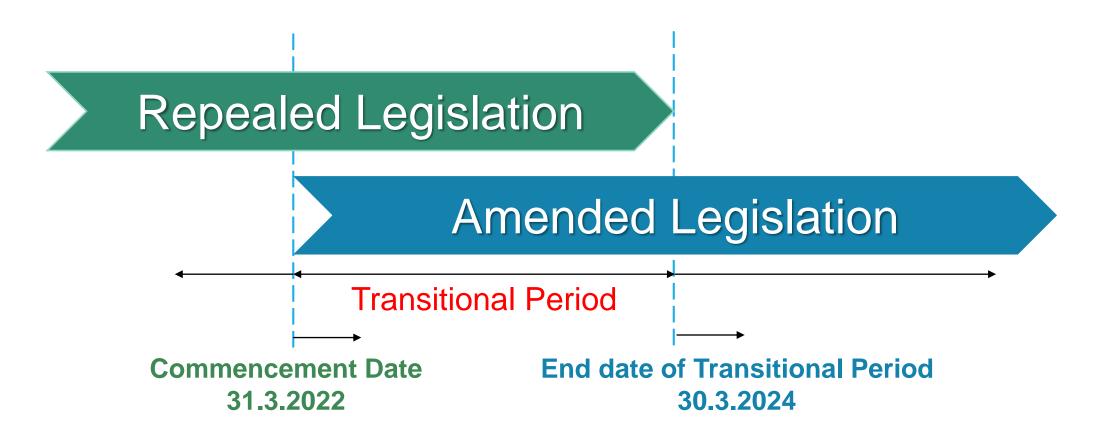
Industries storing CI.9A DG, e.g. rubber tyres

Potential / Existing Licensees (DG Vehicles)

Potential / Existing Licensees (DG Storage)

消防處 08/2022

### 24-month Transitional Period





消防處 Fire Services Department

# **Thank You!**















消防處 Fire Services Department

# How to Apply for Store and Use Licence

Senior Station Officer CHEUK Wa-Iun Dangerous Goods Control Division Licensing and Certification Command Fire Services Department

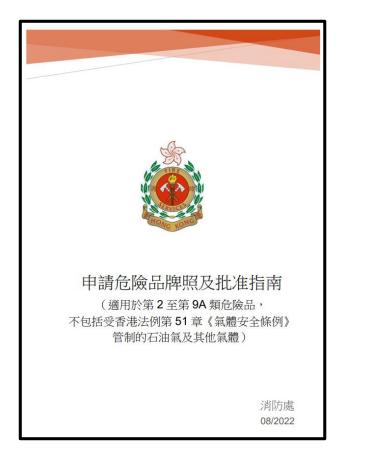


### Application workflow

- Documents required
- New Fire Safety Requirements and Addendum

<u>Scenario 1</u>	<u>Scenario 2</u>	<u>Scenario 3</u>						
New Application	New Application Application in Progress							
	<u>Step 1</u> Submission							
Issuance of F	<u>Step 2</u> Issuance of FSRs / Addendum + Endorsement of plans							
<u>Step 3</u> Report of completion								
Issuance of Licence / Approval under Cap. 295G								

### Reference

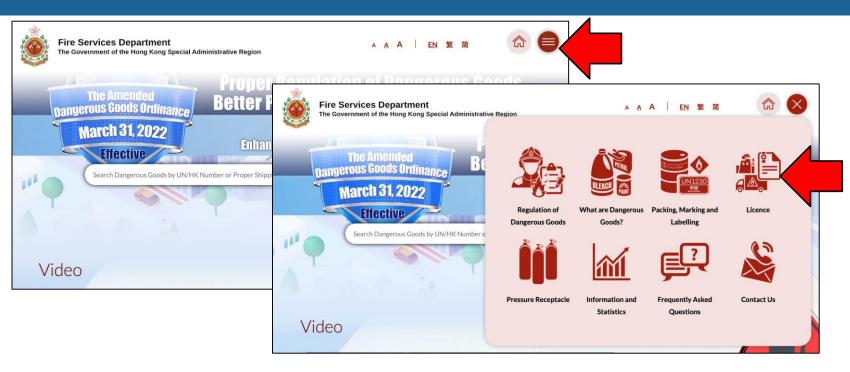


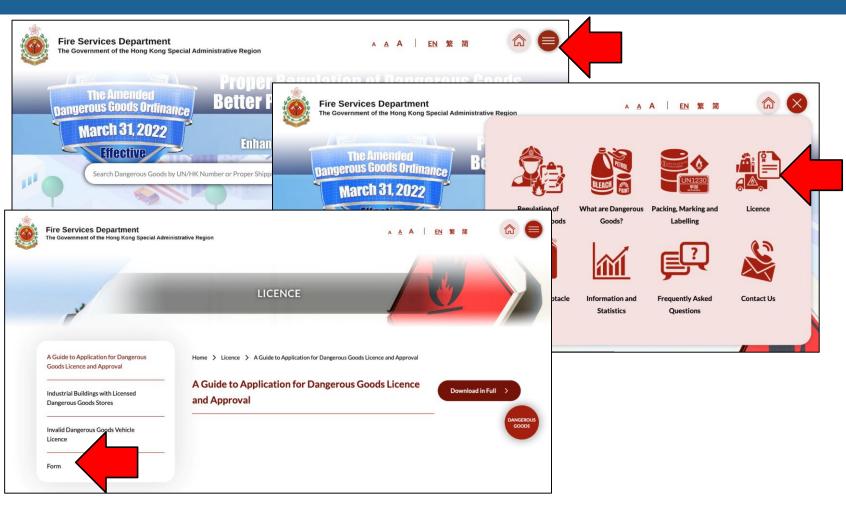
"Application Guide" for Licence & Approval DG Thematic Website www.hkfsd.gov.hk/dg

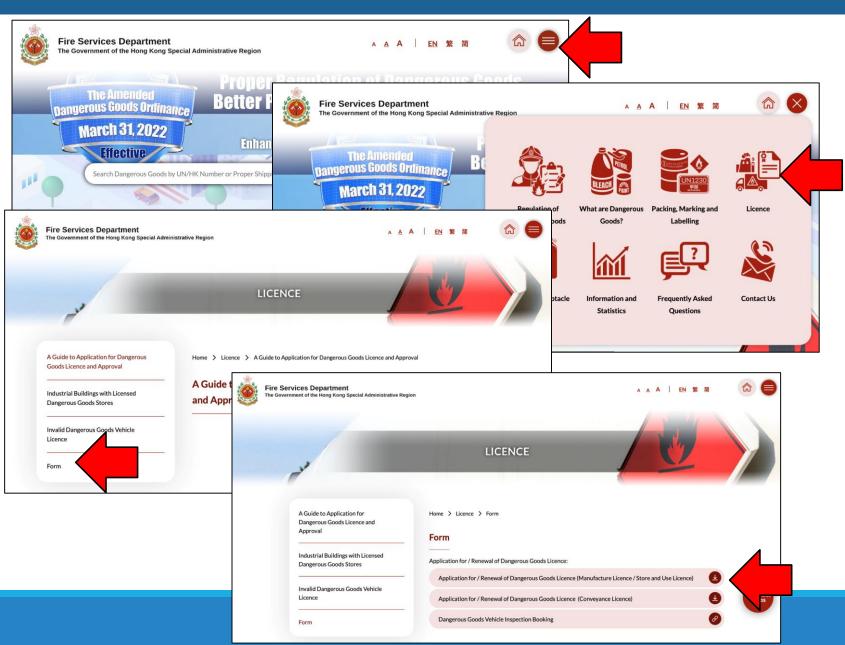


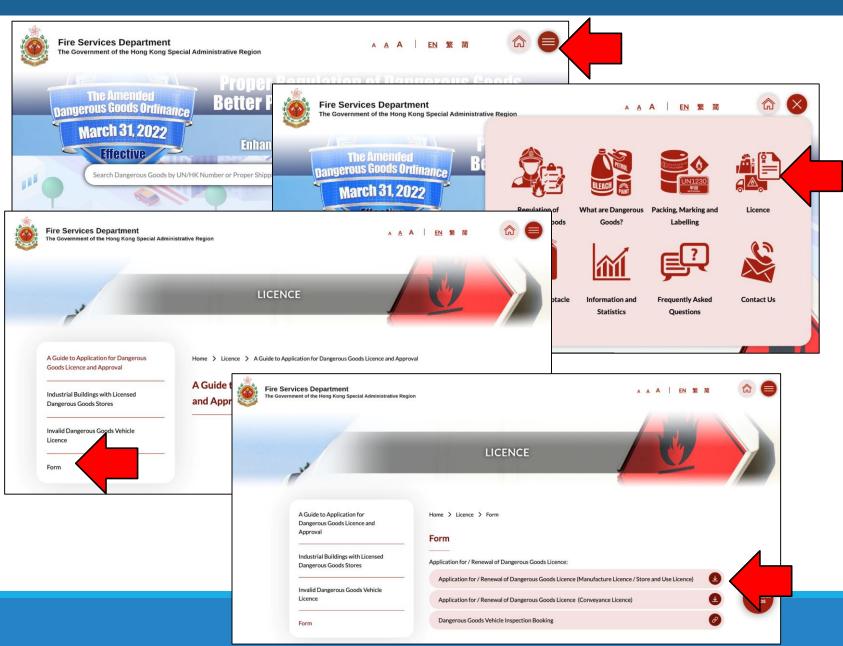










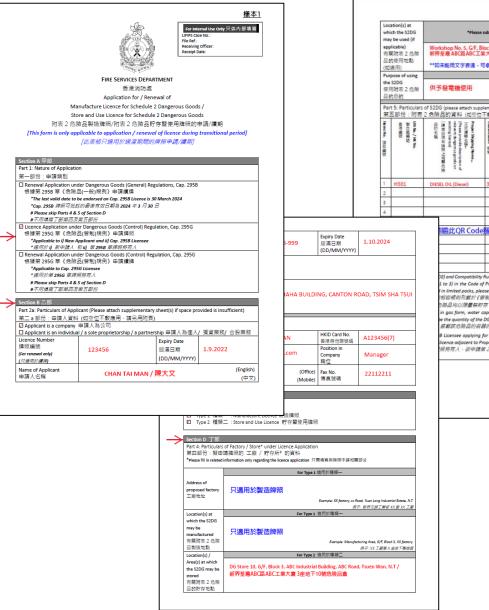




For Internal Use Only 只供內部填寫

[This form is only applicable to application / renewal of licence during transitional period] [此表格只適用於過渡期間的牌照申請/讀期]

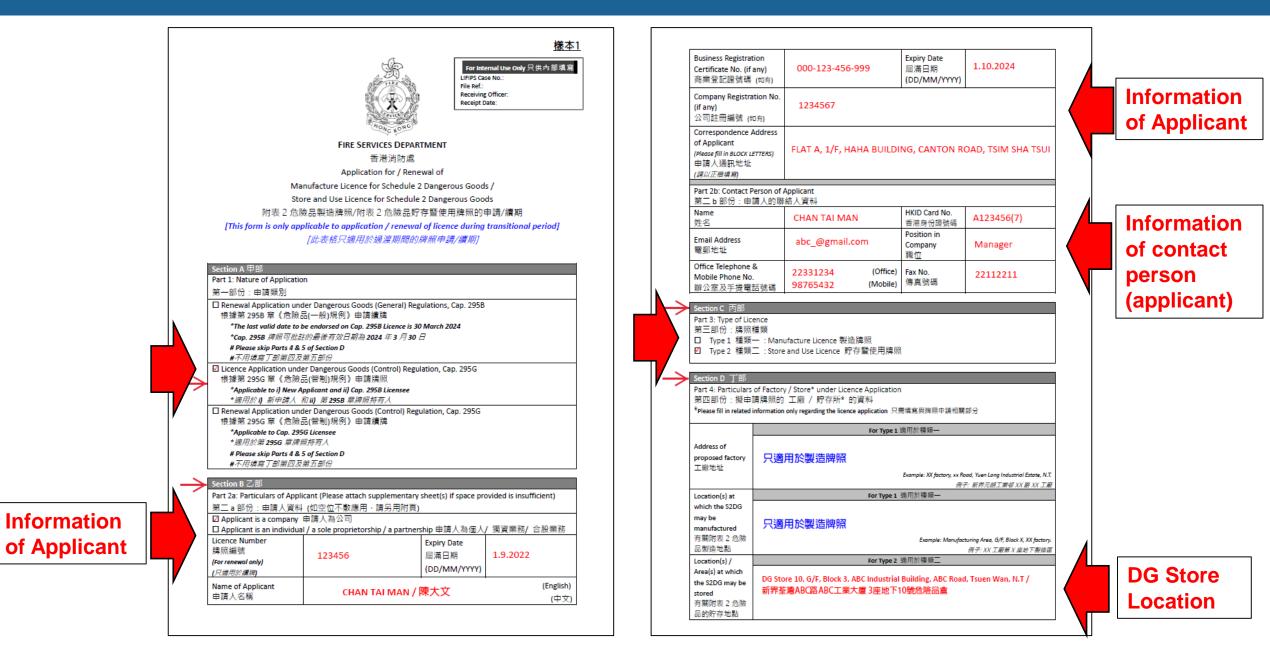
Section A 甲部			
Part 1: Nature of Application	on		
第一部份:申請類別			
	der Dangerous Goods (General) Reg 品(一般)規例》申請續牌	ulations, Cap. 295B	
*The last valid date to	be endorsed on Cap. 295B Licence is 30	) March 2024	
*Cap. 295B 牌照可批註	生的最後有效日期為 2024 年 3 月 30 )	9	
# Please skip Parts 4 &	5 of Section D		
#不用填寫丁部第四及	第五部份		
Licence Application und	er Dangerous Goods (Control) Regu	lation, Cap. 295G	
根據第 <b>295G</b> 章《危險》	品(管制)規例》申請牌照		
	Applicant and ii) Cap. 295B Licensee		
	和ii) 第295B 章牌照持有人		
	der Dangerous Goods (Control) Reg	ulation, Cap. 295G	
	品(管制)規例》申請續牌		
*Applicable to Cap. 295			
*適用於第 295G 章牌。	11555557		
# Please skip Parts 4 &			
#不用填寫丁部第四及	第五部份		
Section B 乙部			
	icant (Please attach supplementary	sheet(s) if space pro	ovided is insufficient)
	↓ (如空位不敷應用・請另用附頁)	sheet(s) ii space pit	ornaca io mountelent,
Applicant is a company	· · · · · · · · · · · · · · · · · · ·		
	al / a sole proprietorship / a partners	ship 申請人為個人	/ 獨資業務/ 合股業務
Applicant is an individua	<u>, , , , , , , , , , , , , , , , , , , </u>	Expiry Date	
Licence Number			
Licence Number 牌照編號		屆滿日期	
Licence Number 牌照編號 <i>(For renewal only)</i>			
Li Applicant is an individual Licence Number 牌照編號 (For renewal only) (尺總用於續牌) Name of Applicant		屆滿日期	(English)



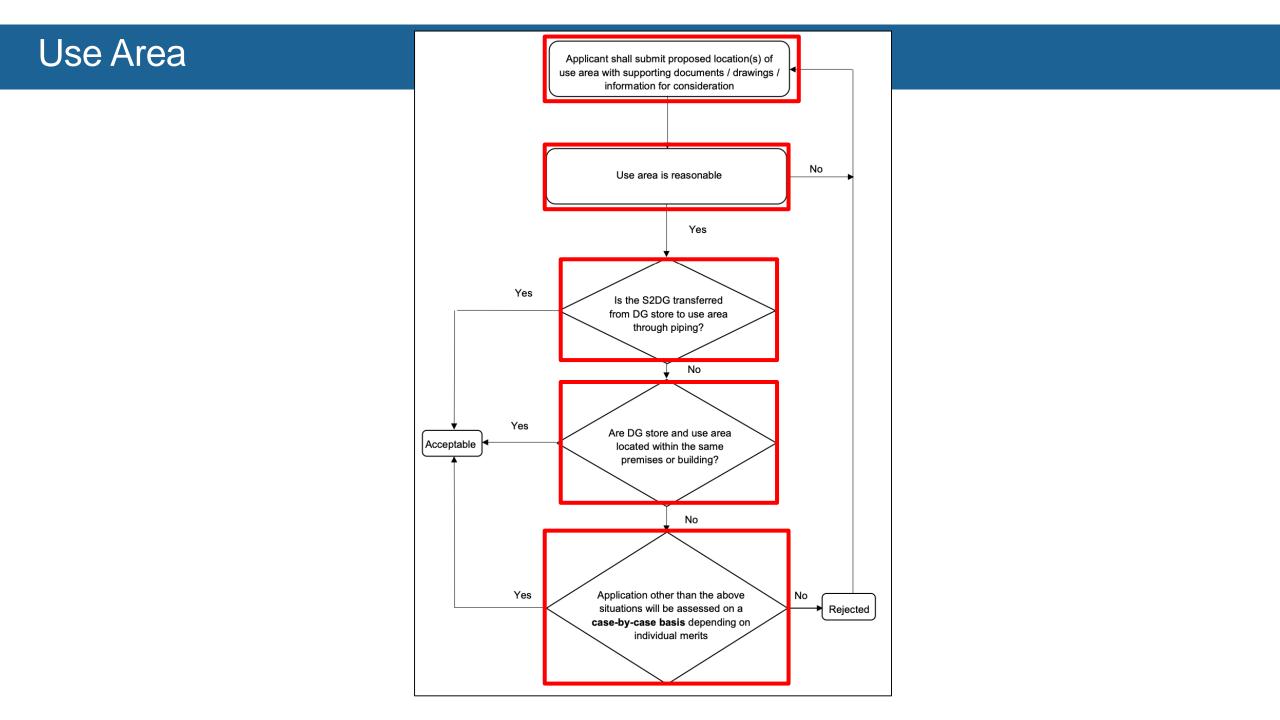
								-					
'Please si	ubmit			]於權赖二 is inexplicable	as an address								ut plan in DG may
G/F, Blo	*±0	ME法以外 ABC In	t址說明 · dustrial	讀禮交圖則說 Building, AB		.T./					9	一份」 點的 <sup>国</sup>	(A4 頁) 平面圖
80. · 可			下 5號工作	F.M.								詳情	e refer to 青參閱申
				於權級二							a	ddres	
ŧ											÷ 2	sets	去以地址 of drawi
			et(s) if sp 另用附真	ace provided is	s insufficient)							Pleas	頁示危險 e refer to 青參閱申
Proper Shipping Name-	Classification 12.07	Subsidiary Hazard HIB/028/# (If any EXI)	Packing Group 213 2237 (If any 1242)	Compatibility Group (CG) and Compatibility Rule (CR)^ 웹마셔 인체 웹마셔 인체	Maximum Quantity# for Storage and Use in Aggregate 표구한 주최(史用)라플용 위 표+ "Delete as appropriate 클	Storage in Tank 以品筆品中					F	oropo o- a) b) c)	Block p Floor p Section
_				(if any 纪月)	除不識用業	-					P	雨套衣	Elevati 育闕工廠 樓宇平
_	3A	N.A.		NA	3000 L/kg*							b)	樓層平
					L/ig*							c) d)	側面圖 立視圖
					L/kg*							Pleas	e refer to
odat	(1) <b>(2</b> )	市文		類別及其	L/kg*								
loues	24	£Э	3PX 0	洲川火井	L/ig*								
					L/kg*								
					L/ig*			nitted herewith for appl	lication 就此申請夾 Renewal		Application		
elhilin (	andre 10	Plafdi	Harant S2	DG are arouid	L / kg* ed in column 10 of the Do				Application under	under (	ap. 295G		
Code of	Pract	ice for C	ontrol of	Dangerous G	oods on Land. (If all S2D	G in the			Cap. 295B/ Cap. 295G		G 章申請牌 (Cap. 295		
					ontaining the S2DG.)不/ 一覽表(附錄 1 至 3)的算				根據第 295B	New Applicant	Licensee	,	
<b>目</b> 長行行	7 · 3	提供量	重获的社	62.危險品的	容器的尺寸・)				/295G 章 申請續牌	新申請人	第 295B 牌照持有		
of the D	DG.			e receptocle i	n which the dangerous	goods is		ntity proof - HKID card ficate 件副本 — 香港身份	~	~	~		
plying fo nt to Pro	per S	ap. 295 hipping	G Licence Name.	, please provi	de the description of da	ingerous		ty proof – HKID card /				_	
《中請弟	2950	5 <i>唯 1</i> 年1	丽· <i>時在</i>	正式運輸名稱	<i>到旁篇上現有陳照上的</i>	后版		ificate (applicable to tent) 件副本 — 香港身份 由代理人辦理的申請) (己部	~	~	¥		
								from the applicant ubmitted by agent) 3理人辦理的申請) 3己部	~	~	¥		
					一份定期	明測試證	書(表格	rtificate (Form WR2) 译WR2)副本	~	-	~		
					and Equ	ipment (F	51)	ire Service Installations (FS 251)副本	~		~		
					inspection	on perfo s used fo	ed, in storage Servic	on report for test and respect of tanks or e of gases, by persons es Department 測貯槽 / 氣體管道裝	~		¥		
					一份消费	防處認可 <sub>魚驗報告</sub>							

						]		
S2DG may be 以 A4 頁面 印平面圖 asse refer to App 請請參閱申請捐 asse submit plan ess	顧示有關附表 2 危險品使用地 plication Guide for details	-	✓ Store and Use Licence 貯存暨使用 牌照	✔ Store and Use Licence 貯存暨使用 牌照				
顯示危險區的	plication Guide for details	-	~	*				
nosed factory/ a) Block plar b) Floor plan c) Section pl d) Elevation 済開建丁寧(百 a) 健宇平面 b) 棲層平平 (側面面) d) 立視圖 asse refer to App ac	n lan plan ?存所的圖則,包括但不限於— 	10	¥	√2	-			
1	t Safety Data Sheet(s)				-	al Only) (只達	用於續購)	
	技術說明書副本	-	~	~	]	ARF that		
<u>⊒f</u> Io		ffice) Fax No. bbile) 傳真號碼		<b>(English)</b> (中文)		this application 上創自發講成。 Iteration(s) to- this application	he store/factory after the grant or the stelates. 最近一次編講至今沒有任何改建。 the store/factory after the grant or the relates; and permission from the Fire 最近一次編講後曾經作出改建。而消	elast renewal of the Services -
e	mpany, please provide the Bus No. 是供代辦公司的商業登記證號碼	iness Business Reg Certificate N 商業登記證 (如有)	o. (if any)			pranted. 准。 ted via the foll 述文件予以批	lowing instruments (please quote FSD ) ;在(請提供消防處檔案編號)	file reference)
	dual, please provide his / her HKID 是供代辦人的身份證號碼	Card HKID Card No applicable) 身份證號碼				不總用書		
						,	xx	1.3.2022
				Signature o	of Applicant B	自講人簽署	Company Chop 公司印鑑	Date ⊟ XH
-				請將填妥的申 By post / in pe 4/F, Fire Servic 新界英浦興盛	i請表及證明 erson 鄭考 / es Departme 語 86 號 消 quiries about 由請事宜。	pleted applicatio 文件以下列方3 / 親身遁交 nt Kiwai Chung C 防處莫漸辦公; (licence applicat 可透過以下述得	polication Submassion 행오락플方式 n form and supporting documents by i 대접 오 : Office Building, 86 Hing Shing Road, Kia 大傳 4 字種 充裕금값 Enquiries 靈淵 Enquiries 靈淵 Enquiries 플레 Engli 카름의 : : Edged@hkhid.gov.hk	ai Chung, New Territories
]				Services.			will be used for the loop payoos of handing of in accordance with reactions 12 and reis ion of information may result in refusal to the ion of information may result in refusal to the TOT 保健性權(但人我们(凡用)的一個 可能是不可能的。因此,我们在我们(用 在我们的一個	

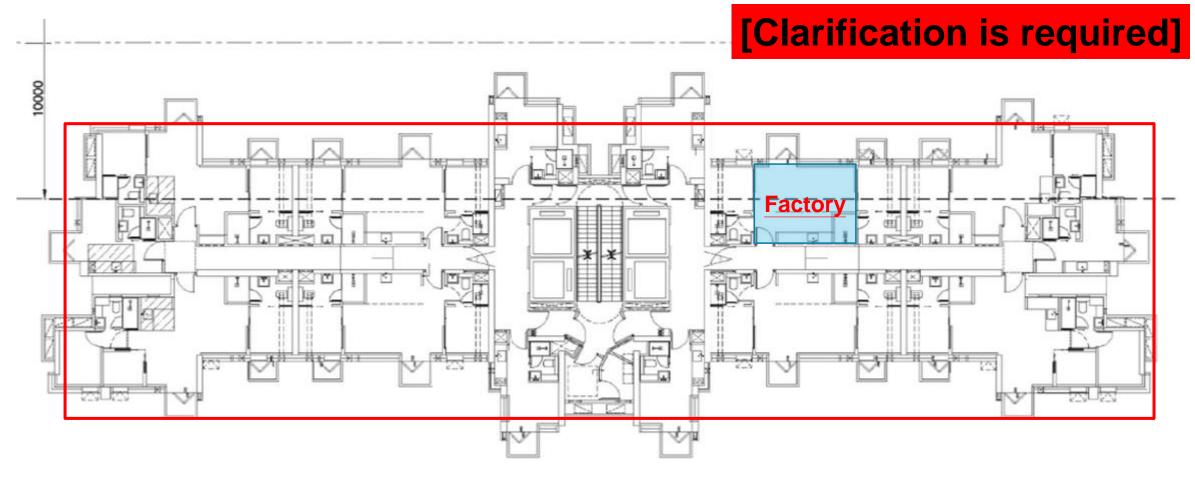
### Application form - Section A to D



	ation(s) at					目於種類二			4	
	ich the S2DG	*Please				n is inexplicable				
	y be used (if					請提交圖則說		/	l l	
	plicable)	Workshop No. 5, G/F, B 新界荃灣 ABC路ABC工業	ock 3	8, ABC In	dustrial	Building, AB	C Road, Tsuen Wan, N	.T/		Use Area
	關附表 2 危險 的使用地點	新养全層 ADC 始ADC 工具		1.20E/12/1	>3%⊥1	Fill				
	適用)	**如未能用文字表達,可	183	<u> </u>	•					
	pose of using			For Ty	/pe 2 適月	月於種類二				
	S2DG		-			24 C 100 2 FO		/		
使	用附表 2 危險	供予發電機使用							ſ	
品	的目的									Purpose of using DG
Par	rt 5: Particulars	of S2DG (please attach supp	lemer	ntary shee	at(s) if so	ace provided i	s insufficient)			
		2 危險品的資料 (如空位)					sinsemercy			
	1							N 8	۲	
Items No.	UN No./HK No 藤台國編録 香花編號	Proper Shipping Name+ 正式運輸名標+ (Please provide description of relevant dingenous goods on existing licence) (語提供現有建築上相關危險 (語的勾握)	Classification	Subsidiary Hazard (If a my - 炅頃)	Packing Group (If any 夏润	Compatibility Group (CG)	Maximum Quantity# for	Storage in Tank 以貯槽貯存		
	頭 編 :	日本 日本 日本 日本 日本 日本 日本 日本 日本 日本 日本 日本 日本 日	catio	碧 🖣	如富品	and	Storage and Use in	開始		
項目編號	* *	有限的最大的			, ph	Compatibility Rule (CR)^	Aggregate	17 ank		
編號			類別		包装額別	相容組別和	總共貯存和使用的最多			
~		相 1000000000000000000000000000000000000		灭妻	罰	相容規則^	分量# *Delete as appropriate ■			
		危当实		- - - - - - - - - - - - - - - - - - -		(if any 如有)	*Delete as appropriate 順 除不適用者			
		594.		19			101-1-342/01W			
1	H301	DIESEL OIL (Diesel)	ЗA	N.A.	ш	N.A.	3000 L/4g*			
2							L/kg*		4	
З							L/kg*			
4							L/kg*		ſ	
5							L/kg*	Ľ		Particulars of DG
6	5 20 6	· 可掃瞄此QR Code	搜刺	更多	危險品	類別及其	他資料 1/16*			
7	- 19 B						L/kg*			
8							L/kg*			
9							L/kg*			
10							L/kg*			

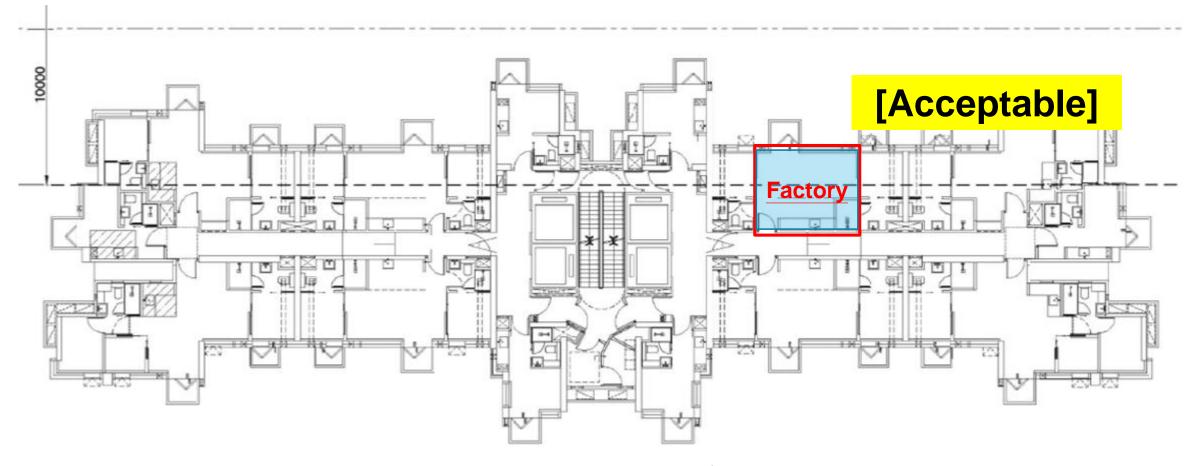


## Sample 1 – Proposed Use Area

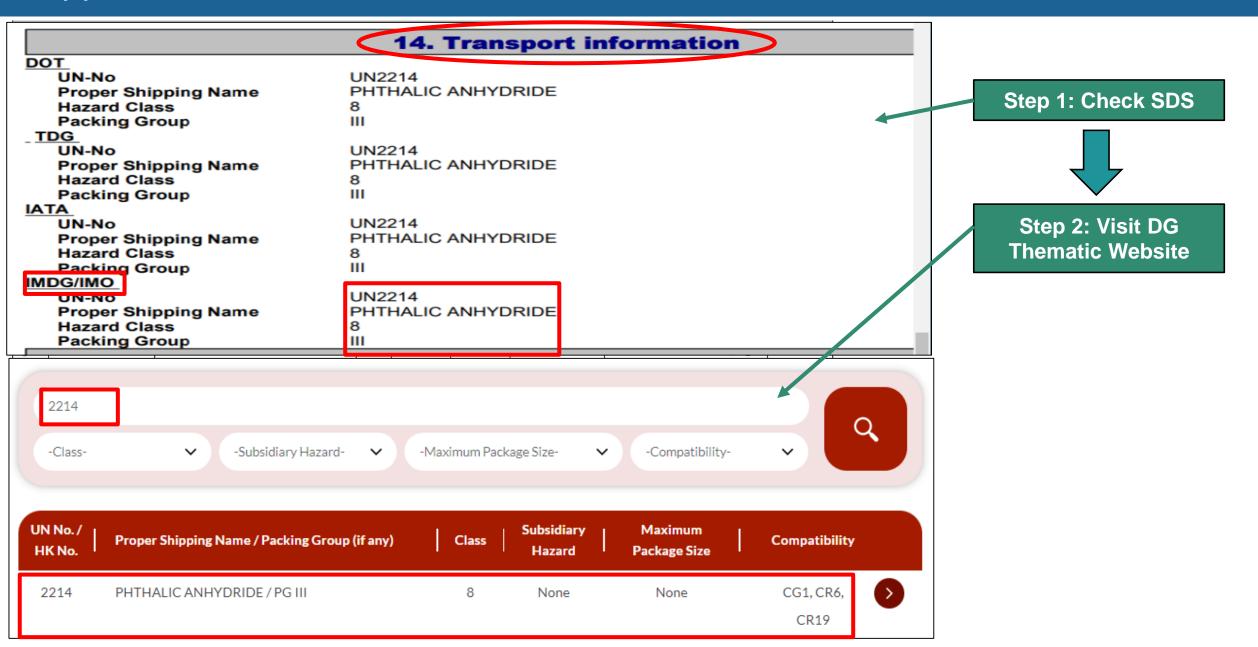


新界荃灣ABC路ABC工業大廈 3座10樓

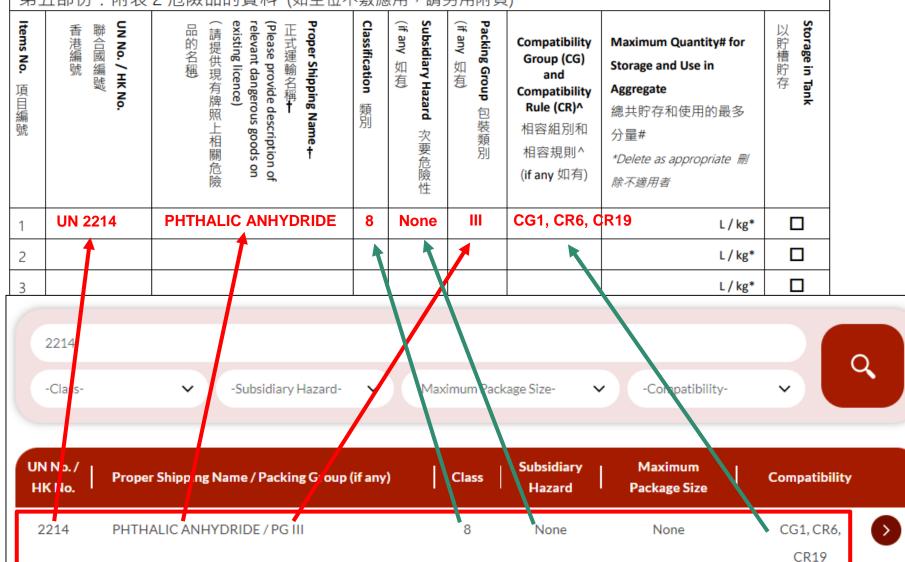
## Sample 2 – Proposed Use Area

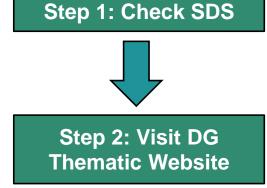


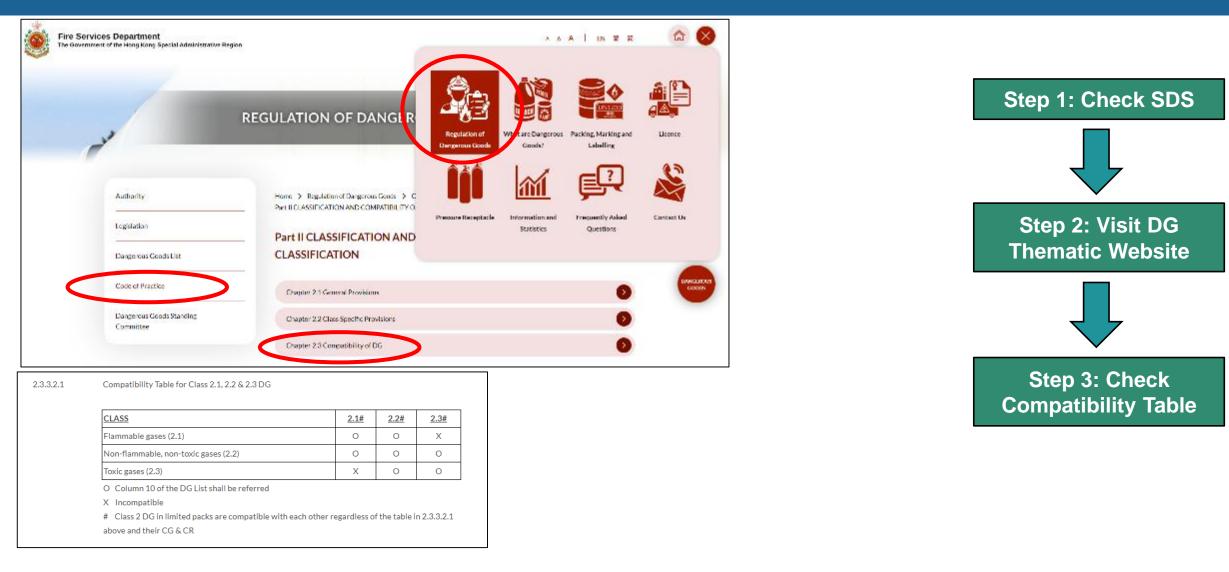
新界荃灣ABC路ABC工業大廈 3座10樓



Part 5: Particulars of S2DG (please attach supplementary sheet(s) if space provided is insufficient) 第五部份: 附表 2 危險品的資料 (如空位不敷應用,請另用附頁)









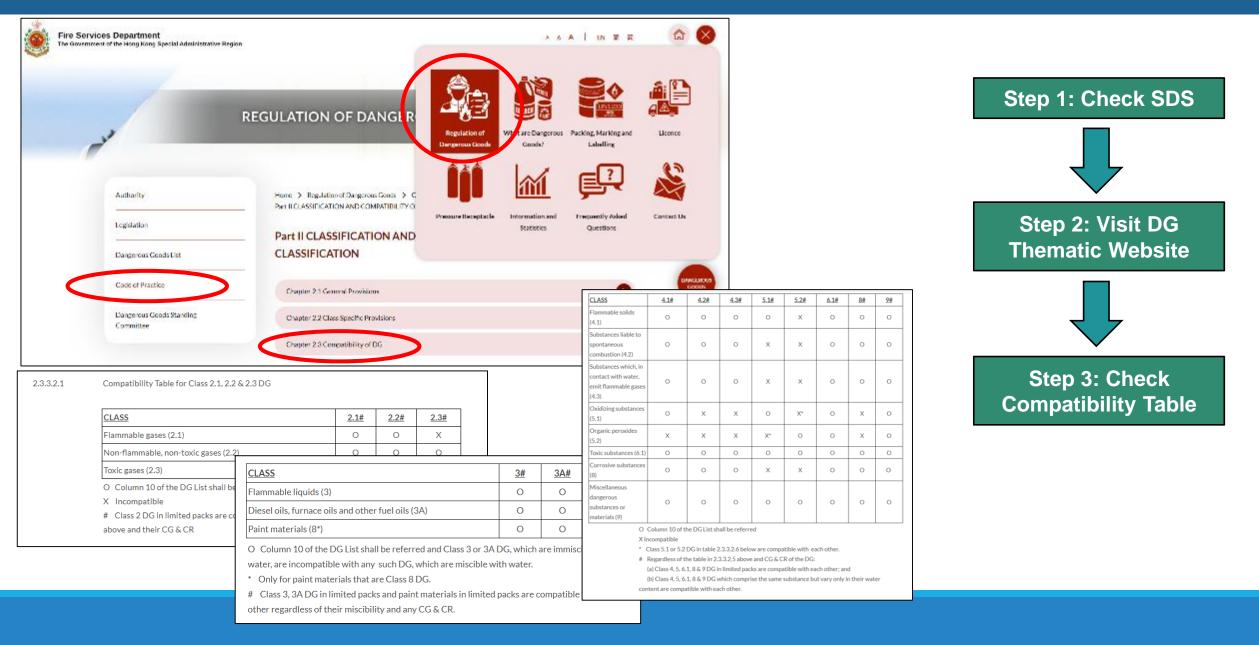
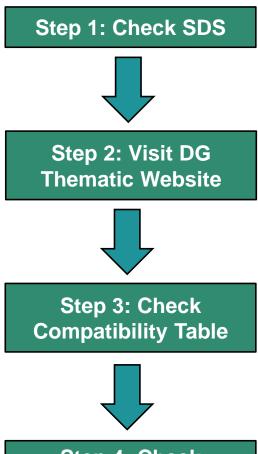


Table - List of Compatibility Groups				
Compatibility Group	Description			
CG1	Acids			
CG1a	Strong acids			
CG2	Ammonium compounds			
CG3	Bromates			
CG4	Chlorates			
CG5	Chlorites			
CG6	Cyanides			
CG7 Heavy metals and their salts				
	(including their organometallic compounds)			
CG8	Hypochlorites			
CG9	Lead and its compounds			
CG10	Liquid halogenated hydrocarbons			
CG11	Mercury and mercury compounds			
CG12	Nitrites and their mixtures			
CG13	Perchlorates			
CG14	Permanganates			
CG15	Powdered metals			
CG16	Peroxides			
CG17	Azides			
CG18	Alkalis			
CG19	Oxidizing gases (non-flammable & non-toxic)			

Tab	le - List of Compatibility Rules
Compatibility Rule	Description
CR1	For arsenic sulphides, incompatible with CG1 - acids
	or CG1a – strong acids
CR2	Incompatible with CG1a - strong acids
CR3	Incompatible with Class 5.1 DG
CR4	Incompatible with Class 4.1 DG
CR5	Incompatible with CG1 - acids or CG1a - strong
	acids
CR6	Incompatible with CG18 – alkalis
CR7	Incompatible with CG19 – oxidizing gases
CR8	Incompatible with CG15 - powdered metals
CR9	Incompatible with ammonia



Step 4: Check Compatibility Group & Compatibility Rule

Sect	tion E 戊部			
	t 6: Supporting documents			
	六部份:證明文件 following documents are submitted herewith for app	lication 就此中绩本	附下和立件	
Ine	following documents are submitted herewith for app	Renewal Application under Cap. 295B/	Licence / under (	Application Cap. 295G G 章申請牌照
		Cap. 295G 根據第 295B /295G 章 申請續牌	New Applicant 新申請人	Cap. 295B Licensee 第 295B 章 牌照持有人
*	a copy of the applicant's identity proof - HKID card / Business Registration Certificate 一份申請人的身份證明文件副本 — 香港身份 證 / 商業登記證	~	~	*
*	a copy of the agent's identity proof - HKID card / Business Registration Certificate (applicable to applications submitted by agent) 一份代理人的身份證明文件副本 — 香港身份 證 / 商業登記證 (適用於由代理人辦理的申請) *Please fill in Section F *請填寫己部	~	~	~
*	an authorisation letter from the applicant (applicable to applications submitted by agent) 申請人授權書 (適用於由代理人辦理的申請) *Please fill in Section F *請填寫己部	~	~	*
÷	a copy of a Periodic Test Certificate (Form WR2) 一份定期測試證明書(表格 WR2)副本	~	-	~
*	a copy of a Certificate of Fire Service Installations and Equipment (FS 251) 一份消防裝置及設備證書(FS 251)副本	~	-	*
*	a copy of annual inspection report for test and inspection performed, in respect of tanks or pipelines used for storage of gases, by persons approved by the Fire Services Department 一份消防處認可的人士檢測貯槽 / 氣體管道裝 置周年檢驗報告副本	~	-	~
*	a written explanatory statement supplemented with diagram(s), if applicable, demonstrating the way of manufacture of the S2DG 一份有關附表 2 危險品的製造方法陳述書及圖 解副本(如適用)	-	✓ Manufacture Licence 製造牌照	✔ Manufactur Licence 製造牌照

*	a layout plan in A4 size showing location(s) at which the S2DG may be used 一份以 A4 頁面顯示有關附表 2 危險品使用地 點的平面圖 *Please refer to Application Guide for details *詳情請參閱申請指南 #Please submit plan if the location is inexplicable as an address #如無法以地址說明,須提交圖則說明	-	✓ Store and Use Licence 貯存暨使用 牌照	✔ Store and Use Licence 貯存暨使用 牌照
*	2 sets of drawings showing the hazardous area 兩套顯示危險區的圖則 *Please refer to Application Guide for details •詳情請參閱申請指南	-	*	*
*	2 sets of the following drawings regarding the proposed factory/store, including but not limited to- a) Block plan b) Floor plan c) Section plan d) Elevation plan m套有關工廠/貯存所的圖則 · 包括但不限於— a) 樓宇平面圖 b) 樓層平面圖 c) 側面圖 d) 立視圖 *Please refer to Application Guide for details *詳情請參閱申請指南 #Submission of plan is required if there is any alteration to the factory/store #如持牌人對工廠/貯存所作出任何更改 · 須提交相 關圖則	√π	*	√#
\$	a copy of relevant Safety Data Sheet(s) 一份化學品安全技術說明書副本	-	~	~

#### <u>Scenario 1</u>

**New Application** 



Application form

<u>新界荃灣 ABC 路 ABC 工業大廈 3 座地下</u>。

Hazardous Area plans



Safety Data Sheet

-BRC / HKID -BRC of the agent -Authorization letter for agent

Plans of DG Store

Other documents Plans

Plans of DG Store

<u>Use area plan</u> (if necessary)

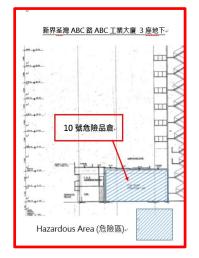
新界荃灣ABC路ABC工業大廈 3座10樓

#### <u>Scenario 2</u>

Application in Progress



**Application form** 



Hazardous Area plans



Safety Data Sheet

-BRC / HKID -BRC of the agent -Authorization letter for agent

**Other documents** 



Use area plan (if necessary)

#### <u>Scenario 3</u>

Licensee of Cap. 295B Application for Cap. 295G Licence



Application form

<u>新界茎灣 ABC 路 ABC 工業大度 3 座地下</u>・



-BRC / HKID -BRC of the agent -Authorization letter for agent

-WR2 -FS251 -Pipe cert. (if required)



Hazardous Area plans Safety Da

Safety Data Sheet Otl

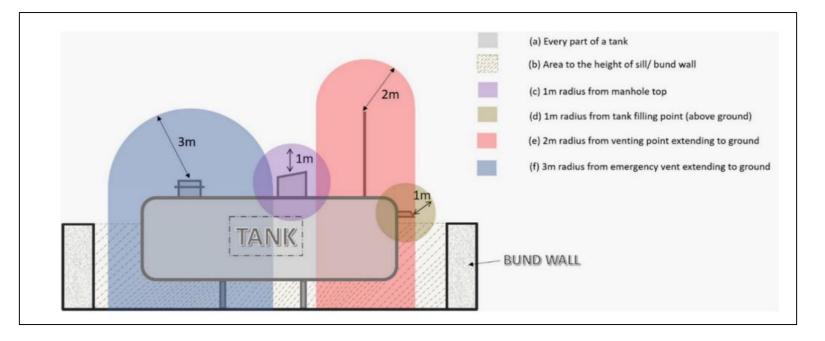
Other documents

**Renewal Documents** 

Use area plan (if necessary)

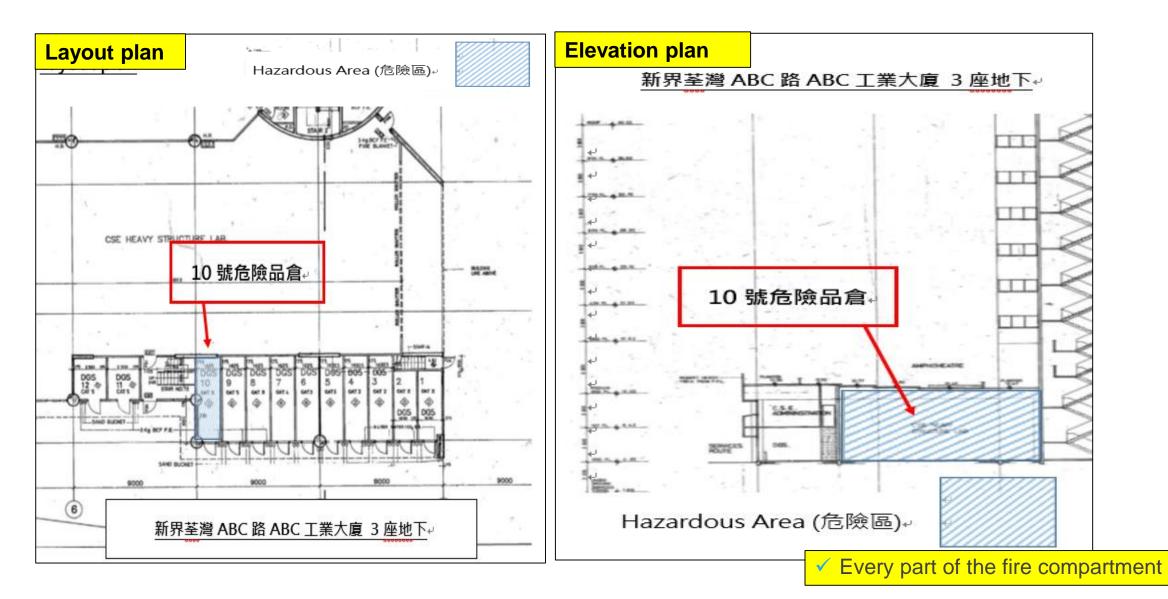
### **Application form - Hazardous Area Plans**



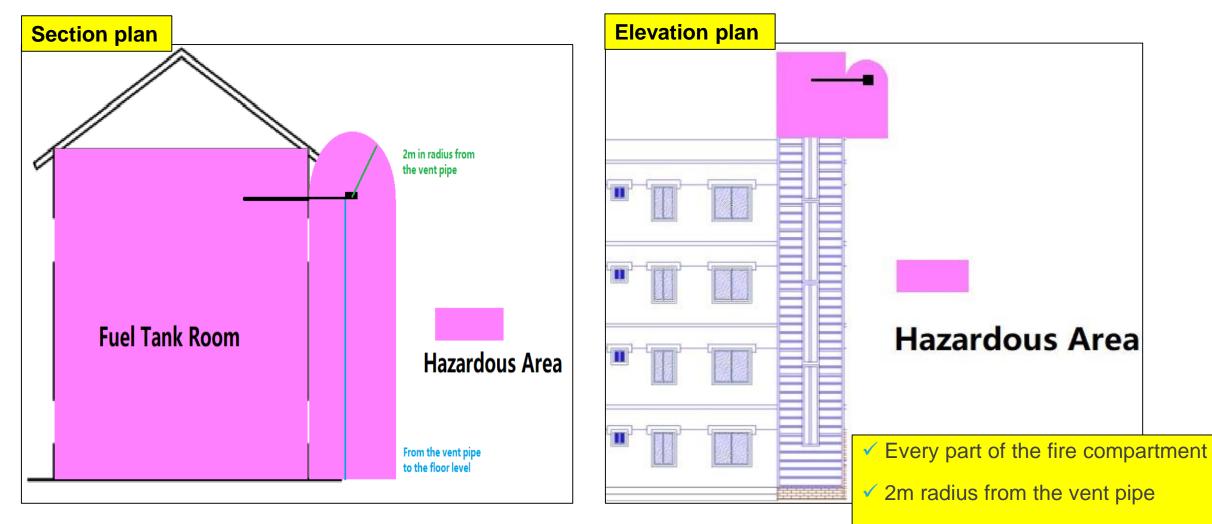


- 2 sets of plan including layout plan and elevation plan indicating hazardous area.
- Electrical apparatus installed within hazardous area should meet the standard as specified in the FSRs.

# Sample 1 – DG Store



# Sample 2 – Fuel Tank Room

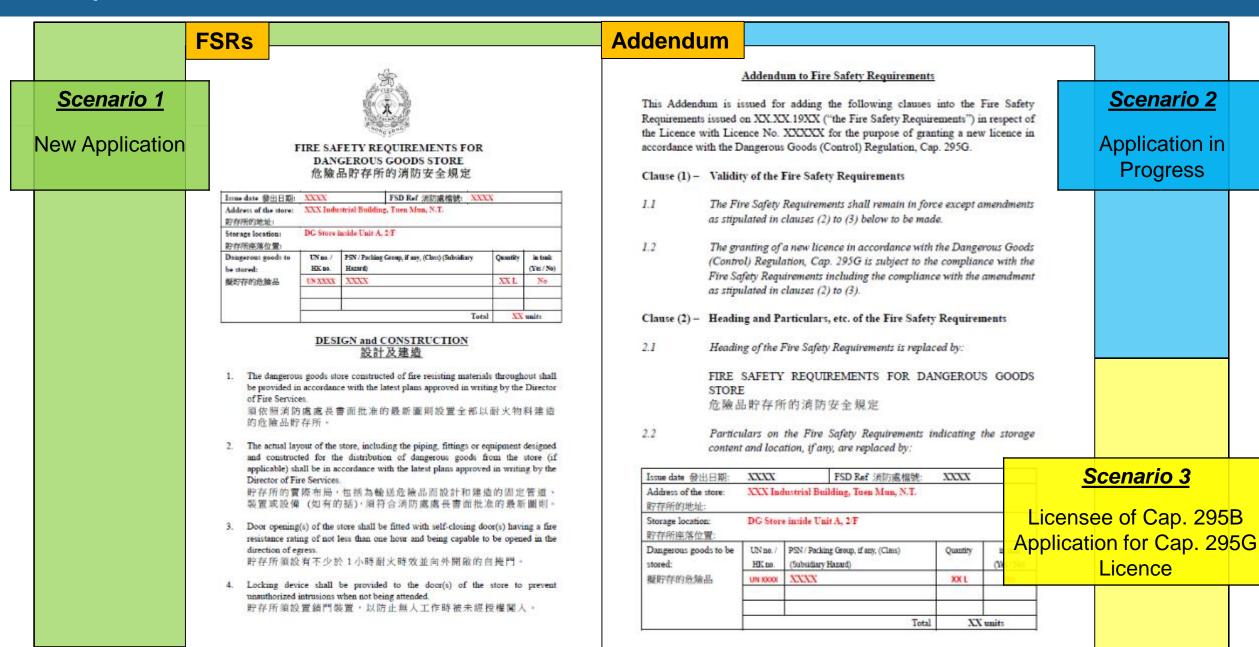


From the vent pipe to the floor level

### Application form - Section F and G

	<ul> <li>◆ a layout plan in A4 size showing location(s) at which the S2DG may be used 一份以 A4 頁面顯示有關附表 2 危險品使用地 點的平面圖         *Please refer to Application Guide for details         *詳情請參閱申請指南         #Please submit plan if the location is inexplicable as an address         #如無法以地址說明,須提交圖則說明     </li> <li>◆ 2 sets of drawings showing the hazardous area 兩實顯示危險區的圖則         *Please refer to Application Guide for details     </li> </ul>	✓ Store and Us Licence 貯存暨使用 牌照	✔ Store and Use Licence 貯存暨使用 牌照	Section G 庚部 (For Renewal Only) (只適用於纖牌)         Part 8: Declaration         第八部份: 聲明         I / We / My company* DECLARE that         我/-我們-/ 我公司* 謹比聲明         (a)* there is / are NO alteration(s) to the store/factory after the grant or the last renewal of the licence(s) to which this application relates.         本危險品貯存所/T廠自發牌或最近一次續牌至今沒有任何改建。         (b)* there was / were alteration(s) to the store/factory after the grant or the last renewal of the licence(s) to which this application relates, and permission from the Fire Services-Department has-
Information of Agent (if needed)	<ul> <li>*詳情請參閱申請指南</li> <li>◆ 2 sets of the following drawings regarding the proposed factory/store, including but not limited to-         <ul> <li>a) Block plan</li> <li>b) Floor plan</li> <li>c) Section plan</li> <li>d) Elevation plan</li> <li>maga family my fami</li></ul></li></ul>	√2 √	√#	- copartient rest         本危險品貯存所/工廠自發牌或最近一次續牌後曾經作出改建,而消防處         (i)* not been granted. 未留予批准。         (i)* been granted via the following instruments (please quote FSD file reference)         日發出下述文件予以批准 (請提供消防處檔案編號)         * Delete as appropriate 删除不编用者         (Name 姓名:         Signature of Applicant 申請人簽署         KX         Company Chop         公司印鑑         Date         日期
		Certificate No. (if any) 商業登記證號碼 (如有)	✓ (English) (中文)	Weaks of Application form and supporting documents by any of the following methods:         開始填妥的申請表及證明文件以下列方式遞交:         By post / in person 郵寄 / 競身遞交         4/f, Fire Services Department Kwai Chung Office Building, 86 Hing Shing Road, Kwai Chung, New Territories         新界裝満興盛路 86 號 消防處裝満辦公大樓 4 字樓 危險品課         Enquiries 查詢         For further enquiries about licence application, please contact us by the following means:         如欲查詢牌照申請事會,可透過以下途徑與我們聯絡:         Tel No. 電話: 2417 5757         Email 電郵:         Tel No.<電話:         Data (Prixey) Ordinance (Cap. 486). Any falsification of information may result in refusal to the application. You have a right to request access to and correction of the personal data in accordance with sections 13 and 22 and Principle 6 of Schedule 1 of the Personal Data (Prixey) Ordinance (Cap. 486). Any falsification of information may result in refusal to the application by the Director of Fire Services.         所提供的個人資料網只會用作處理本申講之用 · 你有欄根據 (個人資料( 私種) 除街) ( 第 486 案) 第 18 條 · 第 22 條及附表         1第 6 原則的規定:       查閱及改正個人資料 · 任何虛假資料可導致測防處處長拒絕有關申請 ·

### Step 2 - Issuance of FSRs and Addendum



Progress

### Step 2 - Issuance of FSRs and Addendum

### <u>OPERATION, HOUSEKEEPING, MANAGEMENT, SECURITY,</u> <u>STAFF TRAINING and EMERGENCY PREPAREDNESS</u> 運作、整理、管理、保安、員工培訓及緊急情況的應變準備等

23. The licensee shall confirm in writing the receipt of the approved plans and the set of fire safety requirements issued by the Director of Fire Services for every application for new construction or alteration. (this requirement is only applicable to application(s) submitted by agents.)

持牌人須書面確認已收到由消防處處長就每宗新建或改建申請而 發出的批准圖則及/或消防安全規定。(此規定只適用於經代理人的 申請。)

24. An operation manual containing procedures in respect of the operation, housekeeping, management, security, emergency preparedness of the licensed store shall be provided for training and guidance to all operators of the store. The manual shall be stowed in a suitable place readily available for inspection upon demand, and the procedures contained in the manual shall <u>at least</u> include the following scopes:

持牌人須提供一份操作手冊,說明有關該持牌貯存所的運作、整理、管理、保安、緊急情況的應變準備等事宜的程序,用以訓練所有操作人員,並給予他們指引。持牌人須將手冊存放在一個遭 索閱時可供隨時檢查的適當位置,而該等程序須**長少**涵蓋以下範 圍:

24.1 The operators shall only store in the licensed store, dangerous goods of the types and of the quantity not exceeding those specified in the licence. Storage of dangerous goods which are specified as incompatible in the code of practice is prohibited.

操作人員只准在持牌貯存所貯存與牌照指明的種類相同及 不超過指明數量的危險品,並且不得貯存工作守則指明為互 不相容的危險品。

24.2 The operators shall ensure that the dangerous goods are only used in the location(s) specified in the licence, and returned to the store when they are not in use. 操作人員須確保倉貯危險品於牌照指明的地點使用,並於不使用時送回貯存所貯存。

### **Operation Manual**

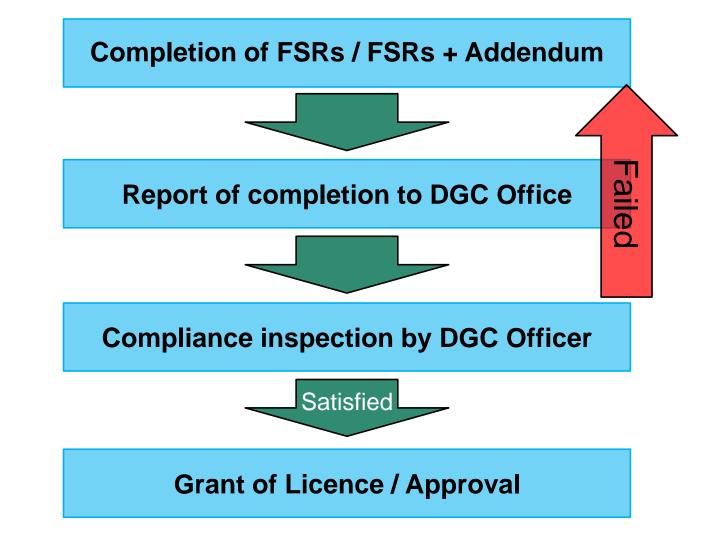
- ✓ At least include the scopes in FSRs
- Stowed in a suitable place readily available to all operators

### Step 2 - Issuance of FSRs and Addendum





### Step 3 - Report of completion



	<u>Scenario 1</u>	<u>Scenario 2</u>	<u>Scenario 3</u>			
	New Application	Application in Progress	Licensee of Cap. 295B Application for Cap. 295G Licence			
<u>Step 1</u> Submission	-Application form -2 sets of Hazardous area plan -Safety data sheet -Other documents -2 sets of drawing of DG Store	-Application form -2 sets of Hazardous area plan -Safety data sheet -Other documents	<ul> <li>-Application form</li> <li>-2 sets of Hazardous area plan</li> <li>-Safety data sheet</li> <li>-Other documents</li> </ul>			
<u>Step 2</u> Issue of FSRs / Addendum	-FSRs issued -Stamped drawings of DG Store -Stamped hazardous area plan	-Addendum issued -Stamped hazardous area plan	-Addendum issued -Stamped hazardous area plan			
<u>Step 3</u> Report of completion	-Completion of FSRs -Report of completion	-Completion of FSRs + Addendum -Report of completion	-Completion of FSRs + Addendum -Report of completion			
	Issuance of Licence / Approval under Cap. 295G					



消防處 Fire Services Department

# **Thank You!**















消防處 Fire Services Department

# How to Apply for Conveyance Licence

Senior Station Officer YEUNG Ka-wai, Kevin Dangerous Goods Enforcement Division Licensing and Certification Command Fire Services Department

# **Table of Contents**

- **Introduction**
- New Application under Cap. 295G
- New Fire Safety Requirements under Cap. 295G
- Renewal under Cap. 295B and Cap. 295G
- Online Booking System

# **Conveyance Licence**

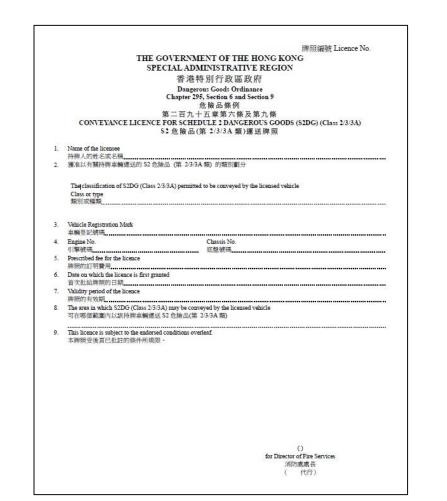
- The amended Dangerous Goods Ordinance and its subsidiary legislation has come into effect on 31 March 2022
- Conveyance Licence is required for conveying Class
   2/3/3A DG on land except under the exempt quantity
- Fire Safety Requirements



# **Conveyance Licence**

0

### Format of Licence and Identification Disc







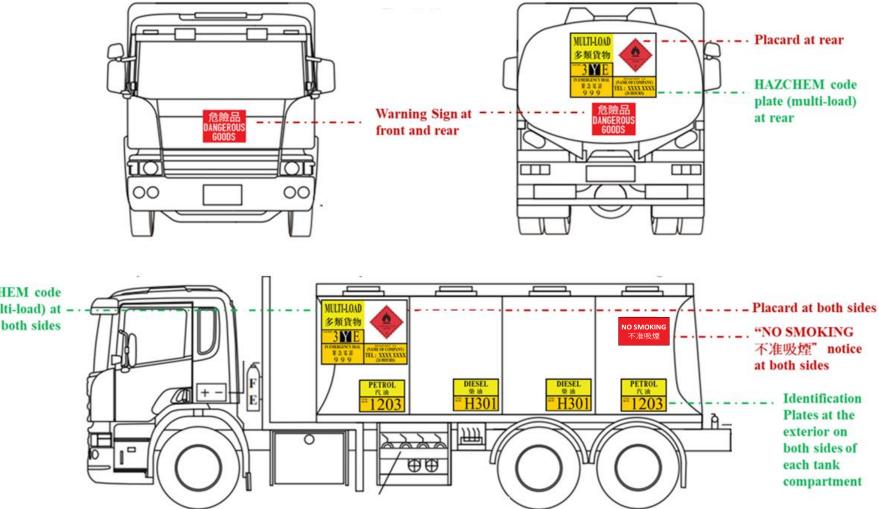
# 4 Major Differences

- Classification
  - Category 2  $\rightarrow$  Class 2
  - Category 5  $\rightarrow$  Class 3/3A
- Terminology



- Tank Wagon 油缸車 → Tank Vehicle 貯槽車輛
- Tank Wagon 拖缸車 → Trailer with tank 貯槽拖車
- Panel Van 密封式小型貨車 → Pantechnicon 廂式貨車
- Signs (Warning Sign, Placard, Plate and Notice)
- Provision of Operation Manual

Descrip	Location for Display			
Warning Sign (警告標誌)	危險品 DANGEROUS GOODS	Front and Rear of the vehicle		
Placard (標示牌)	FLAMMAGE LOUID Birder 3	Both sides and Rear of the vehicle		
HAZCHEM Code Plate (代號牌) (single-load) (e.g. UN 1203 Petrol)	PETROL 洗 油 <sup>10000</sup> 3 <u>X E</u> NEEMBGERCY DIAL 素 金 蓝 蓝 9 9 9 9			
HAZCHEM Code Plate (代號牌) (multi-load)	MULTI-LOAD 多類貨物 <sup>100000</sup> 3 X E <sup>NENERGENCY DAL 素電蓋 9 9 9 9</sup>	Both sides and Rear of the vehicle		
Identification Plate (識別牌)	→ <u>快油</u> ■ H301 PETROL 汽油 1203	Both sides of each tank compartment of the vehicle		
"NO SMOKING 不准吸煙" Notices (告示牌)	NO SMOKING 不准吸煙	<ul><li>(i) Both sides of the vehicle; and</li><li>(ii) A portable notice</li></ul>		
Other Notices (其他告示牌)	KEEP CLOSED CLOSED 保持緊閉KEEP CLOSED AND LOCKED 保持緊閉及上鎖CONNECT TO RECEIVING EQUIPMENT 與接收裝備連接	as specified in the FSRs		



**HAZCHEM** code plate (multi-load) at both sides









0

"Keep Closed and Locked" Notice for every Fuel Tank Lid 油蓋"保持緊閉及上鎖"告示





C

"Keep Closed" Notice for filling pipes and discharging pipes 放油管及入油管"保持緊閉"告示

 "Keep Closed and Locked" Notice for built-in type shut-off valves
 內置式快速關斷閥"保持緊閉及上鎖"告示





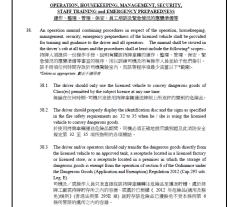




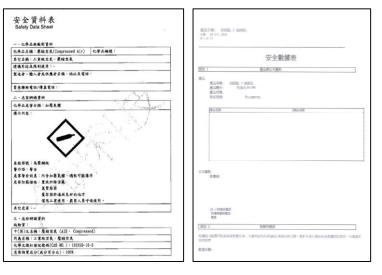


# **Provision of Operation Manual**

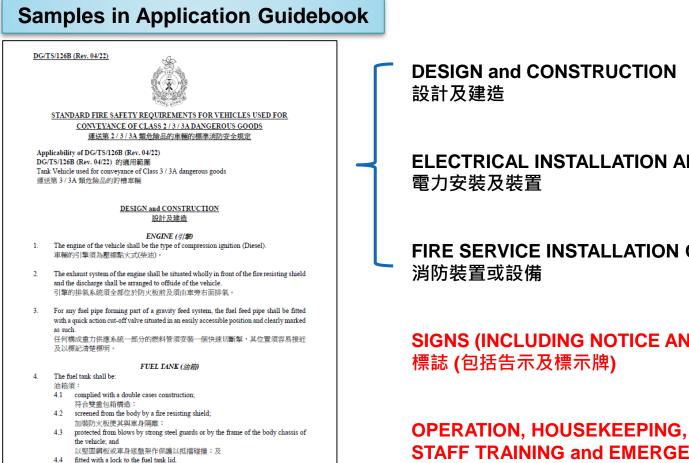
- Available and readily accessible to the driver(s)/operator(s)
- Driver(s)/operator(s) shall be conversant with
- Mandatory issue(s) mentioned in the Fire Safety Requirements issued
- Safety Data Sheet (SDS) should be included



於使用該持牌車輛運送危險品期間或進行上貸/ 卸貨、人油/ 卸油或人氣/ 卸氯程序期間。可機及/ 或操作人員不得吸煙、攜帶已點燃的香煙、雪茄或 煙斗, 或攜帶無遮蓋火焰。



# Fire Safety Requirements (Cap. 295G VS Cap. 295B)



在入油箱蓋處加鎖。

ELECTRICAL INSTALLATION AND FITTINGS

FIRE SERVICE INSTALLATION OR EQUIPMENT

SIGNS (INCLUDING NOTICE AND PLACARD)

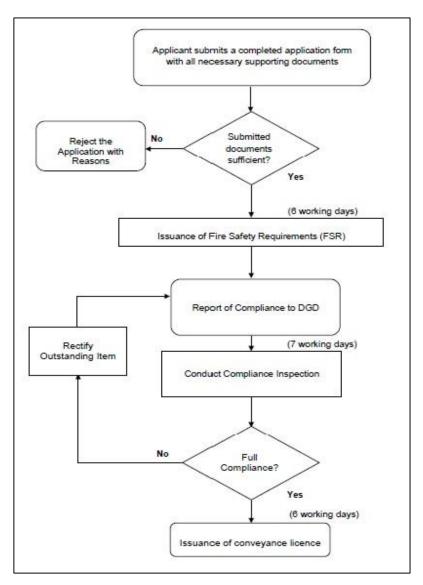
**OPERATION, HOUSEKEEPING, MANAGEMENT, SECURITY,** STAFF TRAINING and EMERGENCY PREPAREDNESS 運作、整理、管理、保安、員工培訓及緊急情況的應變準備等

## **Application for Conveyance Licence**

New Application (Cap. 295G)

0

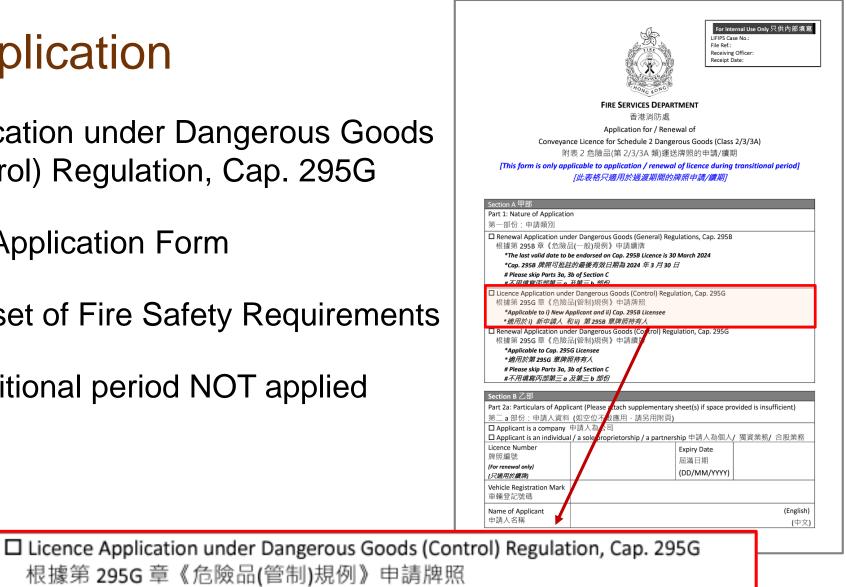
 Renewal of Licence (Cap. 295B or Cap. 295G)





### **New Application**

- Application under Dangerous Goods (Control) Regulation, Cap. 295G
- New Application Form
- New set of Fire Safety Requirements
- Transitional period NOT applied



\*Applicable to i) New Applicant and ii) Cap. 295B Licensee

\*適用於i) 新申請人 和ii) 第295B 章牌照持有人

## **Renewal of Licence**

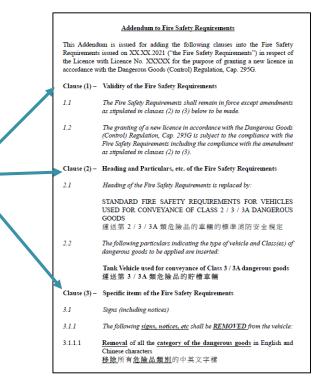
- New Application Form
- Renewal Notification from FSD
- Two-year Transitional Period
  - Option 1: 295B → 295B
  - Option 2: 295B → 295G
- FSR (issued when the licence was first granted) remain in force and valid
- Addendum to FSR
- Compliance Inspection

		For Internal Use Only 只供內部填寬 LIFIPS Case No.: File Ref.: Receipt Officer: Receipt Date:
	FIRE SERVICES DEPARTM	ENT
	香港消防處	
	Application for / Renewal	of
Conveyance	Licence for Schedule 2 Dangerou	s Goods (Class 2/3/3A)
附表	2 危險品(第 2/3/3A 類)運送牌	照的申請/續期
[This form is only applied	able to application / renewal of	licence during transitional period]
[#	比表格只適用於過渡期間的牌照	图申請/續期]
Section A 甲部		
Part 1: Nature of Application		
第一部份:申請類別		
# Please skip Parts 3a, 3b o #不用填寫丙部第三 a 及算	售三b 部份	
<ul> <li>Licence Application under D 根據第 295G 章《危險品(管</li> </ul>	angerous Goods (Control) Regulatio <sup>会</sup> 制)相例》由請牌昭	on, Cap. 295G
	cant and ii) Cap. 295B Licensee	
*適用於i) 新申請人 和ii)		
Renewal Application under 根據第 295G 章《危險品(管	Dangerous Goods (Control) Regulati	on, Cap. 295G
他族弟 2956 早 《 / 回厥 m ( T *Applicable to Cap. 295G Li		
*適用於第295G 章牌照持		
# Please skip Parts 3a, 3b o		
#不用填寫丙部第三 a 及象	5二 b 部份	
Section B 乙部		
		et(s) if space provided is insufficient)
	ロ空位不敷應用・請另用附頁)	
Applicant is a company		申請人為個人/ 獨資業務/ 合股業務
Licence Number		中胡八菊间八/ 殉貝未伤/ 口版未伤 piry Date
牌照編號		滿日期
(For renewal only)		D/MM/YYYY)
(只適用於纖牌)		
Vehicle Registration Mark 車輛登記號碼		
Name of Applicant		(English)
申請人名稱		

### What is the Addendum?

Additional clauses added on the previous issued FSR

- **Clause 1**: Confirm the validity of the FSR
- Clause 2: Heading and Particulars Terminology & Classification
- **Clause 3**: Specific Items of the FSR Signs & Operation Manual



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### DG Thematic Website www.hkfsd.gov.hk/dg



### DG Thematic Website www.hkfsd.gov.hk/dg



DG Thematic Website www.hkfsd.gov.hk/dg

- AN	牌照	
申請危險品牌照及批准指南	主頁 > 牌照 > 申請表	
設有持牌危險品倉庫的工業大廈	申請表	
失效的危險品車輛		危險品
申請表	申請/續期危險品牌照 (運送牌照)	
	危險品車輛驗車預約申請	0

DG Thematic Website www.hkfsd.gov.hk/dg

😞 檢驗危	<b>达險物品車輛預約</b>	
第一步 選擇申請類別	第一步 選擇申請類別	
<b>第二步</b> 輸入案件資料	請選擇申請類別	
<b>第三步</b> 輸入預約日期	申請類別	
<b>第四步</b> 確認通知書	<ul> <li>新申請危險品車輛牌照 / 根據經修訂的《危險品條例》首次續領危險品車輛牌照</li> <li>其他續領危險品車輛牌照</li> <li>更改預約日期</li> </ul>	
技術支援		
電郵至 hkfsdenq @hkfsd.gov.hk		繼續
		<b>第一步</b> / 共四步

🗼 檢驗危	險物品車輛預約	
<b>第一</b> 步 選擇申請類別	第二步 輸入案件資料	
第二步 輸入案件資料	請輸入新申請危險物品車輛預約檢驗資料。	
<b>第三步</b> 輸入預約日期	新申請檢驗預約資料	
<b>第四步</b> 確認通知書	LIFIPS編號:*	
技術支援 電郵至 hkfsdenq @hkfsd.gov.hk	本處檔號("/"之後三至五位數字):* 請輸入圖片上的文字與數字: What is BotDetect Java CAPICHA Library?	
		繼續
		<b>第三步 /</b> 共四步

🗼 檢驗危	險物品車輛預約								
<b>第一步</b> 選擇申請類別	第三步 輸入預約日期								
第二步 輸入案件資料	請輸入新申請危險物品車輛預約檢驗資料。								
第三步 輸入預約日期	新申請檢驗預約資料								
<b>第四步</b> 確認通知書	LIFIPS編號: 車牌號碼: <b>*</b>								
技術支援 電郵至 hkfsdenq @hkfsd.gov.hk	本處檔號("/"之後三至五位數字):* 水容量測試 電郵地址:* 申請人/代理人聯絡:* □ 再檢驗	水容量測試     否       電郵地址:*							
	預約檢驗日期:* 上一次檢驗日期:			Ju	ne 202	22		O	
	請輸入圖片上的文字與數字:	Su	Мо	Tu	We		Fr	Sa	<b>B</b> ( <b>B</b> )
					1	2	3	4	
		5	6	7	8	9	10	11	
		12		14	15	16	17	18	
		19	20	21	22	23	24	25	
		26	27	28	29	30			繼續
									<b>第三步 /</b> 共四步

### 第295G章《危險品(管制)規例》第134條 禁止直接從持牌車輛轉注危險品

(1) 任何人不得直接將燃料從持牌車輛轉注入任何另一車輛或船隻的油箱。(2) 任何人不得直接從持牌車輛轉注危險品至另一持牌車輛上的貯槽。





消防處 Fire Services Department

# **Thank You!**









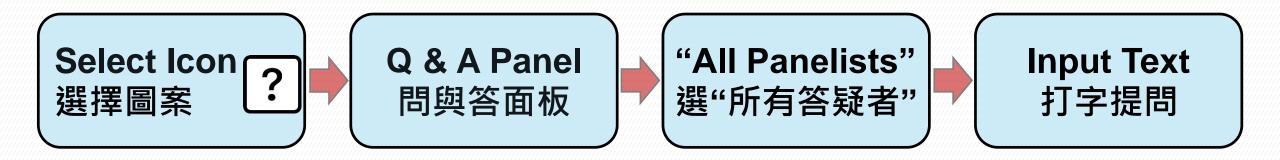






### 消防處 Fire Services Department

# **Q & A Session**



### More Information

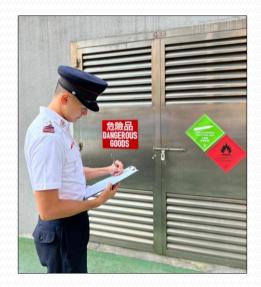
- General Enquiry:
  - hkfsd\_dg\_enq@hkfsd.gov.hk
- Code of Practice, "Application Guide", Pamphlets, Videos:
  - → DG Thematic Website (www.hkfsd.gov.hk/dg)





### **More Information**

- Manufacture, Storage and Use of DG
  - → Dangerous Goods Control Division (2417 5757)
- Conveyance of DG, Pressure Receptacles & Approved Persons
  - → Dangerous Goods Enforcement Division (3850 8487)







**Report Fire Hazards** 

✤ DG or IFA Complaints:

### → Fire Services Communication Centre

# 2723 8787 (24-hour)







消防處 Fire Services Department

# To be Continued in Next Sharing...











