# Significant Changes and Amendments of the 2023-2024 Edition of the

ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air ("TI")

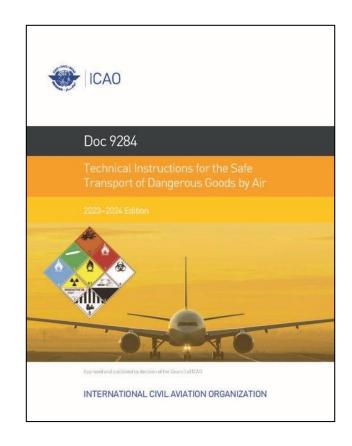




### Significant Changes and Amendments of the TI 2023-2024

#### Effective on 1 January 2023, unless otherwise stated

- 1. Revision to lithium battery provisions
- 2. Clarification on maximum net quantity per package
- 3. Classification of Divisions 4.1 and 5.2
- 4. Replacement of marks by operators
- 5. Implementation of competency-based approach to DG training and assessment (CBTA)





#### (i) Deletion of Section II of Packing Instructions (PI) 965 and 968

### UN 3480 Lithium ion batteries & UN 3090 Lithium metal batteries



Image credit: Dangerous Goods Advisory Council (DGAC)

#### Documentation

- ✓ Shipper's Declaration (DGD)
- ✓ DG Acceptance Checklist
- ✓ NOTOC

#### Training

✓ DG Regulations (Category 1, 3 & 6 personnel)

#### Marking & Labelling

- ✓ Lithium battery mark
- √ 'Cargo aircraft only' label
- Class 9 hazard label for lithium batteries



#### (ii) Addition of Stack Test in Section IB of PI965 and PI968

### UN 3480 Lithium ion batteries & UN 3090 Lithium metal batteries



Image credit: VistaCreate

"Each package must be capable of withstanding, without damage to the cells or batteries contained therein and without any reduction of effectiveness, a force applied to the top surface equivalent to the total weight of identical packages stacked to a height of 3 m (including the test sample) for a duration of 24 hours."



#### (iii) Packaging Requirements for PI967 and PI970

"Where multiple pieces of equipment are packed in the same outer packaging, each piece of equipment must be packed to prevent contact with other equipment."





UN 3481 Lithium ion batteries contained in equipment & UN 3091 Lithium metal batteries contained in equipment



#### (iv) Overpacks for Section II of Pl966, Pl967, Pl969 and Pl970

When packages are placed in an overpack:

a) the packages must be secured within the overpack;

b) the intended function of each package must not be impaired by the

overpack; ...



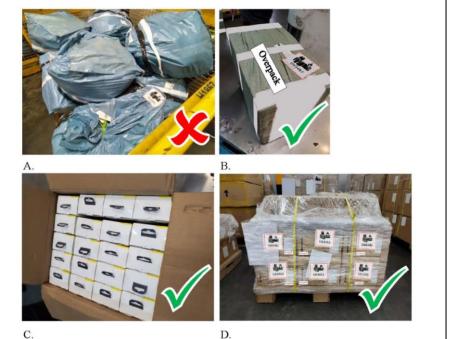
#### 香港特別行政區政府 民航處

Civil Aviation Department
The Government of the Hong Kong Special Administrative Region

#### Dangerous Goods Advisory Circular DGAC 2/2021

Recommendations to enhance packaging for cargo with lithium ion or metal batteries contained in equipment

This Department ("the CAD") noted that the packaging of certain air shipments declared to be lithium ion or metal batteries in compliance with Section II of PI967 or PI970 under the International Civil Aviation Organisation's Technical Instructions for the Safe Transport of Dangerous Goods by Air ("ICAO TIs") may not be able to provide adequate protection to the equipment contained therein (e.g. use of soft-padded envelopes), while it is difficult for cargo acceptance





#### (v) Lithium Battery Mark

Section IB of PI965 & 968 Section II of PI966, 967, 969 & 970

To align with UN Model Regulations:

→ Remove "Telephone number for additional information"

Note – The mark in the 2021-2022 Edition may continue to be applied until 31 December 2026.



Minimum dimension 100 mm

<sup>\*</sup> Place for UN number(s)

<sup>\*\*</sup> Place for telephone number for additional information



#### (vi) Extension of Special Provision A154 to Certain DGs

**UN 3480 Lithium ion batteries** 

UN 3481 Lithium ion batteries contained in or packed with equipment

**UN 3090 Lithium metal batteries** 

UN 3091 Lithium metal batteries contained in or packed with equipment

Damaged and defective batteries are forbidden for transport



These batteries may include, but are not limited to:

- cells or batteries being returned to the manufacturer for safety reasons;
- cells or batteries that have leaked or vented;
- cells or batteries that cannot be diagnosed prior to transport; or
- cells or batteries that have sustained physical or mechanical damage.



#### (vi) Extension of Special Provision A154 to Certain DGs (cont'd)

Apart from lithium ion/metal cells and batteries assigned to UN 3480, UN 3481, UN 3090 or UN 3091, **SP A154** is also assigned to the entries for:

- a) Engines and machinery (UN 3528, UN 3529 and UN 3530);
- **b) Vehicles** (UN 3166 and UN 3171); and
- c) Life-saving appliances (UN 2990 and UN 3072)

that can potentially be installed with lithium battery(ies)

Prohibition added to associated PI 220, 378, 950, 951, 952, 955 & 972

Damaged and defective batteries are forbidden for transport

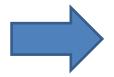




# 2. Clarification on maximum net quantity per package

Maximum net quantity per package for Cargo Aircraft Only:

No limit



400 kg

UN 2794 Batteries, wet, filled with acid, electric storage

UN 2795 Batteries, wet, filled with alkali, electric storage

**UN 3292 Cells, containing sodium** 

To align with maximum net mass of **UN specification packaging** 

 $\rightarrow$  400 kg



Image credit: Industry Plaza (left); IndiaMART (right)



#### 3. Classification of Divisions 4.1 and 5.2

Self-reactive substances of Division 4.1 (ICAO TI Table 2-6 / IATA DGR App. C.1)
Organic peroxides of Division 5.2 (ICAO TI Table 2-7 / IATA DGR App. C.2)

Table 2-6. List of curre	ntly assigned self-reactive substance	s in packaging	gs							
Note.— Self-reactive substances to be trans (derived from the self-accelerating decomposition	Table 2-7. L  Note.— Peroxides to be transported the self-accelerating decomposition tem	ist of currently I must fulfil the o perature (SADT	classificati	ion and th					ures (der	ived from
Self-reactive substance  Acetone-pyrogallol copolymer 2-diazo-1-naphthol-5-su  Azodicarbonamide formulation type B, temperature co	Organic peroxide	Concentration (per cent)	Diluent type A (per cent)	Diluent type B (per cent) (Note 1)	Inert solid (per cent)	Water (per cent)	Control tempera- ture (°C)	Emergency tempera- ture (°C)	UN generic entry	Sub- sidiary hazards and notes
Azodicarbonamide formulation type C	Acetyl acetone peroxide Acetyl acetone peroxide	≤42 ≤32 as a paste	≥48			≥8			3105 3106	2 20

#### Classified into 7 types according to the degree of danger they present:

- Type A Forbidden in any mode of transport
- Types B to F Directly related to maximum quantity allowed in one packaging
- Type G Not subject to the provisions of the respective Divisions

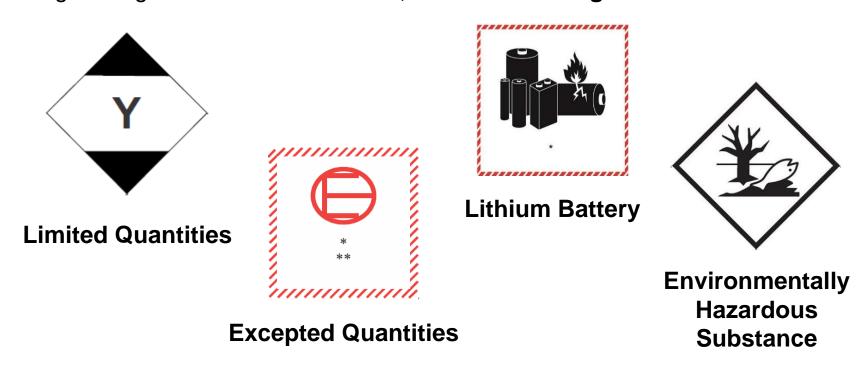
Editorial revision to align with UN Model Regulations

→ **No impact** on existing requirements



### 4. Replacement of marks by operators

When an operator discovers that any of the following marks for packages of dangerous goods have become **lost**, **detached or illegible**:

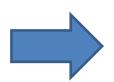


→ Operator must **replace** them with appropriate marks in accordance with the information provided on the DGD or AWB



In ICAO TI (2021-2022 edition), **DG training and assessment** requirements for employees of shippers, freight forwarders, aircraft operators and handling agents have been **revised**:

# Categorization approach



Competencybased approach

Previous training provisions may be used until 31 December 2022 while CBTA shall become **mandatory from 1 January 2023**.

The legal requirement for shippers and staff of freight forwarders, etc. to **complete DG training** remains **unchanged**.



#### **Transitional arrangement:**

DG training and assessment completed and certificates issued before 1 January 2023 with a validity period beyond 1 January 2023 will continue to be valid until they expire.

#### **Examples**

	Previous training	Certificate expiry	Recurrent training
a)	14-18 Dec 2020	31 Dec 2022	√ Categorization approach; or √ Competency-based approach between Oct and Dec 2022
b)	16 Jun 2022	30 Jun 2024	√ Competency-based approach between Apr and Jun 2024



### For employees with a valid DG training certificate / employees enrolling in recurrent training:

Categorization approach	Competency-based approach					
<ul> <li>1 – Shippers and persons undertaking the responsibilities of shippers</li> </ul>	<b>a</b> – Personnel responsible for preparation of DG consignments (H.6.1)					
3 – Staff of freight forwarders involved in processing DG	<b>c</b> – Personnel responsible for processing or accepting DG consignments (H.6.3)					
4 – Staff of freight forwarders involved in processing cargo or mail (other than DG)	<b>b</b> – Personnel responsible for processing or accepting goods presented as general cargo (H.6.2)					
5 – Staff of freight forwarders involved in the handling, storage and loading of cargo or mail	<b>d</b> – Personnel responsible for handling cargo in a warehouse and loading and unloading unit load devices (H.6.4)					



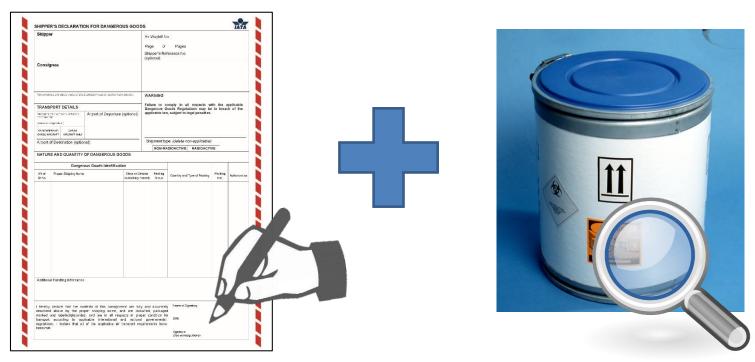
#### For new recruits / employees with new job function(s):

- Step 1) Select the **most appropriate role(s)** for each employee based on the task list → see <u>Training Needs Analysis Template</u>
- Step 2) Enrol in **CAD-approved** DG training programme for the required role(s) → see <u>List of Approved DG Training Courses</u>
- Step 3) Maintain training and assessment **record** for a minimum period of **36 months**  $\rightarrow$  see <u>Training & Assessment Record Template</u>
- Step 4) Arrange **recurrent training** and assessment for employees within **24 months** of the previous training cycle



#### Example 1: Staff of freight forwarder responsible for -

- (i) preparing DG consignments for and on behalf of shipper client (e.g. signing DGD) (Role a); and
- (ii) processing or accepting DG consignments (Role c)





#### Example 1: Staff of freight forwarder responsible for -

- (i) preparing DG consignments for and on behalf of shipper client (e.g. signing DGD) (Role a); and
- (ii) processing or accepting DG consignments (Role c)

Personnel, especially those of freight forwarders, may be responsible for multiple roles such as preparing dangerous goods consignments for and on behalf of their shipper client, as well as processing or accepting dangerous goods consignments. In this circumstance, the personnel will be required to complete training for personnel who is responsible for both (i) preparing, and (ii) processing or accepting dangerous goods consignments (roles a and c), and employers shall ensure their personnel complete training commensurate with <u>all</u> relevant job functions.

It is noted that certain training courses provided by third party training providers may cover multiple roles. In this regard, employers shall ensure that their employees obtain certificate(s) covering the required multiple roles upon completion of such training course, with a view to fulfilling the CBTA requirements.

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Example 2: Staff of warehouse sub-contractor responsible for -

(i) processing or accepting goods presented as general cargo (Role b); and

(ii) handling cargo in a warehouse and loading and unloading

unit load devices (Role d)





(see FAQ 17)



#### Example 2: Staff of warehouse sub-contractor responsible for -

- (i) processing or accepting goods presented as general cargo (Role b); and
- (ii) handling cargo in a warehouse and loading and unloading unit load devices (Role d)

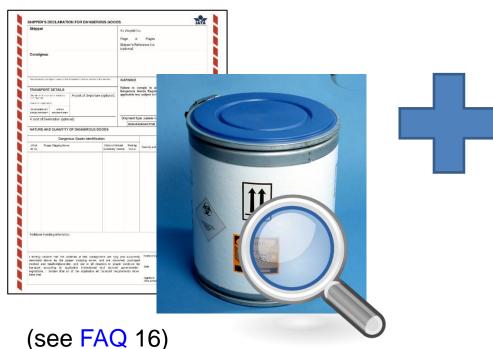
Only personnel who has completed dangerous goods training for processing or accepting dangerous goods consignments (role c) may process or accept dangerous goods. Therefore, freight forwarders shall ensure that their warehouse operations will only engage in processing or acceptance of dangerous goods consignments in the presence of a personnel who has completed the said training.

Section II of Packing Instructions 965 to 970 have provided exceptions to the air transport requirements in order to facilitate the transport of lithium batteries of small size and quantity (whether on their own, contained in or packed with equipment), therefore allowing these types of dangerous goods to be processed or accepted by appropriately trained "personnel responsible for processing or accepting goods presented as general cargo" (role b).



#### Example 3: Staff of freight forwarder responsible for -

- (i) processing or accepting DG consignments (Role c)
- (ii) processing or accepting goods presented as general cargo (Role b); and
- (iii) handling cargo in a warehouse and loading and unloading unit load devices (Role d)





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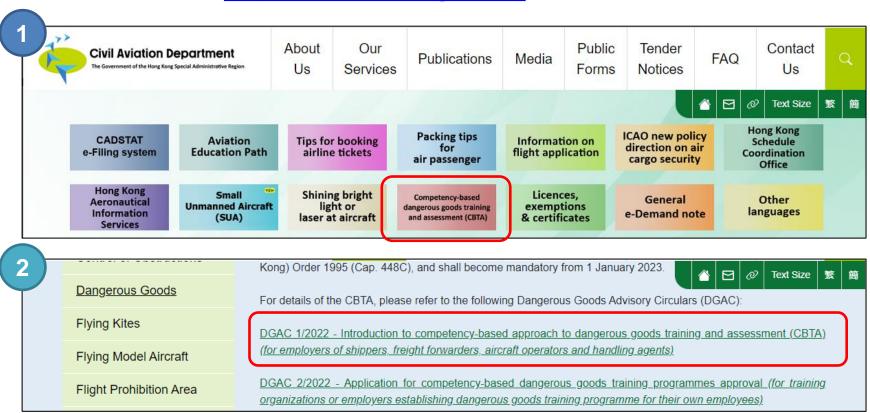
#### Example 3: Staff of freight forwarder responsible for -

- (i) processing or accepting DG consignments (Role c)
- (ii) processing or accepting goods presented as general cargo (Role b); and
- (iii) handling cargo in a warehouse and loading and unloading unit load devices (Role d)

In general, the approved dangerous goods training programmes for "personnel responsible for processing or accepting dangerous goods consignments" (role c) should cover the training elements for processing or accepting goods presented as general cargo as well as handling of cargo in a warehouse and loading and unloading ULD (roles b and d), and therefore these trained personnel may also perform the said job functions. Further reference can be made to the Training Need Analysis forms, and Tables 1 and 2 of Appendix I of Guidance on adopting Competency-based approach to dangerous goods training and assessment, as well as FAQ 25.



CAD's website: <a href="https://www.cad.gov.hk/">https://www.cad.gov.hk/</a>



Dangerous Goods Advisory Circular DGAC 1/2022
Introduction to Competency-based Approach to Dangerous Goods
Training and Assessment (CBTA) (for Employers)



CAD's website: <a href="https://www.cad.gov.hk/">https://www.cad.gov.hk/</a>

3	Flying Model Aircraft		Introduction to Competency-based Approach to Dangerous Goods Training and Assessment (CBTA) (for Employers). (PDF:136KB)		
	Flight Prohibition Area		Attachment I - Proposed Framework for Implementation of Competency-based Approach		
	Heliports and Helicopter Services		to Dangerous Goods Training and Assessment in Hong Kong (PDF:263KB)  Attachment II - Dangerous Goods Training Needs Analysis Form Templates		
	Packing Tips for Air Passenger	1/2022	For Staff Members of Shippers, Freight Forwarders & Sub-Contractors (Word:38KB)	Effective	
	Paragliding		For Staff Members of Aircraft Operators & Handling Agents   (Word:30KB)		
	Air Traffic Engineering Services		Attachment III - Dangerous Goods Training and Assessment Record Template (Word:36KB)		
			Related Frequently Asked Questions (PDF:234KB)		

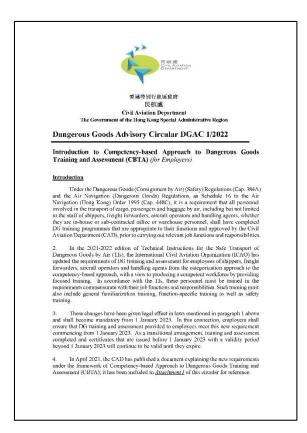
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For more information, please contact Safety Officer (Dangerous Goods) on telephone no. (852) 2910 6856, 2910 6857 or 2910 6855.

- ▶ <u>List of Approved DG Training Courses for Shippers and Freight Forwarders</u> (PDF: 379KB)
- ▶ <u>List of Approved DG Training Courses for Operators and Their Handling Agents</u> (PDF: 260KB)



CAD's website: <a href="https://www.cad.gov.hk/">https://www.cad.gov.hk/</a>



1	学院は別で改革を 民航機 Civil Aviation The Government		droini	istrative Region		employers in conducting Training Needs Analysis for employees. It is for reto be filled.  列安一 培訓摩求分析指本(金考爾獎及新納教的「列龍界京的員工角色」)	feren	ce on	ly, not	ree	
	1 Inc Government	or me roug roug operat a	CALLUM	adante region		列表一 培訓補水分配的本 《藝術國際民机組織的》明確界定的負土用售。) Table 1 Training Needs Analysis Template (well-defined roles with reference to the Internation					
	1-12年1 - 752年2		Tr.	李運危險品控訓術求	八化主め	表提以下的聯系清單。為每位使自發釋最適合的角色:	EAL C. IVII	STARTIN	on Orga	111723	
				主題/出版印刷 III 小 eeds Analysis Form for	21 01 12/18	Select the most appropriate role(s) for each employee based on the task list below					
				warders & Sub-Contrac	tors		員工角色 Roles*				
	15-00-00-00-00-00-00-00-00-00-00-00-00-00					職務/工作 Tasks	21	b	c	T	
Ħ	名稱 Company Name:					0. 一般知識及安全培制(包括範圍、適用性、限制、識別未中報危險品及緊急應應措施等)General awareness and safety training (including scope, applicability, limitations, recognition of undeclared DC and emergency reponse procedures, etc.)	Y	Y	Y		
11	摩求分析記錄(辦填寫此部份	<del>}</del> )				1. 分類危險物品 Classifying dangerous goods					
	ining Needs Analysis Record (I	Please fill in this part)				1.1 按照分類保存評估物質或物品(確定是否要於危險品,及是否在所有情况下都禁止				Т	
	(Notes:				LARA MARINE DA MARINE MARINE MARINE	運輸) Byahuate substance or article against classification criteria (cheek if it is DG, and	Y		4		
	<ol> <li>每位僱員可負責利表一()</li> </ol>					whether forbidden under any circumstances)					
	may be responsible for a mi the next page.	xture of tasks or be responsi	Ne fo	r more than one role (if appli	cable) shown in Table I on	1.2 頁斷偽流品的指進特性(判斷偽流品的規則或相則、包裝等級、聯合國清鐵等)	Y				
	<ol> <li>第十可採用公司內部的格;</li> </ol>	<b>新政策手册所列户的特定</b> :	C/HR	(佐府培訓選求(女成月)	,以代替下列為整位使具	Determine DG description (determine class or division, packing group, UN number, etc.)		1			
				ning needs analysis record fo		1.3 審資特殊規定 Review special provisions	Y	-	-		
	internal training policy man			e training needs for certain jo		2. 預備托運危險物品 Preparing dangerous goods shipments					
	保旨作名	僱員角色(見列表一)		保局姓名	保員角色(見列表一)	2.1 評估包括數量規制在內的包裝建資(考點各種吸制、國家和航空公司差異係款等)	000			Τ	
	Name of Employee	Role of Employee (see Table 1)	L	Name of Employee	Role of Employee (see Table 1)	Assess packing options including quantity limitations (consider limitations, state and operator variations, etc.)	Y	-			
	e.g. Chan Tai Man	c	11.			2.2 建市通営包装(考察包装规则的取制、差探適営的包装物料等) Apply packing					
ĺ	c.g. Wong Ka Man	b, d	12.			requirements (consider constraints of packing instructions, select appropriate packaging materials, etc.)	Y	-			
			13.			2.3 遠川道首·俄巴及標鎖 Determine and apply marks and labels	Y	-		1	
						2.4 評估合成包裝的使用信混 Assess use of overpacks	Υ	-		1	
			14.			2.5 預濟起線品的文件 Prepare documentation	Y	-			
		-	15.	<del>                                     </del>		3. 收運貨物 Processing/accepting cargo		1	-		
			1889			3.1 容視反馈品的文件(即允馈品申權單) Review documentation (i.e. Shipper's			Y	T	
			16.			Declaration for DG)		1	1		
		-	17.			3.2 等價低級品的包裝、標記及標籤 Review packaging, marks & labels	-	-	Y		
			2000			3.3 维門及完成完成品收標程序 Conduct and complete EXT acceptance procedures		-	Y	1	
<u> </u>			18.	-		3.4 吃溫菲依嬌而 倒物(檢查文件及包裝件學否存在次戶報復設 清詢等息) Process/accept cargo other than DG (check documentation and packages for indications of	3)	Y	-		
			-			undeclared DC) 4. 裝戴的管理貨物 Managing cargo pre-loading	-	4	_	1	
5.			20.			4.) 完劃特點係總元首物(與新自物協議、分稱等學文)Plan loading DC cargo		1	1	1	
			-		-	(determine segregation, separation, etc. requirements)	-	-			
_	n色 Roles (請參問列表一的職務所	栗 see Table 1 for the Task I	ist)			4.2 可能装配的效品合物(检查包裹件是否存在表广报的效品的研集、检查合物是否存					
je.	負責支援的後品貨物之其上Pers	camel responsible for preparatio	es of D	IO consignments		有相應/参屬、使用集裝器模製等) Prepare DG cargo load for aircraft (check packages for					
	CANNEST BUT SERVED TO THE COMMON	nel responsible for processing o	т аже	pring goods presented as genera	d cargo	indications of undeclared DG, check for damage/leakage, apply LLD tags when applicable,	-	-			
-		crine i responsable for processin	g or ac	cepting IXI consignments		ctc.)				27	
	負責收集的後品質物了其工 Pers		respon	sible for handling cargo in a war	chouse and loading and unloading	<ol> <li>收集安全數據(報告危險站意外、事故、未申報/錯誤申報危險站及其他事故) Collecting safety data (report DG accidents, incidents, underlared/misdcelared DG &amp; other occurrences.</li> </ol>	**	Y	Y.		
<u> </u>		記載集製器之景工 Personnel				*見工角色 Roles					
lu	負責收應的機品質物之其工 Pers 負責在台灣都通貨物以及級戰利 al devices										
lkı	負責收罪能後品貨物之其工 Pers 負責在台灣側通貨物以及裝頭料	(資子 Name)		(PA) (? Pesitien)		a 一 东西南色絵子伝物之景で Personnel responsible for preparation of DG consignments					
kı	負責收應的機品質物之其工 Pers 負責在台灣都通貨物以及級戰利 al devices	(資产 Name) (電信 Phone)		(政治 Pesition) (世別 Email)		<ul> <li>b 一 貴責祝訓一代資明之日二 Personnel responsible for processing or accepting goods presented as go e 一 貴貴代明代就任任劉平日二 Personnel responsible for processing or accepting DC consignments d 会計了大阪都会工作以及機能公司組織支援等分音 Therapsed responsible for handling range.</li> </ul>			d leuding	g succes	
lu	負責收應的機品質物之其工 Pers 負責在台灣都通貨物以及級戰利 al devices	(資子 Name)				<ul> <li></li></ul>			d leuding	g 1000	

**DGAC 1/2022** 

**Training Needs Analysis Template** 



CAD's website: <a href="https://www.cad.gov.hk/">https://www.cad.gov.hk/</a>



#### Civil Aviation Department The Government of the Hong Kong Special Administrative Region

Competency-based Approach to Dangerous Goods Training and Assessment (CBTA)

#### Frequently Asked Questions (FAQ)

#### A) General

 What are the changes to the dangerous goods training requirements from 1 January 2023?

Dangerous goods training requirements for personnel of shippers, freight forwarders, aircraft operators and handling agents will be changed from the current entegorization approach to a competency-based approach, with a view to producing a competent workforce by providing focused training. These personnel, whether they are in-house or sub-contracted office or warehouse personnel, must be trained in the requirements commensurate with their job functions and responsibilities.

The above changes have been given legal effect in the laws of Hong Kong and shall become mandatory from 1 January 2023. As a transitional arrangement, training and assessment completed and certificates issued before 1 January 2023 with a validity period covering beyond this date will continue to be valid until they expire.

What is competency-based approach to dangerous goods training and assessment (CBTA)?

Under the CBTA framework, personnel must be trained in the requirements commensurate with the job functions for which they are responsible and its goal is to produce a competent workforce by providing focused training. It ensures that trainees know what tasks they are expected to perform competently. To achieve this, personnel involved in the transport of curgo, pussengers and buggings by air are required to complete dangerous goods training and assessment in accordance with their assigned reprombibilities.

3. What is the major difference between categorization approach and competency-based approach to dangerous goods training?

In comparison, the categorization approach focuses on the personnel's job title while the competency-based approach focuses on the personnel's job functions for which they are responsible. The advantage of concentrating on job functions and responsibilities rather than a job title ensures that training is tailored to a person's actual tasks in relation to the transport of cargo, passengers and baggage by air such that the person is competent to perform their functions. For example, some freight forwarders may need their employees

Page 1 of 11

to perform some job functions that are typically performed by shippers such as labelling, marking or declaring dangerous goods. In this case, they would need to be trained to perform these functions competently regardless of their job fille.

4. As an employer in the air logistics and/or aviation industry, is there anything I need to do differently under the CBTA framework?

Employers shall ensure that employees involved in the transport of earge, passengers and hogages by air have completed appropriate dangerous goods training programme. Similar to current arrangements, they may establish and maintain their own dangerous goods training programmes approved by the CAI), which shall be reviewed and updated to catter for the CHFA farmework as deemed necessary. Alternatively, employers may delegate parts of their responsibility to a third party providing CAD-approved dangerous goods training programmes to their employees.

In both situations above, employers have new responsibilities under the CHTA framework which include conducting training needs analysis and maintaining training and assessment records for this employees. Chart-1 demonstrates the changes to employers' responsibilities for employees' dangerous goods training from 1 January 2023 under different scenarios. Word details can be found in DGAC 1/2022 at the following website: https://www.exd.asys/hi/cm/dsib/I/QACD/GAC 1/2022 aff

#### B) Training Needs Analysis

5. What is training needs analysis?

Training needs analysis is the initial phase of the implementation of a competency-based dangerous goods training programme, which identifies the training needs of personnel involved in the transport of cargo, passengers and bagagage by air. The result from this analysis can be a first of tasks that are typically performed by the employees, Based on the results of this analysis, appropriate dangerous goods training programmes can then be developed or sought for the camboves.

6. What is the expected output of training needs analysis?

Upon completion of the training needs analysis, employers should have developed the list of tasks that need to be performed by their employees, whose job functions involve the transport of eargo, passengers and baggage by air, in a specific operational setting. It will form the basis for formulating the type of training and assessment suitable for the employee. The CAD has prepared training needs analysis form templates which can be used by employers as a means of compliance for fulfilling this responsibility, as appropriate. The forms can be downloaded from the following website.

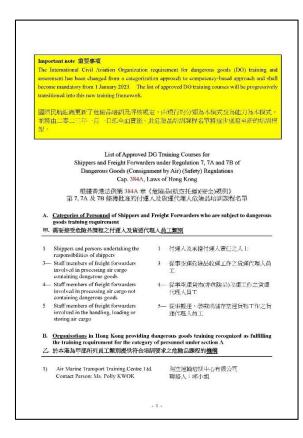
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### Training & Assessment Record Template

#### Frequently Asked Questions (FAQ)



CAD's website: <a href="https://www.cad.gov.hk/">https://www.cad.gov.hk/</a>



C. "Well-defined roles" of shippers and freight forwarders that require competency-based dangerous goods training, with reference to the International Civil Aviation Organization 丙. 参考國際民航組織需要接受能力為本危險品培訓之付運人及貨運代理人的「明確界定的 员工角色: a Personnel responsible for preparation of a 負責制備危險品貨物之員工 (注釋 1) dangerous goods consignments (Note 1) b - Personnel responsible for processing or b - 負責攻運一般貨物之員工 (注釋 2) accepting goods presented as general cargo (Note 2) c - Personnel responsible for processing or c- 負責收運航隊品貨物之員工(注釋1) accepting dangerous goods consignments (Note 1) d — Personnel responsible for handling cargo d — 負責在倉庫搬運貨物以及裝載和制載集 in a warehouse and loading and unloading unit load devices (Note 2) 1. In general, these personnel may have completed "Dangerous Goods Regulations (DGR)" training under the categorization approach. In general, these personnel may have completed "Dangerous Goods Awareness (DGA)" training under the 一般來說,在分類為本模式 5、這些人員可完成「危險品制則增訓講程」(DGR)。 一般來說,在分類為不模式下,這些人員可完成「危險品意識控訓練程」 (DGA)。 D. Training organizations in Hong Kong providing approved connectorsy-based dangerous goods training programmes for the "well-defined roles" listed in section C 於本港為內部所列之「明確界定的員工角色」提供已獲批准的能力為本危險品課程的培訓 1) Air Marine Transport Training Centre Ltd. 海空運輸培訓中心有限公司 Contact Person: Ms. Polly KWOK 聯絡人: 郵小姐 18総元 話: (852) 3462 2481/6360 6508 Tel: (852) 3462 2481/6360 6508 Email: admin@amttel.com 语句: admin@amttel.com Website: www.amttel.com 網拍: : www.amttel.com Role a & c of Part C 内部之a及e員工角色 Role b & d of Part C 丙部之b及d員工角色 2) Global Cold Chain Solutions Hong Kong Ltd. 高資冷凍速遞有限公司 Contact Person: Mr. Jimmy Ng 聯絡人: 吳先生 Tel: (852) 3500 3854 聯絡電話: (852) 3500 3854 Email: jimmyng@gccscourier.com 電道: jimmyng@geescourier.com Role a of Part C (Infectious Substances) 丙部之 a 員工角色 (國染性物質)

List of Approved DG Training Courses for Shippers and Freight Forwarders



The industry is reminded to make reference to the current edition of the ICAO TI (or IATA DGR) for the complete requirements on air transport of dangerous goods.

### Thank you