



航空公司貨

運聯絡小組

AIR CARGO

DG Seminar 2020

15 December 2020

Agenda

1. Highlight of Significant Changes to IATA DGR 62nd Edition
2. Highlight of HAFFA lithium batteries best practice
3. Case sharing

Significant Changes to IATA DGR 62nd Edition

Applicability

1. 1.5 - Training Requirement
 - i. competency-based approach to dangerous goods training and assessment
 - ii. there is a 2-year transition period until 31 December 2022

2. 1.7 - Dangerous Goods Security
 - i. New entries have been added to the indicative list of high consequence dangerous goods shown in Table 1.7.A.
 - i. Division 1.4 UN0512 / UN0513
 - ii. Division 1.6
 - iii. Division 6.2 medical waste of Category A (UN 3549)

Limitations

3. 2.3 - Dangerous Goods Carried by Passengers or Crew
 - i. The provisions for portable electronic devices (PED) and spare batteries for PED have been revised to amalgamate the provisions for electronic cigarettes and for PED powered by wet non-spillable batteries into 2.3.5.8.
 - i. Electronic cigarettes including e-cigars and other personal vaporisers containing batteries must be in carry-on baggage

Significant Changes to IATA DGR 62nd Edition

Identification

- 4. 4.4 - Special Provisions
 - i. A154 - significant revisions to A154 to address damaged and defective lithium batteries
 - i. (a) cells or batteries that have leaked or vented;
 - ii. (b) cells or batteries that cannot be diagnosed prior to transport; or
 - iii. (c) cells or batteries that have sustained physical or mechanical damage.

Packing

- 5. PI967 & PI970
 - i. against movement within the outer packaging and be packed so as to prevent accidental activation;
 - ii. where multiple pieces of equipment are packed in the same outer packaging, the equipment must be packed and protected against contact with other equipment so as to prevent damage;
- 6. PI965 to PI970
 - i. Section II identify that where there are packages from multiple packing instructions on one air waybill that the compliance statement may be combined into a single statement..
 - i. E.g.

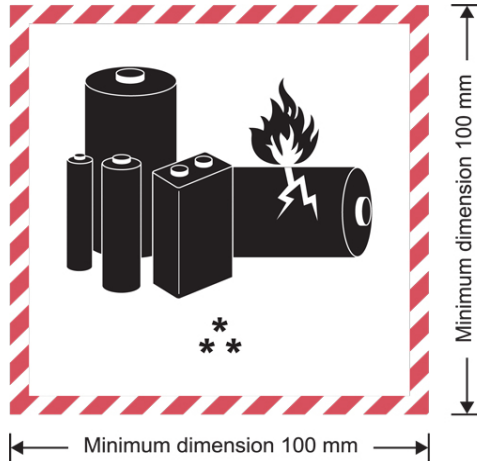
No. of Pieces RCP	Gross Weight	kg lb	Rate Class		Chargeable Weight	Rate / Charge	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.					
								Lithium ion batteries in compliance with Section II of PI 966 and PI 967

Significant Changes to IATA DGR 62nd Edition

Marking & Labelling

7. Marking & Labelling

- i. 7.1.5.5.3—The minimum dimensions of the lithium battery mark have been revised.
 - i. 100mm * 100mm (62nd Edition)
 - ii. The mark illustrated in Figure 7.1.C of the 61st Edition of these Regulations with minimum dimensions of 120 mm x 110 mm may continue to be used.
 - iii. Smaller size mark, 100mm wide x 70mm high, can only be used the package is of dimension without sufficient space for the standard mark



*Place for UN number(s)

**Place for telephone number for additional information

Significant Changes to IATA DGR 62nd Edition

Documentation

8. Documentation

- i. The statement required on the air waybill when dangerous goods are offered on a Shipper's Declaration has been revised to align the language to the use of electronic documentation where the Shipper's Declaration is not “attached” but rather is “associated”.
- i. The statement “Dangerous goods as per attached Shipper's Declaration” or “Dangerous goods as per attached DGD” as shown in the 61st Edition of these Regulations may continue to be used until 31 December 2022

Radioactive Materials

9. Radioactive Materials

- i. Replacement of “radiation level” by “dose rate”
- ii. revision to the statement on the air waybill when dangerous goods are offered on a Shipper's Declaration
 - i. “Dangerous goods as per associated Shipper's Declaration”

Highlight of lithium batteries best practice

Documentation / Packaging & Labelling / Packing Requirements

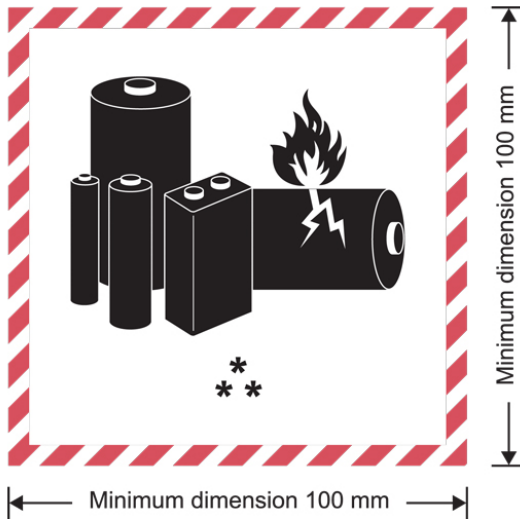
The statement “Dangerous goods as per attached Shipper’s Declaration” or “Dangerous goods as per attached DGD” as shown in the 61st Edition of these Regulations may continue to be used until 31 December 2022.

Item/UN/Section	UN3480 & UN3090			UN3481 & UN3091	
	Section IA	Section IB	Section II	Section I	Section II
Documentation					
Shipper’s DGD ¹ form	✓	✓	✗	✓	✗
Information indicated in “Handling Information” in AWB	<p>1. Dangerous Goods as per associated DGD²</p> <p>2. Cargo Aircraft Only or CAO</p>	<p>1. Dangerous Goods as per associated DGD</p> <p>2. Cargo Aircraft Only or CAO</p>	<p>1. Lithium ion / metal batteries in compliance with section II of PI965 / 968</p> <p>2. Cargo Aircraft Only or CAO</p> <p>(This information should be shown in “Nature & Quantity of Goods” Box)</p>	<p>Dangerous Goods as per associated DGD</p>	<p>Lithium ion batteries in compliance with section II of PI966 / 967 or</p> <p>Lithium metal batteries in compliance with section II of PI969 / 970</p> <p>(This information should be shown in “Nature & Quantity of Goods” Box)</p>

Highlight of lithium batteries best practice

Lithium Battery Mark for Section IB and II

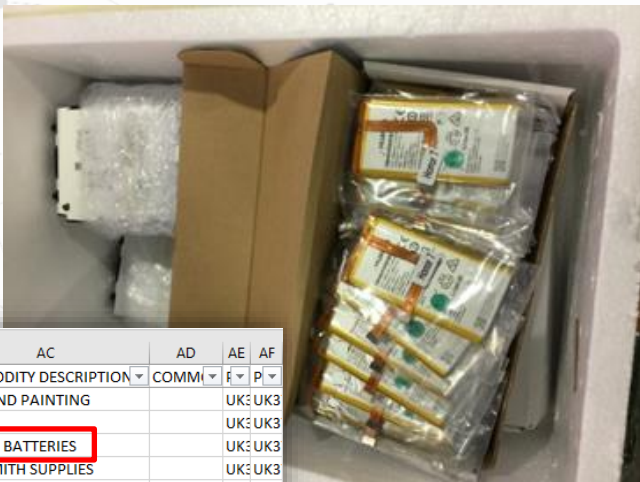
- Minimum dimensions: 100mm wide x 100mm high
- Hatching must be 5 mm
- Smaller size mark, 100mm wide x 70mm high, can only be used the package is of dimension without sufficient space for the standard mark



*Place for UN number(s)
**Place for telephone number for additional information

Case Sharing

Undeclared Shipment



	AC	AD	AE	AF
TY H	COMMODITY DESCRIPTION	COMMI	F	P
	DIAMOND PAINTING		UK	UK3
	HOOKS		UK	UK3
	LAPTOP BATTERIES		UK	UK3
	LOCKSMITH SUPPLIES		UK	UK3
	USB FLASH DRIVES		UK	UK3
	PHONE HOLDERS STANDS		UK	UK3
	SCREEN GLASS		UK	UK3

UN3480 – Lithium-ion battery

13 boxes were detected with suspected Lithium Battery inside. Undeclared “Lithium Battery” items (mobile-phone/Laptop batteries) were found

Good Description

Cable, Mobile case, Mobile protective film without battery

Mitigation

1. Raises the awareness of acceptance staff on the invoice / packing list advised by shipper.
2. Detect keyword of hidden DG by using computer system

Case Sharing

Mis-Undeclared Shipment



UN3480 – Lithium-ion battery

Mis-declared UN3480 PI965 as UN3481 PI967

Good Description

Phone Case, Bike Light, Not Restricted without nicotine,
Lithium-ion batteries in compliance with section II of PI967

Mitigation

1. Raises the awareness of acceptance and handling staff
2. Knowledge sharing within organization
3. Random X-Ray check and physical hand search

Case Sharing

Improper handling



UN3480 – Lithium-ion battery

A mis-declared package starts emitting smoke after dropping from height during the breakdown at CTO

Good Description

Mobile, Accessories, Cover, Earphones

Lithium-Ion Batteries in compliance with section II of PI967

Mitigation

1. Training on lithium battery handling

*If a package containing lithium batteries falls on the ground after acceptance, the concerned package is suggested be placed in an isolated area inside the warehouse. At least after 3-hour of observation, if there is no irregularity (e.g. does not emit any heat or smoke) from the package, it can be planned for continue transportation.

Case Sharing

Improper handling



UN1805 – Phosphoric acid, solution

Shipment was in good condition during DG acceptance without mishandling.

It was found a nail on wooden pallet was not fully embedded inside wooden pallet and resulted in crack on plastic drum bottom lead to content spillage.

Good Description

CONSOL

Mitigation

1. Place thick cardboard / wooden board between drum and base pallet to avoid any damage on drum incur from base pallet.
2. Fully embed the nail into wooden pallet to avoid damage on outer packing,

Case Sharing

Improper handling



UN1197 – Extracts, flavouring, liquid

Heavy wet damaged and leakage found on a fibreboard box upon breakdown in warehouse. It is caused by Insufficient absorbent and cushioning materials to protect inner packaging. CAO label peeled off from outer packaging due to leakage.

Good Description

Consolidation cargo as per attached manifest

Mitigation

1. Change inner packing material to aluminum.
2. Place additional absorbent and cushioning materials to prevent inner packaging from damage during transportation.

Thanks

