

航空公司貨



運聯絡小組

AIR CARGO

Best Practice on Consigning Lithium Batteries in Hong Kong

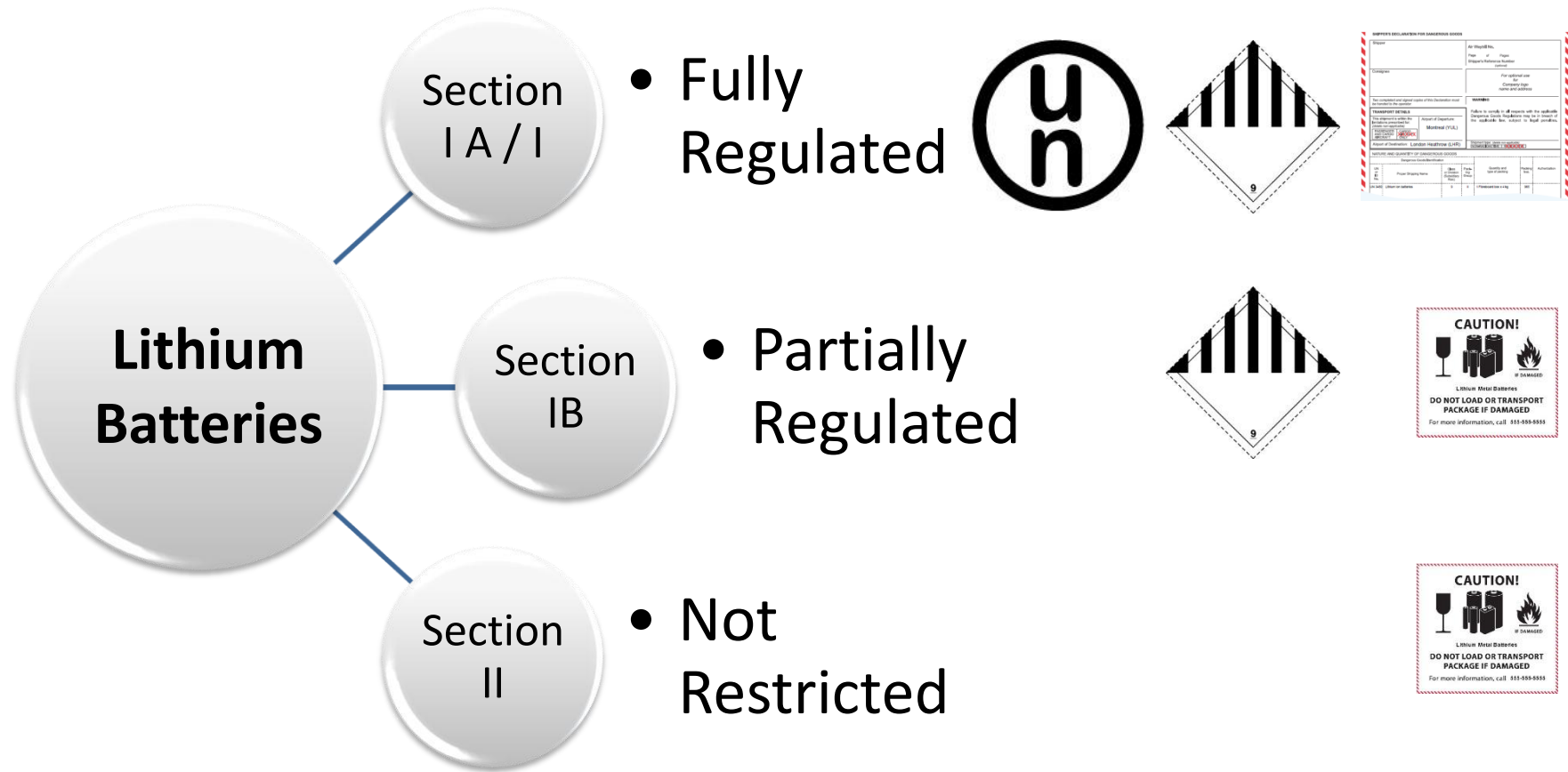
CLG – DGWG Chairman

21 November 2012

Lithium Batteries Best Practice 010

- Guideline for shippers in Hong Kong to follow
- Generally adopted by airlines operating in Hong Kong
- Developed based on
 - ICAO Technical Instructions
 - IATA Dangerous Goods Regulations
 - Advice from Hong Kong Civil Aviation Department (CAD) and CLG – DGWG Members

2013 Lithium Batteries Classification



SECTION II LITHIUM BATTERIES

Section II Lithium Batteries

Lithium ION Batteries

Cell: ≤ 20 Wh or Battery: ≤ 100 Wh

PI965

- Lithium Ion Batteries
- 3 Types
 - Cell / Battery: ≤ 2.7 Wh
 - Cell: > 2.7 Wh but ≤ 20 Wh
 - Battery: > 2.7 Wh but ≤ 100 Wh

PI966

- Lithium Ion Batteries Packed with Equipment

PI967

- Lithium Ion Batteries Contained in Equipment

Lithium METAL Batteries

Cell: ≤ 1 g lithium or Battery: ≤ 2 g lithium

PI968

- Lithium Metal Batteries
- 3 Types
 - Cell / Battery: ≤ 0.3 g
 - Cell: > 0.3 g but ≤ 1 g
 - Battery: > 0.3 g but ≤ 2 g

PI969

- Lithium Metal Batteries Packed with Equipment

PI970

- Lithium Metal Batteries Contained in Equipment

Max Net Qty / Pkg

2.5 kg /
8 Cells /
2 Batteries

5 kg

5 kg

Section II Batteries-- Document & Package Requirement

Master Air Waybill

Flight/Date	Amount of Insurance	INSURANCE - If Carrier offers insurance and such insurance is requested in accordance with conditions on reverse hereof indicate amount to be insured in figures in box marked "Amount of Insurance."
		SCI
Rate Charge	Total	Nature and Quantity of Goods (incl. Dimensions or Volume)
		Lithium XXX batteries in compliance with Section II of PI 9XX

Package



Lithium Battery Document

Lithium Battery Section II Declaration

- Shipper's Name, Address, Job Title
- Consignee's Name, Address
- #AWB # (if any)
- UN #
- Type of Cells or Batteries
- Packing Instruction (PI)
- # of Packages, Net Wgt of Each Package
- Declare the consignment contains no recalled and / or defective batteries
- State that the package must be handled with care
- Specify the special procedures to be followed in case of incident
- Telephone #

➤ Signature
➤ Company Stamp
DATE



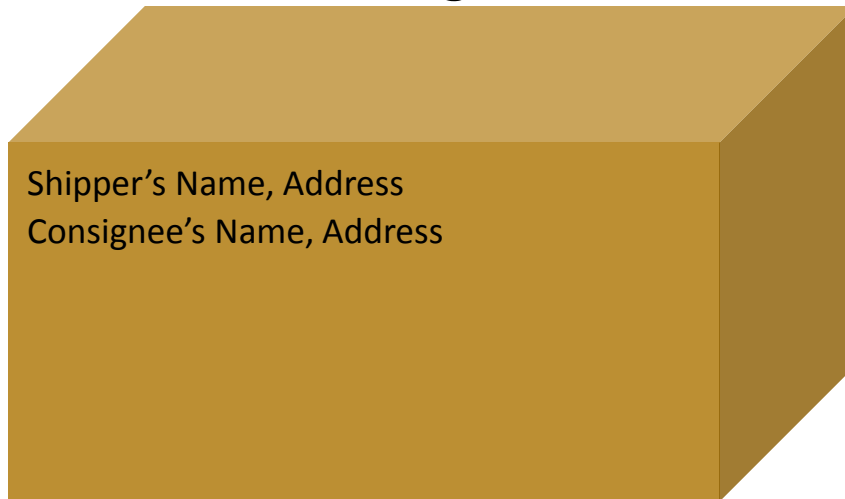
Section II Batteries-- Exceptional Handling PI967 & PI970

Applicable to Lithium Batteries **CONTAINED** in Equipment

Master Air Waybill **≤ 4 cells or ≤ 2 Batteries**

Flight/Date	Amount of Insurance	INSURANCE - If Carrier offers insurance and such insurance is requested in accordance with conditions on reverse hereof indicate amount to be insured in figures in box marked "Amount of insurance."
		SCI
Rate Charge	Total	Nature and Quantity of Goods (incl. Dimensions or Volume)
		Lithium XXX batteries in compliance with Section II of PI 9XX Package contains 4 cells or less OR Package contains 2 batteries or less

Package



SECTION IB LITHIUM BATTERIES

Section IB Lithium Batteries

Applicable to Batteries ONLY Shipment

Compared to Section IA / I, Section IB is **EXCEPTED FROM:**

- DGD, and
- UN Specification Packaging

Pre-Pack NOT ALLOWED
Full DGR Training REQUIRED

Max Gross Qty / Pkg

Lithium **ION** Batteries

P1965

- Cell: $\leq 20\text{Wh}$
- Battery: $\leq 100\text{Wh}$

10 kg **G**

Lithium **METAL** Batteries

P1968

- Cell: $\leq 1\text{g lithium}$
- Battery: $\leq 2\text{g lithium}$

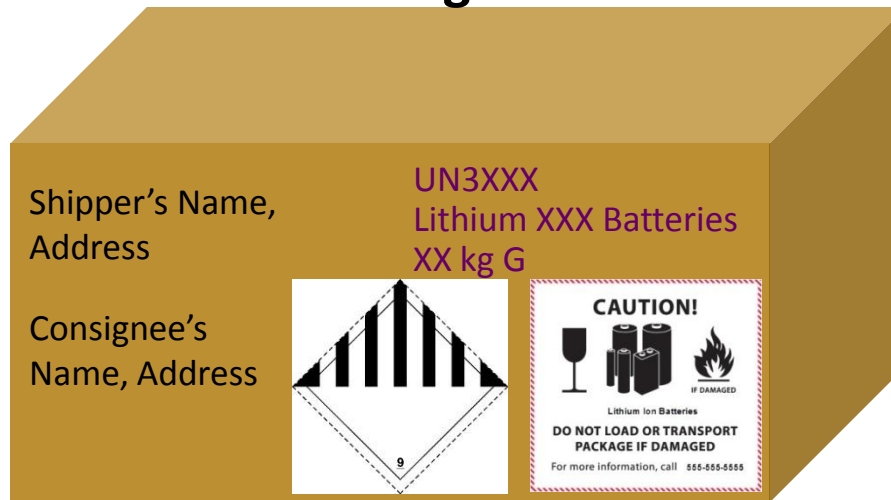
2.5 kg **G**

Section IB Batteries-- Document & Package Requirement

Master Air Waybill

Flight/Date	Amount of Insurance	INSURANCE - If Carrier offers insurance and such insurance is requested in accordance with conditions on reverse hereof indicate amount to be insured in figures in box marked "Amount of Insurance."
		SCI
Rate Charge	Total	Nature and Quantity of Goods (incl. Dimensions or Volume)
		Lithium XXX batteries in compliance with Section IB of PI 9XX

Package



Lithium Battery Document

Lithium Battery Section IB Declaration

- Shipper's Name, Address, Job Title
- Consignee's Name, Address
- #AWB # (if any)
- UN #
- Type of Cells or Batteries
- Packing Instruction (PI)
- # of Packages, Gross Wgt of Each Package
- Declare the consignment contains no recalled and / or defective batteries
- State that the package must be handled with care
- Specify the special procedures to be followed in case of incident
- Telephone #

➤ Signature
 ➤ Company Stamp
 DATE



SECTION IA & I LITHIUM BATTERIES

Section IA & I Lithium Batteries

Lithium ION Batteries

Cell: > 20 Wh or Battery: > 100 Wh

PI965
Section IA

- Lithium Ion Batteries

PAX
5 kg

CAO
35 kg

PI966
Section I

- Lithium Ion Batteries
Packed with
Equipment

PAX
5 kg

CAO
35 kg

PI967
Section I

- Lithium Ion Batteries
Contained in
Equipment

PAX
5 kg

CAO
35 kg

Lithium METAL Batteries

Cell: > 1g lithium or Battery: > 2g lithium

PI968
Section IA

- Lithium Metal Batteries

PAX
2.5 kg

CAO
35 kg

PI969
Section I

- Lithium Metal Batteries
Packed with
Equipment

PAX
5 kg

CAO
35 kg

PI970
Section I

- Lithium Metal Batteries
Contained in
Equipment

PAX
5 kg

CAO
35 kg

Section IA & I Batteries-- Document & Package Requirement

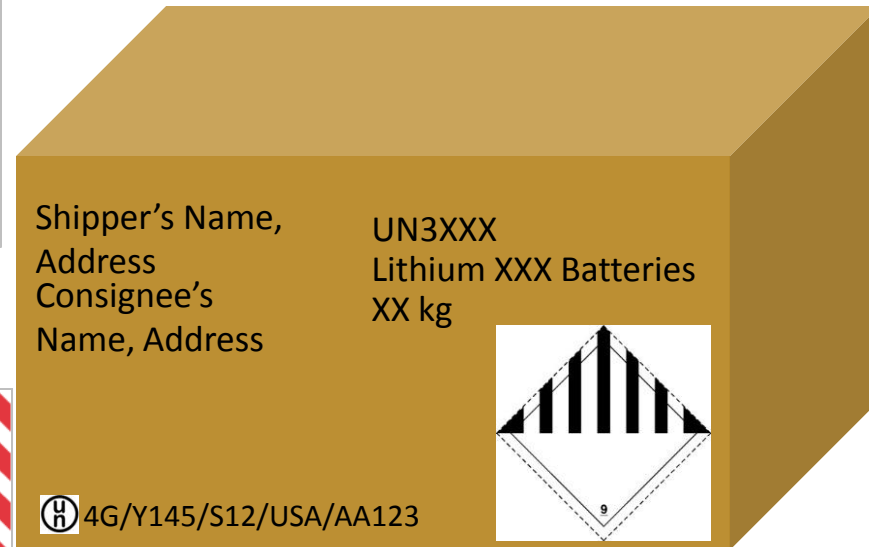
Master Air Waybill

Flight/Date	Amount of Insurance	INSURANCE - If Carrier offers insurance and such insurance is requested in accordance with conditions on reverse hereof indicate amount to be insured in figures in box marked "Amount of Insurance."	
Dangerous Goods as per attached Shipper's Declaration			SCI
Rate / Charge	Total	Nature and Quantity of Goods (incl. Dimensions or Volume)	
		Lithium XXX Batteries	

Shipper's Declaration for Dangerous Goods (DGD)

NATURE AND QUANTITY OF DANGEROUS GOODS						
Dangerous Goods Identification						
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary risk)	Packing Group	Quantity and type of packing	Packing Inst.	Authorization

Package



END