

Dangerous Goods Best Practice-007 (Updated Version: May 2009)

Best Practice for the Acceptance of Cargo Consignment containing Lithium Cell / Battery by Airlines in Hong Kong

Background

Following the latest changes on Lithium Cells / Batteries shipment as per 50th edition of the IATA Dangerous Goods Regulations, the Dangerous Goods Best Practice 007 was released and with effect from 01 January 2009. However, to further facilitate industrial operations, a revised version is provided herewith below:

Important Note for All Sections:

- All Lithium Cells / Batteries shipment must have completed UN38.3 test.
- All relevant supporting documents (i.e. MSDS or UN38.3 test report) must be ready before cargo acceptance by shippers / forwarders, and individual carrier may in its sole discretion to request any supporting document.

Section 1 - Cells / Batteries ship as 'Not Restricted' Cargo

IATA Dangerous Goods Regulations (DGR) highlights as below:

A. Lithium-ion Cells / Batteries shipped as 'Not Restricted' Cargo

1. Must comply with Part 1 of PI965 – PI967 accordingly.
2. For cells, the Watt-hour rating should not be more than 20Wh.
3. For batteries, the Watt-hour rating should not be more than 100Wh.

B. Lithium Metal Cells / Batteries shipped as 'Not Restricted' Cargo

1. Must comply with Part 1 of PI968 – PI970 accordingly.
2. For cells, the lithium content should not be more than 1 g; while for batteries, the aggregate lithium content should not be more than 2 g.

C. Common Practice - Documentation requirements:

Each consignment must be accompanied with a document signed by the shipper (name and title of the shipper must be provided) with company stamp indicating information below:

1. Indicate what kind of Lithium cells / batteries the package contains.
i.e. "Lithium ion batteries", "Lithium metal batteries", "Lithium ion cells" or "Lithium metal cells"
2. Indicate message: "Handle with care. Flammability hazard exists if the package is damaged"
3. Indicate which Special Procedures should be followed in the event the package is damaged, to include inspection and repacking if necessary.
4. Provide the Telephone Number for additional information.
5. Indicate which Packing Instruction has the shipment comply with.
e.g. "Comply with Part 1 of PI965" or "Comply with Part 1 of PI966", etc
6. Indicate the consignment does not contain any recalled and/or defective batteries.

** Should the shipment under the same shipper involves more than one Packing Instruction (PI), single declaration is acceptable provide that the shipper clearly lists out items with relevant PI to ensure a cross reference is available.

D. Please Observe:

- Each package must be labeled with a lithium battery handling label.
- Respective Special Provisions as listed in IATA DGR.
- Individual carrier requirement.

E. Exceptional Handling for package contains 4 cells or less / 2 batteries or less installed in equipment under Part 1 of PI967 & Part 1 of PI970:

1. The package does not require affixing any Lithium Battery Labels.
2. The above part of "Common Practice - Documentation requirements" does not apply here.
3. Instead, shipper / forwarder only requires to declare on MAWB or a separate document the following:
 - Package containing 4 cells or less; or
 - Package containing 2 batteries or less

Section 2 - Cells / Batteries ship as Dangerous Goods, Class 9

IATA Dangerous Goods Regulations (DGR) highlights as below:

A. Lithium-ion Cells / Batteries shipped as Class 9

1. Must comply with Part 2 of PI965 – PI967 accordingly.

B. Lithium Metal Cells / Batteries shipped as Class 9

1. Must comply with Part 2 of PI968 – PI970 accordingly.
2. Transport as “**contained in equipment**”:
 - The quantity of lithium metal contained in piece of equipment must not exceed 12 g per cell and 500 g per battery.
3. Under following conditions:
 - (I) Transport with “**only cells / batteries**” on Passenger Aircraft; or;
 - (II) Transport as “**packed with equipment**” on Passenger AircraftNeed to apply:
 - a. Must be packed in either a rigid metal intermediate or a metal outer packaging; and
 - b. Cells and batteries must be surrounded by cushioning material that is non-combustible and non-conductive.

C. Common Practice - Documentation requirement:

1. Valid and duly completed Shipper’s Declaration for Dangerous Goods form.

D. Please observe:

- Individual carrier requirement

– END –

Issued by:

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