



Lithium Battery Guidance Document

Transport of lithium Metal and Lithium Ion Batteries

Revised for the 2014 Regulations



Introduction

This document is based on the provisions set out in the 2013-2014 Edition of the ICAO Technical Instruction for the Safe Transport of Dangerous Goods by Air and the 55th Edition of the IATA Dangerous Goods Regulations (DGR).

The purpose of this document is to provide guidance for complying with provisions applicable to the transport by air of lithium batteries as set out in the DGR. Specifically the document provides information on:

- Definitions;
- Classification (including classification flowcharts);
- Transport Conditions
- Exceptions;
- Special Provisions;
- Packaging provisions for lithium batteries;
- Prohibitions;
- Passenger Provisions; and
- Frequently Asked Questions

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provisions of DGR 1.3.3.3 and 1.3.3.6 apply. If packages are assembled into an overpack the requirements for overpacks in DGR 8.1.6.9.3, Step 7 apply.

Note 3: *Until 31 March 2014 the shipper may, provide the information set out below on an air waybill or on an alternative transport documentation in lieu of using a Shipper's Declaration.*

When the transitional provisions are applied and an air waybill is used, the information required by 2, 3 and 4 below must be shown in the "Nature and Quantity of Goods" box of the air waybill and the air waybill must clearly identify the name and address of the shipper and of the consignee. Where an agreement exists with the operator, the shipper may provide the information by electronic data processing (EDP) or electronic data interchange (EDI) techniques. The information required is as follows and should be shown in the following order:

- 1) the name and address of the shipper and consignee;*
- 2) UN 3480 or UN 3090, as applicable;*
- 3) Lithium ion batteries PI 965 IB, or lithium metal batteries PI 968 IB;*
- 4) the number of packages and the gross weight of each package.*

3. Section II - Packing Instructions 965 – 970

"Small" Lithium ion and lithium metal cells and batteries that meet the Watt-hour or lithium content limits set out in Section II of PI 965 to PI 970 are only subject to certain parts of the DGR when shipped as cargo. The bulk of the requirements for these small lithium batteries are contained within the General Requirements at the start of each packing instruction which apply to all lithium batteries and then the specific requirements set out in Section II of each packing instruction, which are as follows:

- (a) classification (DGR 3.9.2.6);
- (b) limits on the quantity of lithium cells or batteries per package (Table II of the applicable packing instruction);
- (c) strong outer packagings (see Section II of applicable packing instruction);
- (d) marking and labelling of packages (Additional Requirements of Section II of the applicable packing instruction);
- (e) the details of the consignment must be described (Additional Requirements of Section II of the applicable packing instruction).

Exceptions

Small lithium metal and lithium ion batteries are not subject to all of the provisions of the DGR provided that they comply with all of the requirements set out in Section II of Packing Instructions 965, 966 and 967 for lithium ion batteries and Section II of Packing Instructions 968, 969 and 970 for lithium metal batteries in the 55th Edition of the IATA DGR.

Packages containing lithium batteries, or lithium batteries contained in, or packed with, equipment that meet the provisions of Section II of these packing instructions are not required to have a Class 9 hazard label and there is no requirement for a Shipper's Declaration for Dangerous Goods for consignments of these batteries.

Classification Flowchart – Lithium Ion Batteries

