Beamex policy for shipping devices containing Li-Ion batteries

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1. Purpose

This document describes safe practices shipping devices containing Li-Ion batteries for service. The practices are based on the instructions described in IATA 2024 Lithium Battery Guidance Document which is based on the provisions set out in the 2023-2024 Edition of the ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air (Technical Instructions) and the 65th Edition (2024) of the IATA Dangerous Goods Regulations (DGR).

All shipping practices described in this document have been subjected to the required stack tests. The test report is available upon request.

2. Definitions, Acronyms and Abbreviations

List all definitions, acronyms, and abbreviations used in this document. See example below:

- IATA The International Air Transport Association
- ICAO The International Civil Aviation Organization
- DGR Dangerous Goods Regulations

3. Shipping the MC6 in a hard carrying case

The MC6 family calibrator battery packs consists of lithium-ion cells and the capacity of the battery pack is 47.73 Wh. When shipping the MC6 in a hard carrying case the recommended packing instructions are as follows:

3.1.1. A Shipment containing max. 2 MC6s

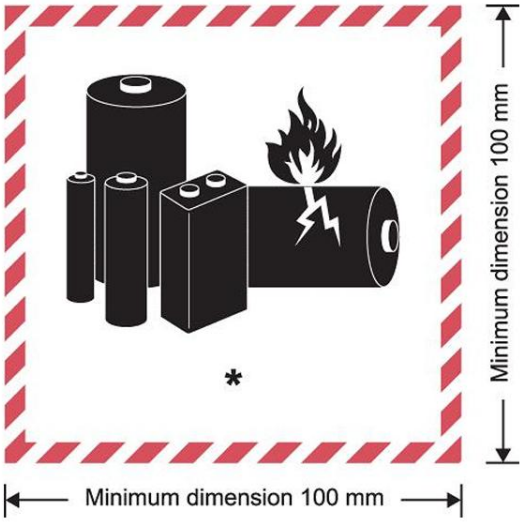
Each MC6 in a hard carrying case is packed in its own cardboard box with a height of 350 mm/13.78” minimum. There should be protective filling both on the top and bottom of the MC6 hard carrying case as shown in the pictures below.

3.1.2. A Shipment containing more than 2 MC6s

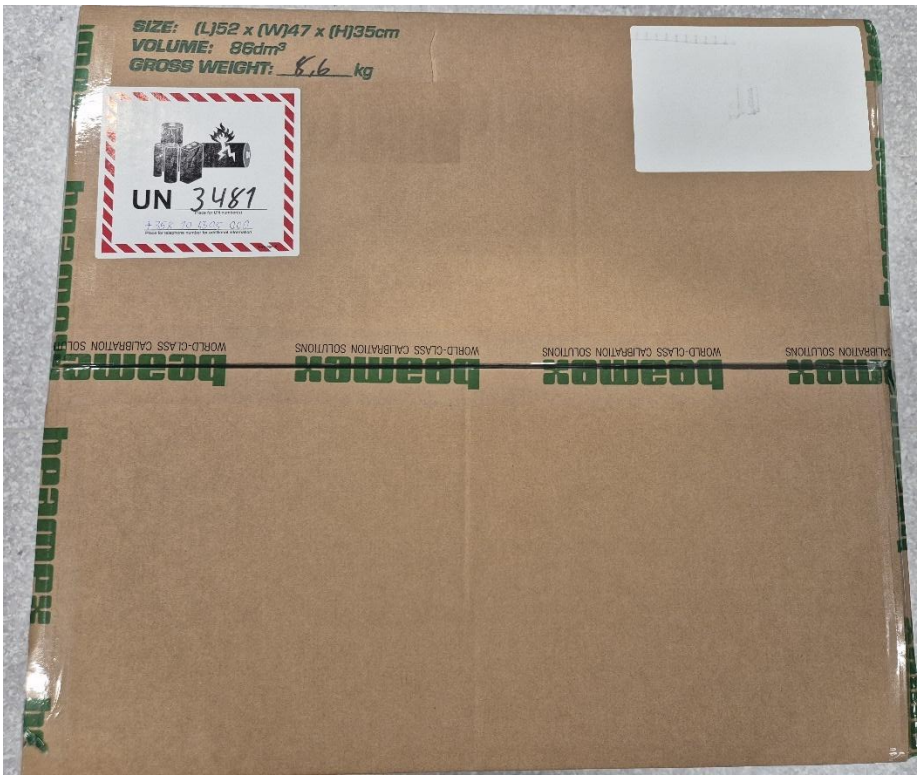
Each MC6 in a hard carrying case is packed in its own cardboard box as described in the previous chapter.

The lithium battery mark is required on top of the cardboard box. Below requirements for the mark:

- The border of the mark must have red diagonal hatchings with a minimum width of 5 mm.
- The symbol (group of batteries, one damaged and emitting flame, above the UN number for lithium ion or lithium metal batteries or cells) must be black on white or suitable contrasting background.
- The mark must be in the form of a rectangle or a square with minimum dimensions of 100 mm x 100 mm.



* Place for UN number(s), i.e. UN 3090, UN 3091, UN 3480 and/or UN 3481, as applicable. In this case it is: UN 3481 (as in picture below).



3.2. MC6 in a protective cardboard box

3.2.1. A Shipment containing max. 2 MC6s

Each MC6 in a protective cardboard box is packed in its own cardboard box with a height of 35 cm/13.78” minimum. There should be protective filling both on the top and bottom of the MC6 as shown in the pictures below.

3.2.2. A Shipment containing more than 2 MC6s

The same procedure as described in chapter 3.1.2.

4. Shipping the ePG in a hard carrying case

Also, the ePG battery pack consists of lithium-ion cells and the capacity of the battery pack is 48.96 Wh. When shipping the ePG in a hard carrying case the recommended packing instructions are as follows:

4.1.1. A Shipment containing max. 2 ePGs

Each ePG in a hard carrying case is packed in its own cardboard box with a height of 220 mm/8.66” minimum. There should be protective filling both on the top and bottom of the ePG hard carrying case as shown in the pictures below.

4.1.2. A Shipment containing more than 2 ePGs

Each ePG in a hard carrying case is packed in its own cardboard box as described in the previous chapter. Otherwise, the same procedure as described in chapter 3.1.2.