

Multilateral Agreement M295

**under section 1.5.1 of ADR
concerning the carriage of lithium cells and batteries of production runs, consisting of
not more than 100 cells and batteries, or pre-production prototypes of cells and batteries
carried for testing
(UN 3090 – 3091 – 3480 - 3481)**

1. By derogation from the provisions of 3.3.1 special provision 310 of ADR, lithium cells and batteries or lithium cells and batteries contained in equipment, assigned to UN 3090, 3091, 3480, or 3481 as appropriate, of production runs, consisting of not more than 100 cells and batteries, or pre-production prototypes of cells and batteries carried for testing may be carried without application of the testing requirements in the Manual of Tests and Criteria, part III sub-section 38.3, when packed according to the packing instruction described in the appendix, provided these cells and batteries are not damaged or carried for disposal.
2. Damaged or defective cells and batteries, or cells and batteries contained in equipment shall be carried in accordance with special provision 376 and packaged in accordance with packing instructions P908 of 4.1.4.1 or LP904 of 4.1.4.3, as applicable.
3. Cells, batteries or cells and batteries contained in equipment carried for disposal or recycling may be packaged in accordance with special provision 377 and packing instruction P909 of 4.1.4.1.
4. The consignor shall enter in the transport document "Carriage agreed under the terms of section 1.5.1 of ADR (M295)".
5. This agreement shall be valid until 31 December 2016 for the carriage on the territories of those ADR Contracting Parties signatory to this Agreement. If it is revoked before that date by one of the signatories, it shall remain valid until the above mentioned date only for carriage on the territories of those ADR Contracting Parties signatory to this Agreement which have not revoked it.

Done in Paris, on February 1st, 2016

The competent authority for ADR in France

Pour la ministre par délégation :

L'ingénieur général des mines,


Jérôme GOELLNER

Appendix to Multilateral Agreement M295

PACKING INSTRUCTION

This instruction applies to UN Nos. 3090, 3091, 3480 and 3481 production runs consisting of not more than 100 cells and batteries and pre-production prototypes of cells and batteries when these prototypes are carried for testing.

The following packagings are authorized provided that the general provisions of 4.1.1 and 4.1.3 are met:

- (1) For cells and batteries, including when packed with equipment:
Drums (1A2, 1B2, 1N2, 1H2, 1D, 1G);
Boxes (4A, 4B, 4N, 4C1, 4C2, 4D, 4F, 4G, 4H1, 4H2);
Jerricans (3A2, 3B2, 3H2).

Packagings shall conform to the packing group II performance level and shall meet the following requirements:

- (a) Batteries and cells, including equipment, of different sizes, shapes or masses shall be packaged in an outer packaging of a tested design type listed above provided the total gross mass of the package does not exceed the gross mass for which the design type has been tested;
- (b) Each cell or battery shall be individually packed in an inner packaging and placed inside an outer packaging;
- (c) Each inner packaging shall be completely surrounded by sufficient non-combustible and non-conductive thermal insulation material to protect against a dangerous evolution of heat;
- (d) Appropriate measures shall be taken to minimize the effects of vibration and shocks and prevent movement of the cells or batteries within the package that may lead to damage and a dangerous condition during carriage. Cushioning material that is non-combustible and non-conductive may be used to meet this requirement;
- (e) Non-combustibility shall be assessed according to a standard recognized in the country where the packaging is designed or manufactured;
- (f) A cell or battery with a net mass of more than 30 kg shall be limited to one cell or battery per outer packaging.

- (2) For cells and batteries contained in equipment:
Drums (1A2, 1B2, 1N2, 1H2, 1D, 1G);
Boxes (4A, 4B, 4N, 4C1, 4C2, 4D, 4F, 4G, 4H1, 4H2);
Jerricans (3A2, 3B2, 3H2).

Packagings shall conform to the packing group II performance level and shall meet the following requirements:

- (a) Equipment of different sizes, shapes or masses shall be packaged in an outer packaging of a tested design type listed above provided the total gross mass of the package does not exceed the gross mass for which the design type has been tested;
- (b) The equipment shall be constructed or packaged in such a manner as to prevent accidental operation during carriage;

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- (c) Appropriate measures shall be taken to minimize the effects of vibration and shocks and prevent movement of the equipment within the package that may lead to damage and a dangerous condition during carriage. When cushioning material is used to meet this requirement it shall be non-combustible and non-conductive; and
- (d) Non-combustibility shall be assessed according to a standard recognized in the country where the packaging is designed or manufactured.
- (3) The equipment or the batteries may be carried unpackaged under conditions approved by the competent authority of any ADR contracting party. This competent authority may also recognise an approval issued by the competent authority of a country which is not an ADR Contracting Party, provided this approval was issued in accordance with the procedures applicable according to RID, ADR, the IMDG Code or the ICAO Technical Instructions.
- Additional conditions that may be considered in the approval process include, but are not limited to:
- (a) The equipment or the battery shall be strong enough to withstand the shocks and loadings normally encountered during carriage, including trans-shipment between cargo transport units and between cargo transport units and warehouses as well as any removal from a pallet for subsequent manual or mechanical handling; and
- (b) The equipment or the battery shall be fixed in cradles or crates or other handling devices in such a way that it will not become loose during normal conditions of carriage.

Additional requirements

The cells and batteries shall be protected against short circuit;

Protection against short circuits includes, but is not limited to,

- individual protection of the battery terminals,
- inner packaging to prevent contact between cells and batteries,
- batteries with recessed terminals designed to protect against short circuits, or
- the use of a non-conductive and non-combustible cushioning material to fill empty space between the cells or batteries in the packaging.