

## Changes and Amendment to the 2021 Edition

The 2021 Edition of the ebooks dedicated to the safe transport of batteries classified as dangerous goods for transportation, incorporates the ADR 2021, IMDG Code 39-18 and IATA DGR 2021 62nd edition.

The changes mainly concern, as often happened in past years, the transport of lithium batteries, but there are also news for the transport of lead acid and NiCd waste batteries and spare batteries dry, wet non-spillable and NiMH batteries for portable electronic devices (PED).

All changes have been reported in the respective chapters of part 1 of the two ebooks, "International Transport Regulations" and, where applicable, in the individual "Summary Sheets" and have been highlighted by the grey background.

Let's start with the change in the title of the ADR Agreement, which loses the reference to the European continent and becomes "Agreement concerning the International Carriage of Dangerous Goods by Road"

With regard to damaged and defective lithium batteries, the assessment and evaluation will be performed from the cell, battery or product manufacturer or by a technical expert with knowledge of the cell's or battery's safety features; the list of reference criteria, non-exhaustive examples, has also been extended.

The criteria for marking, labelling and writing on the transport document of packages containing simultaneously lithium batteries IN equipment and lithium batteries packed WITH equipment have been specified, as well as the combination of lithium metal and lithium ion batteries in the same package.

The size of the lithium battery mark is changed, for small excepted lithium batteries, which now conforms to the typical value of 100 x 100 mm and which however leaves the freedom to use the previous rectangular shape.

Information regarding restrictions in checked baggage and carry-on baggage of electronic cigarettes lighters powered by lithium batteries and of baggage with installed lithium batteries, as well as Spare lithium batteries, has been updated.

The provisions relating to Portable electronic devices (PEDs) have also been updated for lithium batteries but also for dry, wet non-spillable and NiMH batteries.

For lead-acid batteries (UN 2794) and NiCd (UN 2795) and for wet non-spillable (UN 2800) batteries, packing instruction P801a is deleted but its content, with some changes, has been incorporated into the amended P801, which contains provisions for both new and used batteries.

I remind you that for road transport mode until 30 June 2021 there is a transitional period in which it is allowed to use the ADR 2019, from 1 July 2021 only the ADR 2021 will be used.