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Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals

Sub-Committee of Experts on the Transport of Dangerous Goods

Fifty-ninth session

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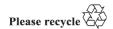
Electric storage systems: transport provisions

Proposed amendments to packing instruction LP903

Transmitted by PRBA – The Rechargeable Battery Association and RECHARGE the Advanced Rechargeable & Lithium Batteries Association*

Introduction

- 1. During the fifty-eighth session, the Sub-Committee considered amendments to packing instruction LP903 based on document ST/SG/AC.10/C.3/2021/28. Taking account of the comments received from members of the Sub-Committee, PRBA and RECHARGE prepared new proposed amendments to LP903 for the Sub-Committee's consideration.
- 2. As noted in ST/SG/AC.10/C.3/2021/28, the lithium ion battery industry will see significant growth over the next ten years as new "giga-factories" are constructed in many parts of the world. These factories will each have the capability of producing billions of lithium ion cells annually for portable, industrial, and electric vehicle applications. To accommodate such growth, it is imperative that the limitation to one cell, battery, or item of equipment per large packaging currently included in LP903 be removed.
- 3. The comments PRBA and RECHARGE received in response to ST/SG/AC.10/C.3/2021/28 focused primarily on the use of inner packaging and the need to limit the large packagings to cell, battery, and equipment designs the packaging was tested to accommodate. PRBA and RECHARGE also have not included any requirements associated with the energy content of cells and batteries based on several requests from members of the Sub-Committee.



^{*} A/75/6 (Sect.20), para. 20.51

Proposal

4. PRBA and RECHARGE therefore propose to amend 4.1.4.3 on packing instruction LP903 as follows (new text is underlined, deleted text is stricken-through):

LP903 PACKING INSTRUCTION LP903

This instruction applies to UN Nos. 3090, 3091, 3480 and 3481

The following large packagings are authorized for <u>cells</u>, a <u>single</u> batter<u>yies</u> and for a <u>single</u> item of equipment containing batteries, provided that the general provisions of **4.1.1** and **4.1.3** are met:

Rigid large packagings conforming to the packing group II performance level, made of:

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steel (50A);
aluminium (50B);
metal other than steel or aluminium (50N);
rigid plastics (50H);
natural wood (50C);
plywood (50D);
reconstituted wood (50F);
rigid fibreboard (50G).
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The Cells, batteryies or the equipment shall be placed in inner packaging that completely enclose and separate them to ensure packed so that the battery or the equipment is protectedion against damage that may be caused by its movement or placement within the large packaging.

Additional requirements:

Cells and batteries shall be protected against short circuit.

The large packaging shall only be used to transport cell, battery, or equipment designs the packaging was originally designed and tested to accommodate.