

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

29 June 2022

### Sub-Committee of Experts on the Transport of Dangerous Goods

#### Sixtieth session

Geneva, 27 June-6 July 2022

Item 4 (c) of the provisional agenda

**Electric storage systems: transport provisions**

## Proposed amendments to packing instruction LP903

**Submitted by PRBA – The Rechargeable Battery Association and RECHARGE – the Advanced Rechargeable and Lithium Batteries Association<sup>1</sup>**

### Introduction

1. This informal document reflects the requested edits we received on ST/SG/AC.10/C.3/2022/37. The edits include the following:

- The following underlined text was added at the beginning of the Packing Instruction: “This instruction applies to large cells with a gross mass of more than 500 grams and batteries with a gross mass of more than 12 kg of UN Nos. 3090, 3091, 3480 and 3481”
- Adding “large” in the second sentence: “The following large packagings are authorized for large cells, batteries...”
- Deleting “or” and replacing it with “and” in the following sentence: “(2) contact with other cells, batteries or equipment within the large packaging; and”
- Changing “plastic” in the following sentence as an example of the type of bag that could be used (e.g.,...): “When cells, or multiple batteries or items of equipment, are packed in the large packaging, ~~plastic~~ bags (e.g., plastic) alone shall not be used to satisfy these requirements.”
- The following sentence under “Addition requirements” was deleted: “Only large cells and batteries, as defined in 38.3.2.3 of the Manual of Tests and Criteria shall be transported under this packing instruction”

## Proposal

LP903	PACKING INSTRUCTION	LP903
	<p>This instruction applies to <u>large cells with a gross mass of more than 500 grams and large batteries with a gross mass of more than 12 kg of UN Nos. 3090, 3091, 3480 and 3481.</u></p>	
	<p>The following large packagings are authorized for <u>large cells, a single batteryies and for a single item of equipment containing batteries, provided that the general provisions of 4.1.1 and 4.1.3 are met:</u></p> <p>Rigid large packagings conforming to the packing group II performance level, made of:</p> <ul style="list-style-type: none"> <li>steel (50A);</li> <li>aluminium (50B);</li> <li>metal other than steel or aluminium (50N);</li> <li>rigid plastics (50H);</li> <li>natural wood (50C);</li> <li>plywood (50D);</li> <li>reconstituted wood (50F);</li> <li>rigid fibreboard (50G).</li> </ul> <p><u>The Cells, batteryies or the equipment shall be placed in inner packagings or separated by other suitable means, such as placement in trays or by dividers, to ensure packed so that the battery or the equipment is protectedion against damage that may be caused under normal conditions of transport by:</u></p> <ol style="list-style-type: none"> <li>(1) <del>its</del> movement or placement within the large packaging;</li> <li>(2) <u>contact with other cells, batteries or equipment within the large packaging; and</u></li> <li>(3) <u>from any loads arising from the superimposed weight of cells, batteries, equipment and packaging components above the cell, battery or equipment within the large packaging.</u></li> </ol> <p><u>When cells, or multiple batteries or items of equipment, are packed in the large packaging, bags (e.g., plastics) alone shall not be used to satisfy these requirements.</u></p>	
	<p><b>Additional requirements:</b></p> <p><u>Cells and batteries shall be protected against short circuit.</u></p>	