



WORKING PAPER

**DANGEROUS GOODS PANEL (DGP)
MEETING OF THE WORKING GROUP OF THE WHOLE**

Montréal, 15 to 19 April 2013

Agenda Item 2: Development of recommendations for amendments to the *Technical Instructions for the Safe Transport of Dangerous Goods by Air* (Doc 9284) for incorporation in the 2015-2016 Edition
2.4 : Part 4 — Packing Instructions

**PACKAGE MASS LIMITS ON LITHIUM ION AND
LITHIUM METAL CELLS AND BATTERIES**

(Presented by PRBA-The Rechargeable Battery Association)

SUMMARY

This paper proposes a change to the mass limits for lithium ion and lithium metal cells and batteries transported in accordance with Section IB of Packing Instruction 965 and Section IB of Packing Instruction 968.

Action by the DGP-WG is in paragraph 2.

1. INTRODUCTION

1.1 The significant revisions to the lithium battery Packing Instructions adopted at the 6 to 10 February 2012 Working Group of the Whole on Lithium Batteries included new Sections IA and IB and revisions to Section II for Packing Instructions 965 and 968. In addition, a new net quantity mass limit of 5 kg per package (applicable only to mass of cells and batteries) was added to Section II of Packing Instructions 966, 967, 969 and 970.

1.2 The package mass limitations that apply to lithium ion and lithium metal cells and batteries in Packing Instructions 965 – 970 are generally based on the net quantity of cells or batteries per package. There are two exceptions to this rule: Section II of Packing Instructions 965 and 968 places a numerical limit of eight cells or two batteries per package; and Sections IB cells and batteries of Packing Instructions 965 and 968 are regulated based on the gross mass of the package.

1.3 Regulating Section IB cells and batteries in Packing Instructions 965 and 968 based on the gross mass of the package is not consistent with Section IA of these Packing Instructions or the mass limitations in Section II of Packing Instructions 966, 967, 969 and 970. In order to provide consistency

between the Packing Instructions with regard to mass limitations, we propose to change the mass limitations in Section IB of Packing Instructions 965 and 968 from being expressed as gross mass of the package to net mass of cells or batteries per package as noted below.

2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to consider amendments to Section IB of Packing Instruction 965 and Section IB of Packing Instruction 968 as shown below.

Packing Instruction 965		
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IB.1 General requirements		
Cells and batteries must be packed in strong outer packagings that conform to Part 4;1.1.1, 1.1.3.1 and 1.1.10 (except 1.1.10.1).		
Table 965-IB		
Contents	<i>Net quantity per package quantity</i>	
	Passenger	Cargo
Lithium ion cells and batteries	10 kg G	10 kg G

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Packing Instruction 968		
IB.1 General requirements		
Cells and batteries must be packed in strong outer packagings that conform to Part 4;1.1.1, 1.1.3.1 and 1.1.10 (except 1.1.10.1).		
Table 968-IB		
Contents	<i>Net quantity per package quantity</i>	
	Passenger	Cargo
Lithium metal cells and batteries	2.5 kg G	2.5 kg G

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