



WORKING PAPER

**DANGEROUS GOODS PANEL (DGP)
WORKING GROUP MEETING (DGP-WG/19)**

Montréal, 1 to 5 April 2019

Agenda Item 1: Harmonizing ICAO dangerous goods provisions with UN Recommendations on the Transport of Dangerous Goods

1.2: Develop proposals, if necessary, for amendments to the *Technical Instructions for the Safe Transport of Dangerous Goods by Air* (Doc 9284) for incorporation in the 2021-2022 Edition

SPECIAL PROVISION A213

(Presented by Teun Muller)

SUMMARY

Special Provision A213 requires lithium batteries containing both lithium metal and lithium ion cells to be classified as lithium metal batteries. It also sets lithium content and total capacity limits for all cells in these batteries when transported in accordance with Section II of Packing Instructions 968, 969 and 970. It does not set limits on the lithium content and total capacity for the cells when transported in accordance with Section IB of Packing Instruction 968. An amendment to Special Provision A213 is proposed to address this apparent anomaly.

Action by the DGP-WG: The DGP-WG is invited to consider the amendment proposed in the appendix to this working paper.

1. INTRODUCTION

1.1 Special Provision A213 was introduced in the 2019-2020 Edition of the Technical Instructions in order to align with special provision 387 of the UN Model Regulations. The provision includes classification criteria for lithium batteries containing both primary lithium metal cells and rechargeable lithium ion cells. The equivalent special provision 387 in the UN Recommendations reads as follows:

“387 Lithium batteries in conformity with 2.9.4 (f) containing both primary lithium metal cells and rechargeable lithium ion cells shall be assigned to UN Nos. 3090 or 3091 as appropriate. When such batteries are transported in accordance with special provision 188, the total lithium content of all lithium metal cells contained in the battery shall not exceed 1.5 g and the total capacity of all lithium ion cells contained in the battery shall not exceed 10 Wh.”

1.2 The provisions of special provision 188 of the UN Model Regulations, as referenced in SP387 above, are incorporated in the Technical Instructions in Sections IB and II of Packing Instructions 965 and 968 and Section II of Packing Instructions 966, 967, 969 and 970. The reference to special provision 188 has therefore been modified in Special Provision A213 of the Technical Instructions as follows:

A213 (387) Lithium batteries in conformity with 2.9.3 f) containing both primary lithium metal cells and rechargeable lithium ion cells must be assigned to UN Nos. 3090 or 3091 as appropriate. When such batteries are transported in accordance **with Section II of Packing Instruction 968, 969 or 970**, the total lithium content of all lithium metal cells contained in the battery must not exceed 1.5 g, and the total capacity of all lithium ion cells contained in the battery must not exceed 10 Wh.

1.3 The same limitations regarding lithium content apply to lithium metal batteries transported in accordance with either Section IB or Section II. For this reason, it is believed that Section IB of Packing Instruction 968 must also be referenced in Special Provision A213.

2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to consider the amendment proposed in the appendix to this working paper.

APPENDIX

PROPOSED AMENDMENT TO PART 3 OF THE TECHNICAL INSTRUCTIONS

Part 3

DANGEROUS GOODS LIST, SPECIAL PROVISIONS AND LIMITED AND EXCEPTED QUANTITIES

...

Chapter 3

SPECIAL PROVISIONS

...

Table 3-2. Special provisions

TIs *UN*

...

A213 (387) Lithium batteries in conformity with 2.9.3 f) containing both primary lithium metal cells and rechargeable lithium ion cells must be assigned to UN Nos. 3090 or 3091 as appropriate. When such batteries are transported in accordance with Section IB or II of Packing Instruction 968, or in accordance with Section II of Packing Instruction 969 or 970, the total lithium content of all lithium metal cells contained in the battery must not exceed 1.5 g, and the total capacity of all lithium ion cells contained in the battery must not exceed 10 Wh.

...

— END —