



DANGEROUS GOODS PANEL (DGP)

TWENTY-EIGHTH MEETING

Virtual, 15 to 19 November 2021

Agenda Item 4: Managing safety risks posed by the carriage of lithium batteries by air (Ref: Job Card DGP.003.03)

CLARIFICATION OF PACKAGING PERFORMANCE FOR SECTION II OF PACKING INSTRUCTIONS 966 AND 969

(Presented by D. Brennan)

SUMMARY

This working paper proposes that the changes adopted at DGP-WG/21 to rationalize the packaging performance requirements for Section II of Packing Instructions 967 and 970 also be adopted into Packing Instructions 966 and 969.

Action by the DGP: The DGP is invited to consider the amendments to Section II of Packing Instructions 966 and 969 as shown in the appendix to this working paper.

1. INTRODUCTION

1.1 At the DGP Working Group Meeting in 2021 (Virtual, 24 to 28 May 2021, (DGP-WG/21)), changes were adopted to Section II of Packing Instructions 967 and 970 to combine two sentences related to the standard for packagings into a single sentence that specified that the packagings must be “strong rigid” and that they must conform to Part 4;1.1.1, 1.1.3.1 and 1.1.10 (except 1.1.10.1), see DGP-WG/21 report paragraph 3.3.1.1 and Appendix C, pages C-13 and C-16.

1.2 The combination of the two sentences in Packing Instructions 967 and 970 was not in the original working paper submitted to DGP-WG/21, rather the revised text adopted was developed as a result of the discussion of the working paper at DGP-WG/21. What was overlooked at the time was that the same sentence structure exists in Section II of Packing Instructions 966 and 969.

1.3 This working paper proposes to address that by aligning the requirement for the standard of the packaging in Section II of Packing Instructions 966 and 969 to that adopted into Packing Instructions 967 and 970 by combining the sentence under “II.1 General requirements” with the revised sentence that was adopted at DGP-WG/21, being the first bullet item after “II.2 Additional requirements”.

1.4 It is believed that the current sentence under II.1 General requirements is in any case inappropriate as it states that “cells and batteries must be packed in strong outer packagings ...”, except that these packing instructions apply to lithium cells and batteries packed with equipment and the packaging containing the cells or batteries is not the “outer packaging” but rather is an inner packaging.

2. ACTION BY THE DGP

2.1 The DGP is invited to consider the amendments to Section II of Packing Instructions 966 and 969 as shown in the appendix to this working paper.

APPENDIX

PROPOSED AMENDMENT TO PART 4 OF THE TECHNICAL INSTRUCTIONS

Part 4

PACKING INSTRUCTIONS

Packing Instruction 966

Passenger and cargo aircraft for UN 3481 (packed with equipment) only

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II. SECTION II

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II.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).~~

II.2 Additional requirements

The following proposed amendment is based
on text agreed at DGP-WG/21:

- Lithium ion cells and batteries must be placed in inner packagings that completely enclose the cell or battery, then placed with the equipment in a strong rigid outer packaging that conforms to Part 4;1.1.1, 1.1.3.1 and 1.1.10 (except 1.1.10.1).

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Packing Instruction 969

Passenger and cargo aircraft for UN 3091 (packed with equipment) only

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II. SECTION II

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II.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).~~

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II.2 Additional requirements

The following proposed amendment is based
on text agreed at DGP-WG/21:

— Lithium metal cells and batteries must be placed in inner packagings that completely enclose the cell or battery, then placed with the equipment in a strong rigid outer packaging that conforms to Part 4;1.1.1, 1.1.3.1 and 1.1.10 (except 1.1.10.1).

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