



WORKING PAPER

DANGEROUS GOODS PANEL (DGP)

TWENTY-THIRD MEETING

Montréal, 11 to 21 October 2011

Agenda Item 5: Resolution, where possible, of the non-recurrent work items identified by the Air Navigation Commission or the panel:

5.1: Review of provisions for the transport of lithium batteries

SECTION II LITHIUM BATTERIES – LOADING REQUIREMENTS

(Presented by G. A. Leach)

SUMMARY

This working paper proposes addition to Section II of the packing instructions applicable to lithium batteries to require compliance with the requirements for operators concerning securing in an aircraft and protection from damage.

Action by the DGP: The DGP is invited to consider the options presented in the appendix to this working paper to amend the text agreed at DGP-WG/11 to Section II of Packing Instructions 965, 966, 967, 968, 969 and 970.

1. INTRODUCTION

1.1 Lithium cells and batteries that comply with Section II of Packing Instructions 965, 966, 967, 968, 969 and 970 are not subject to other additional requirements of the Technical Instructions.

1.2 As a result, 'Section II' lithium cells and batteries are not subject to the requirements applicable to the operator, including Part 7;2.4.2 of the Technical Instructions requiring the operator to secure dangerous goods in a manner that will prevent any movement, and Part 7;2.4.3 Technical Instructions, which requires the operator to protect packages from being damaged, including by the movement of baggage, mail, stores or other cargo.

1.3 It is suggested that this should be addressed so that consignments that bear the lithium battery handling label are subject to the requirements for securing of packages and protecting them from damage. This would apply to all Section II lithium batteries except those contained in equipment with no more than four cells or two batteries, since the handling label is not required for those batteries and the cells and batteries are afforded some protection by the equipment that they are in.

1.4 At the DGP Working Group of the Whole Meeting in Atlantic City (DGP-WG/11, 4 to 8 April 2011), additional wording was proposed for Section II of the packing instructions relating to lithium cells and batteries to require compliance with various other parts of the Technical Instructions (DGP/23-WP/3, paragraph 3.2.3.1 refers), and so it is proposed that an amendment to the text that was agreed at DGP-WG/11 be made.

APPENDIX

AMENDMENTS TO THE TECHNICAL INSTRUCTIONS

Part 4

PACKING INSTRUCTIONS

1. Amend the text agreed at DGP-WG/11 to Section II of Packing Instructions 965, 966, 968 and 969:

Editorial Note.— 1. Revisions to DGP-WG/11 amendment are presented as shaded text.
2. Replace “Lithium ion” with “Lithium metal” in amendments to Packing Instructions 968 and 969.

Option 1:

SECTION II

With the exception of Part 1:2.3 (Transport of dangerous goods by post), 7:2.4.2 (Securing of dangerous goods), 7:2.4.3 (General loading requirements), 7:4.4 (Reporting of dangerous goods accidents and incidents) and 8:1.1 (Provisions for dangerous goods carried by passengers or crew), Lithium ion cells and batteries offered for transport are not subject to other additional requirements of these Instructions if they meet the requirements of this section.

Or,

Option 2:

SECTION II

Lithium ion cells and batteries offered for transport ~~are not subject to other additional requirements of these Instructions if they that~~ meet the requirements of this section are not subject to other additional requirements of these Instructions with the exception of:-

- 1) Part 1:2.3 (Transport of dangerous goods by post);
- 2) Part 7:2.4.2 (Securing of dangerous goods);
- 3) Part 7:2.4.3 (General loading requirements);
- 4) Part 7:4.4 (Reporting of dangerous goods accidents and incidents); and
- 5) Part 8:1.1 (Provisions for dangerous goods carried by passengers or crew).

2. The DGP is also invited to consider the following options to amend the text agreed at DGP-WG/11 to Section II of Packing Instructions 967 and 970:

Editorial Note.— 1. Additional revisions to DGP-WG/11 amendment are presented as shaded text.
2. Replace “Lithium ion” with “Lithium metal” for amendment to Packing Instruction 970.

Option 1:

SECTION II

With the exception of Part 1:2.3 (Transport of dangerous goods by post), 7:4.4 (Reporting of dangerous goods accidents and incidents), 8:1.1 (Provisions for dangerous goods carried by passengers or crew), and, for packages bearing the lithium battery handling label, 7:2.4.2 (Securing of dangerous goods) and 7:2.4.3 (General loading requirements), lithium metal cells and batteries contained in equipment offered for transport are not subject to other additional requirements of these Instructions if they meet the requirements of this section.

Or,

Option 2

SECTION II

Lithium ion cells and batteries offered for transport ~~are not subject to other additional requirements of these Instructions if they that~~ meet the requirements of this section are not subject to other additional requirements of these Instructions with the exception of:-

- 1) Part 1:2.3 (Transport of dangerous goods by post);
- 2) Part 7:2.4.2 (Securing of dangerous goods);
- 3) Part 7:2.4.3 (General loading requirements);
- 4) Part 7:4.4 (Reporting of dangerous goods accidents and incidents); and
- 5) Part 8:1.1 (Provisions for dangerous goods carried by passengers or crew).

Subparagraphs 2) and 3) above only apply to packages required to bear the lithium battery handling label.

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