



WORKING PAPER

DANGEROUS GOODS PANEL (DGP)

TWENTY-SECOND MEETING

Montréal, 5 to 16 October 2009

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 2011-2012 Edition

**TRANSPORTATION OF DANGEROUS GOODS IN
NON-PRESSURIZED CARGO HOLDS**

(Presented by D. Mirko)

SUMMARY

This paper proposes amendment to the Note in Part 7 of the Technical Instructions to clarify transportation procedures of dangerous goods in non-pressurized cargo compartments.

Action by the DGP: The DGP is invited to amend the Note under Part 7;2.4.1.2 as presented in the appendix.

1. INTRODUCTION

1.1 Two proposals on the transport of dangerous goods in non-pressurized cargo hold were made at the DGP Working Group of the Whole Meeting in Auckland (DGP-WG09, 4 to 8 May 2009). The working group preferred the proposal to amend the Note under 7;2.4.1 in addition to Note 3 under the Introductory Notes of Part 4 (DGP/22-WP/3, paragraph 3.2.15). The new text under 7;2.4.1 cannot be accepted without amendment.

1.2 If dangerous goods are transferred from pressurized aircraft to non-pressurized aircraft, the pressure differential will damage their packages, because packages are generally prepared for transport in pressurized aircraft. The operator must ensure that packages, receptacles and packagings are suitable for non-pressurized transport.

APPENDIX

AMENDMENT TO THE TECHNICAL INSTRUCTIONS

Part 7

OPERATOR'S RESPONSIBILITIES

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Chapter 2

STORAGE AND LOADING

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2.4 LOADING AND SECURING OF DANGEROUS GOODS

2.4.1 Loading on cargo aircraft

2.4.1.1 Packages or overpacks of dangerous goods bearing the "Cargo aircraft only" label must be loaded on a cargo aircraft in accordance with one of the following provisions:

- a) in a Class C aircraft cargo compartment; or
- b) in a unit load device equipped with a fire detection/suppression system equivalent to that required by the certification requirements of a Class C aircraft cargo compartment as determined by the appropriate national authority; or
- c) in such a manner that in the event of an emergency involving such packages or overpacks, a crew member or other authorized person can access those packages or overpacks, and can handle and, where size and mass permit, separate such packages or overpacks from other cargo.

2.4.1.2 The requirements of 2.4.1.1 do not apply to:

- a) substances of Class 3, Packing Group III, without a subsidiary risk;
- b) toxic and infectious substances (Class 6);
- c) radioactive material (Class 7);
- d) miscellaneous dangerous goods (Class 9).

Note — When transporting goods in a non-pressurized cargo hold, there will be a large pressure differential at high altitudes up to 75 kPa at cruise altitudes. Packages that are filled at a normal atmospheric pressure may not be capable of withstanding this pressure differential. Confirmation of the suitability of the packaging~~s~~ from the shipper ~~may be~~ is required.

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