



WORKING PAPER

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

Abu Dhabi, United Arab Emirates, 7 to 11 November 2010

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 2013/2014 Edition

2.4: Part 4 — Packing Instructions

**PACKAGINGS FOR SOLIDS WHICH MAY BECOME LIQUID DURING
TRANSPORT**

(Presented by D. Brennan)

SUMMARY

This working paper proposes a clarification to the text regarding packagings which must be used for solids that may become liquid during transport.

Action by the DGP-WG is in paragraph 2.

1. INTRODUCTION

1.1 Paragraph 1.1.17 in Part 4 of the Technical Instructions makes provision for solids which may become liquid at temperatures encountered during transport, and requires that the packagings used for such solids must be capable of containing the substance in the liquid state.

1.2 The text of this paragraph has been interpreted by some shippers as permitting, or even requiring, the use of packagings approved for liquids where the packing instruction for the substance permits the use of single packagings.

1.3 The provisions of the Technical Instructions and the UN Model Regulations make no reference or provision for a shipper to be able to use a single packaging approved for liquids to ship solid substances, although such provisions do appear in at least one State's national regulations.

2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to provide comments on the application of Part 4;1.1.17 and whether there is a need to provide additional guidance to shippers and cargo acceptance staff on which types of single packagings are permitted. For example, if the DGP-WG believes that only single

packagings for solids are permitted whether a note to that effect should be added under 4;1.1.17 as follows:

1.1.17 Packagings used for solids which may become liquid at temperatures encountered during air transport must also be capable of containing that substance in the liquid state.

Note 1.— Packagings for solids (both inner and single) which may be permitted by the applicable packing instruction should not be used if they are unsuitable for containing liquids (e.g. paper or plastic bags as inner packagings, unlined fibre drums as single packagings, should not be used).

Note 2.— Where single packagings are permitted for such substances, only single packagings approved for solid substances may be used.

2.2 If the DGP-WG believes that clarification is required on the application of 4;1.1.17, the working group is invited to request that the Secretary raise this issue with the UN Subcommittee by way of an INF paper to the thirty-eight session of the UN Subcommittee.

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