



WORKING PAPER

DANGEROUS GOODS PANEL (DGP)

TWENTIETH MEETING

Montréal, 24 October to 04 November 2005

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 2007-2008 Edition

SELECTIVE TESTING OF PACKAGINGS

(Presented by G.A. Leach)

1. INTRODUCTION

1.1 Paragraphs 6.3.2.7 and 6.3.2.8 of the UN Model Regulations provide for the selective testing of packaging and the use of packagings in a configuration which differs slightly from the tested version. For unknown reasons, this paragraph has not been reproduced in Part 6 of the Technical Instructions and it is suggested this is an omission.

2. PROPOSAL

2.1 Add the text of paragraph 6.3.2.7 of the UN Model Regulations as a new paragraph 6.3

6.3 SELECTIVE TESTING

6.3.1 The competent authority may permit the selective testing of packagings that differ only in minor respects from a tested type, e.g. smaller sizes of inner packagings or inner packagings of lower net mass; and packagings such as drums, bags and boxes which are produced with small reductions in external dimension(s);

6.3.2 Provided an equivalent level of performance is maintained, the following variations in the primary receptacles placed within a secondary packaging are allowed without further testing of the completed package:

- a) Primary receptacles of equivalent or smaller size as compared to the tested primary receptacles may be used provided:
 - (i) The primary receptacles are of similar design to the tested primary receptacle (e.g. shape: round, rectangular, etc.);
 - (ii) The material of construction of the primary receptacle (glass, plastics, metal, etc.) offers resistance to impact and stacking forces equal to or greater than that of the originally tested primary receptacle;
 - (iii) The primary receptacles have the same or smaller openings and the closure is of similar design (e.g. screw cap, friction lid, etc.);
 - (iv) Sufficient additional cushioning material is used to take up void spaces and to prevent significant movement of the primary receptacles; and
 - (v) Primary receptacles are oriented within the secondary packaging in the same manner as in the tested package;

- b) A lesser number of the tested primary receptacles, or of the alternative types of primary receptacles identified in (a) above, may be used provided sufficient cushioning is added to fill the void space(s) and to prevent significant movement of the primary receptacles

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