



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

QUANTITY AND TYPE OF PACKAGING

(Presented by J. Abouchaar)

1. INTRODUCTION

1.1 At DGP-WG/04 and WG/05 papers (DGP-WG/04-WP/16 and DGP-WG/05-WP/42) were presented proposing that the text of Part 5;4.1.5.1 be amended to require that the shipper provide the net quantity of dangerous goods contained in every package rather than the total quantity of dangerous goods covered by the description on the dangerous goods document. This proposal was put forward as the current wording in 5;4.1.5.1 does not:

- provide sufficient information for the operator to meet the requirements of 7; 4.1 f) with respect to information to the Pilot-in-Command; and
- the current text severely limit the ability of the operator to conduct a proper acceptance check of the consignment and verify that the quantity per package does not exceed the quantity allowed in column 10 or 12 of table 3-1.

1.2 While there was recognition at the working group meetings that the current wording of 5; 4.1.5.1 was an issue there was no agreement with the text proposed.

1.3 Based on comments provided to the author at DGP-WG/05, the proposed amendments to 5; 4.1.5.1 have been revised and the Panel is asked to consider the following:

2. PROPOSAL 1

2.1 Delete the existing Part 5; 4.1.5.1 and replace with the following:

4.1.5.1 *Quantity of dangerous goods, number and type of packagings*

The number of packages, type of packaging (e.g. steel drum, fibreboard box, etc.) and net quantity of dangerous goods in each package (by volume or mass as appropriate) must be indicated for each item of dangerous goods bearing a different proper shipping name, UN number or packing group. Abbreviations may be used to specify the unit of measurement for the quantity. For packages containing the same dangerous goods and quantity per package a multiple of the quantity may be used. For example:

UN 1263, Paint, 3, PG II, 5 fibreboard boxes x 5 L

Consignment comprising packages of different quantities of the same dangerous good must be clearly identified. For example:

UN 1263, Paint, 3, PG II, 5 fibreboard boxes x 5 L, 10 fibreboard boxes x 10 L

UN packaging codes may only be used to supplement the description of the kind of package (e.g. one fibreboard box (4G)). Where the letter “G” follows the quantity in column 10 or 12 of Table 3-1 the gross mass of each package must be indicated, rather than the net quantity; and:

- a) for empty uncleaned packagings as described by 4.1.4.3b) only the number and type of packagings need be shown;
- b) for chemical kits and first aid kits, the total net mass of dangerous goods. Where the kits contain solids and/or liquids, the net mass of liquids within the kits is to be calculated on a 1 to 1 basis of their volume, i.e. 1 litre equal to 1 kilogram;
- c) for dangerous goods in machinery or apparatus, the individual total quantities of dangerous goods in solid, liquid or gaseous state, contained in the article;
- d) for dangerous goods transported in salvage packagings, an estimate of the quantity of dangerous goods must be given;
- e) for items where “No Limit” is shown in column 10 or 12 the quantity shown should be the net mass or volume of the substance, except for UN 2800, UN 2807, UN 3072, UN 3166 and UN 3171 where the quantity shown should be the gross mass of the article.

2.2 Delete items e) and f) of 5;4.1.2.2

3. PROPOSAL 2

3.1 If the Panel accepts the wording of Proposal 1, the Panel is asked to direct the Secretary to communicate the decision to the UNSCETDG and request that the Subcommittee consider the amendments adopted by the DGP either as a formal amendment to 5.4.1.5.1 of the UN Model Regulations or, for the Subcommittee to add a note to 5.4.1.5.1 identifying that for the air mode the dangerous goods transport document must show the number and type of packagings and the net quantity of dangerous goods.