



WORKING PAPER

DANGEROUS GOODS PANEL (DGP)

TWENTY-THIRD MEETING

Montréal, 11 to 21 October 2011

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

DRAFT AMENDMENTS OF THE TECHNICAL INSTRUCTIONS TO ALIGN TO THE UN RECOMMENDATIONS — PART 5

(Presented by the Secretary)

SUMMARY

This working paper contains draft amendments to Part 5 of the Technical Instructions to reflect the decisions taken by the UN Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals at its fifth session (Geneva, 10 December 2010). It also reflects amendments agreed by DGP-WG/10 (Abu Dhabi, United Arab Emirates, 7 to 11 November 2010) and DGP-WG/11 (Atlantic City, United States, 4 to 8 April 2011).

The DGP is invited to agree to the draft amendments in this working paper.

Part 5

SHIPPER'S RESPONSIBILITIES

Chapter 1

GENERAL

...

DGP/23-WP/3, paragraph 3.2.8:

1.1 GENERAL REQUIREMENTS

Before a person offers any package or overpack of dangerous goods for transport by air that person must ensure that:

- a) the articles or substances are not ~~prohibited~~ forbidden for transport by air (see Part 1, Chapter 2);

...

DGP/23-WP/3, paragraph 3.2.34:

Chapter 2

PACKAGE MARKINGS

Parts of this Chapter are affected by State Variations CA 4, DQ 4, ES 1, HK 2, MY 6, PK 1, US 1, US 7, VC 5, VU 1; see Table A-1

...

2.4.1.1 Unless otherwise provided in these Instructions, the proper shipping name of the dangerous goods (supplemented with the technical name(s) if appropriate, see Part 3, Chapter 1) and, when assigned, the corresponding UN number preceded by the letters "UN" or "ID", as appropriate, must be displayed on each package. The UN number and the letters "UN" must be at least 12 mm high, except for packagings of 30 litres or 30 kg capacity or less, when they must be at least 6 mm in height and for packagings of 5 litres or 5 kg or less when they must be of an appropriate size. In the case of unpackaged articles, the marking must be displayed on the article, on its cradle or on its handling, storage or launching device. A typical package marking would be:

"Corrosive liquid, acidic, organic, n.o.s. (caprylyl chloride) UN 3265".

Note.— The size requirements for the UN number marking will become mandatory from 1 January 2014.

...

Chapter 4

DOCUMENTATION

Parts of this Chapter are affected by State Variations AE 1, BN 1, CA 4, CA 14, CA 15, CA 16, CA 20, ES 1, HK 2, JM 2, JM 3, MY 6, PK 3, US 1, US 7, US 12, VC 7, VU 1, ZA 3; see Table A-1

...

4.1.5 Information required in addition to the dangerous goods description

...

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

DGP/23-WP/3, paragraphs 3.2.36 and 3.2.12:

UN packaging codes may only be used to supplement the description of the kind of package (e.g. one fibreboard box (4G)). For limited quantities, Where the letter “G” follows the quantity in column 11 ~~or 13~~ of Table 3-1 the gross mass of each package must be indicated, rather than the net quantity, except when there are different dangerous goods packed together in the same outer packaging, which must be described as shown in paragraph e); and:

- a) for empty uncleaned packagings as described by 4.1.4.3 b) 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” or a packing instruction number is shown in columns 10 to 13 of Table 3-1, the quantity must be for dangerous goods in limited quantity with a 30 kg G limit in Table 3-1, where different dangerous goods are packed together in the same outer packaging, the net quantity of each dangerous goods followed by the gross mass of the completed package;

~~1) for substances the net mass or volume (e.g. UN 2969, UN 3291);~~

~~2) for UN 3091 and UN 3481 when packed with equipment in accordance with Packing Instructions 969 and 966 respectively, the net quantity of battery(ies) per package; and~~

~~3) for other articles the gross mass, followed by the letter G (e.g. UN 2794, UN 2800, UN 2990, UN 3166);~~

- f) for explosive articles of Class 1, the net quantity indicated for each package must be supplemented with the net explosive mass (see Part 1;3.1.1 for the definition of net explosive mass) contained in the package followed by the unit of measurement. The abbreviations “NEQ”, “NEM” or “NEW” may be indicated in association with the value provided.

Note.— The number, type and capacity of each inner packaging within the outer packaging of a combination packaging is not required to be indicated.

...

DGP/23-WP/3, paragraph 3.2.34:

Insert new paragraph 4.1.5.6

4.1.5.6 Firework classification reference

4.1.5.6.1 When fireworks of UN Nos. 0336 or 0337 are transported, the dangerous goods transport document must include a classification reference(s) issued by the appropriate national authority.

4.1.5.6.2 The classification reference(s) must consist of the appropriate national authority's State, indicated by the distinguishing sign for motor vehicles in international traffic, the appropriate national authority identification and a unique serial reference. Examples of such classification references are:

GB/HSE123456
D/BAM1234
USA EX20091234.

Renumber subsequent paragraphs accordingly

...

| 4.1.5.78 *Additional requirements*

| 4.1.5.78.1 The dangerous goods transport document must also contain:

1. a) the packing instruction applied and, when applicable, reference to Special Provision A1 or A2, except for radioactive material;

~~*Note.— Until 31 March 2011, the shipper may present for transport packages prepared for transport before 31 December 2010 using packing instructions in the 2009-2010 Edition of these Instructions. In that instance, the dangerous goods transport document must indicate the packing instruction number in effect from the 2009-2010 Edition of these Instructions.*~~

...

— END —