DANGEROUS GOODS PANEL (DGP)

MEETING OF THE WORKING GROUP OF THE WHOLE

Abu Dhabi, 4 to 8 October 2004

Agenda Item 2: Development of recommendations for amendments to the *Technical Instructions* for incorporation in the 2007/2008 edition
2.3: Part 3 — Dangerous Goods List and Limited Quantities Exceptions
2.4: Part 4 — Packing Instructions

DRY ICE CONTAINED IN A UNIT LOAD DEVICE

(Presented by J. Abouchaar)

1. INTRODUCTION

1.1 Part 7;1.1.1c) permits an operator to accept a unit load device or other type of pallet containing dry ice as a refrigerant for other than dangerous goods. There is nothing however in Packing Instruction 904 to identify to a shipper that this provision exists.

1.2 In addition, the quantity limit shown for both passenger and cargo aircraft for dry ice in Table 3-1 is 200 kg. This being the net quantity of dry ice permitted in a single package. However, when using the option of loading the dry ice directly into a unit load device to refrigerate non-dangerous goods the dry ice is often not packaged, but placed in loose. There is nothing in the Technical Instructions that identifies that this practice is permissible.

2. PROPOSAL 1

2.1 Add a new Special Provision AXX against UN 1845 as follows:

AXX The quantity limit shown in columns 10 and 12 of Table 3-1 do not apply when the dry ice is being used as a refrigerant for other than dangerous goods and the dry ice is loaded into a unit load device or other type of pallet, provided that the shipper has made prior arrangements with the operator(s). When loaded into a unit load device or other type of pallet, the dry ice is not subject to the general packing requirements of Part 4, Chapter 1, provided that the unit load device or other type of pallet meets the general packing requirements of Part 4, Chapter 1.

3. **PROPOSAL 2**

3.1 Modify Packing Instruction 904 as follows:

904	PACKING INSTRUCTION 904	904

Solid carbon dioxide (dry ice) when offered for transport by air must be packed in accordance with the general packing requirements of Part 4, Chapter 1 and be in packaging designed and constructed to permit the release of carbon dioxide gas to prevent a build-up of pressure that could rupture the packaging. Arrangements between shipper and operator(s) must be made for each shipment, to ensure that ventilation safety procedures are followed. The dangerous goods transport document requirements of Part 5 , Chapter 1 are not applicable provided alternative written documentation is supplied containing the following information: proper shipping name (**Dry ice** or **Carbon dioxide, solid**), class 9, UN number 1845, the number of packages and the net quantity of dry ice in each package. The information must be included with the description of the goods. The net mass of the **Carbon dioxide, solid** (**Dry ice**) must be marked on the outside of the package.

Dry ice when used as a refrigerant for other than dangerous goods may be shipped in a unit load device or other type of pallet prepared by a single shipper, provided that the shipper has made prior arrangements with the operator(s). When loaded directly into a unit load device or other type of pallet, the dry ice is not subject to the general packing requirements of Part 4, Chapter 1, provided that the unit load device or other type of pallet meets the general packing requirements of Part 4, Chapter 1.

Note.— For loading restrictions see 7;2.11; for special marking requirement see 5;2.4.7.

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