



Secretariat

Distr.
GENERAL

ST/SG/AC.10/C.3/2009/32
3 September 2009

Original: ENGLISH

**COMMITTEE OF EXPERTS ON THE TRANSPORT OF
DANGEROUS GOODS AND ON THE GLOBALLY
HARMONIZED SYSTEM OF CLASSIFICATION
AND LABELLING OF CHEMICALS**

Sub-Committee of Experts on the
Transport of Dangerous Goods

Thirty-sixth session
Geneva, 30 November – 9 December 2009
Item 5 of the provisional agenda

**MISCELLANEOUS PROPOSALS OF AMENDMENTS TO THE MODEL
REGULATIONS ON THE TRANSPORT OF DANGEROUS GOODS**

Permitted packaging types in Packing Instructions

Transmitted by the International Air Transport Association (IATA)¹

Background

1. A document was presented at the thirty-fifth session of the Sub-Committee proposing some amendments to a number of packing instructions to clarify the permitted packaging types (ST/SG/AC.10/C.3/2009/14). This document also proposed some amendments to the definitions in 1.2.1 for “outer packaging” and “combination packaging”.
2. While some experts were in favour of the proposed amendments to the packing instructions, there was concern that the proposed amendments to the definitions may have consequences in other parts of the Regulations.

¹ In accordance with the programme of work of the Sub-Committee for 2009-2010 approved by the Committee at its fourth session (refer to ST/SG/AC.10/C.3/68, para. 118(d) and ST/SG/AC.10/36, para. 14).

3. Based on the comments provided during the thirty-fifth session of the Sub-Committee, the proposed amendments to the packing instructions have been revised without the need to modify any of the definitions.

Proposal

4. Amend the applicable packing instructions as follows (new text underlined):

P004	PACKING INSTRUCTION	P004
This instruction applies to UN Nos. 3473, 3476, 3477, 3478 and 3479		
<p>The following packagings are authorized provided the general provisions of 4.1.1.1, 4.1.1.2, 4.1.1.3, 4.1.1.6 and 4.1.3 are met:</p> <p>(1) For fuel cell cartridges:</p> <p><u>Drums (1A2, 1B2, 1N2, 1H2, 1D, 1G);</u></p> <p><u>Jerricans (3A2, 3B2, 3H2);</u></p> <p><u>Boxes (4A, 4B, 4C1, 4C2, 4D, 4F, 4G, 4H2)</u></p> <p>Packagings shall conform to the packing group II performance level.</p> <p><u>Fuel cell cartridges shall be packed in packagings so that the cartridges are protected against damage that may be caused by the movement or placement of the cartridge within the packaging.</u></p> <p>(2) For fuel cell cartridges contained in equipment or packed with equipment, strong outer packagings.</p> <p>a) Fuel cell cartridges packed with equipment:</p> <p>When fuel cell cartridges are packed with equipment, they shall be packed in inner packagings or placed in the outer packaging with cushioning material or divider(s) so that the fuel cell cartridges are protected against damage that may be caused by the movement or placement of the contents within the outer packaging.</p> <p>b) Fuel cell cartridges contained in equipment:</p> <p>Large robust equipment (see 4.1.3.8) containing fuel cell cartridges may be carried unpackaged. Fuel cell cartridges which are installed in equipment shall be protected against short circuit and the entire system shall be protected against inadvertent operation.</p>		

P901	PACKING INSTRUCTION	P901
This instruction applies to UN 3316		
<p>The following packagings are authorized provided the general provisions of 4.1.1 and 4.1.3 are met:</p> <p><u>Drums (1A2, 1B2, 1N2, 1H2, 1D, 1G);</u></p> <p><u>Jerricans (3A2, 3B2, 3H2);</u></p> <p><u>Boxes (4A, 4B, 4C1, 4C2, 4D, 4F, 4G, 4H2)</u></p> <p>Packagings shall conform to the performance level consistent with the packing group assigned to the kit as a whole (see 3.3.1, special provision 251).</p> <p>Maximum quantity of dangerous goods per outer packaging: 10 kg.</p>		
<p>Additional requirement:</p> <p>Dangerous goods in kits shall be packed in inner packagings which shall not exceed either 250 ml or 250 g and shall be protected from other materials in the kit.</p>		

P902	PACKING INSTRUCTION	P902
This instruction applies to UN 3268		
<p><u>Packaged articles</u></p> <p>The following packagings are authorized provided the general provisions of 4.1.1 and 4.1.3 are met:</p> <p><u>Drums (1A2, 1B2, 1N2, 1H2, 1D, 1G);</u></p> <p><u>Jerricans (3A2, 3B2, 3H2);</u></p> <p><u>Boxes (4A, 4B, 4C1, 4C2, 4D, 4F, 4G, 4H2)</u></p> <p>Packagings shall conform to the packing group III performance level. The packagings shall be designed and constructed to prevent movement of the articles and inadvertent operation during normal conditions of carriage.</p> <p><u>Unpackaged articles</u></p> <p>The articles may also be carried unpackaged in dedicated handling devices, vehicles or containers when moved from where they are manufactured to an assembly plant.</p>		
<p>Additional requirement:</p> <p>Any pressure vessel shall be in accordance with the requirements of the competent authority for the substance(s) contained in the pressure vessel(s).</p>		