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**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-third session
Geneva, 30 June-9 July (a.m.) 2008
Item 7 of the provisional agenda

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

6.2.2.7 Marking of refillable UN pressure receptacles

Transmitted by the European Industrial Gases Association (EIGA)*

Introduction

1. The marking of refillable pressure receptacles is covered in paragraph 6.2.2.7. The definition of pressure receptacle includes “bundles of cylinders”. Whilst paragraphs 6.2.2.7.2 and 6.2.2.7.3 cover the marking requirements of the cylinders within a bundle, the marking requirements could be interpreted as applying to the frame of the bundle as well as the cylinders. For example, in paragraph 6.2.2.7.3 (m), it is stated that “Identification of the cylinder thread, (e.g. 25E)”. This is not required on the frame as the frame is not a pressure containing part, and is already marked on the cylinder. Other examples include the minimum thickness of the pressure receptacle, 6.2.2.7.2 (h) which again is marked on the cylinder and is not required on the frame of the cylinder bundle.

* In accordance with the programme of work of the Sub-Committee for 2007-2008 approved by the Committee at its third session (refer to ST/SG/AC.10/C.3/60 para. 100 and ST/SG/AC.10/C.3/34, para. 14)

Proposal

2. To ensure that the requirements for markings of bundles of cylinders can not be misinterpreted it is proposed to modify paragraphs 6.2.2.7.2 and 6.2.2.7.3 as shown below: by adding to paragraph 6.2.2.7.2 (g); “*For a bundle of cylinders this mass will include the frame of the bundle and all permanently attached parts (manifold and valve(s))*”. To the end of paragraph 6.2.2.7.2 (h) “*or for a bundle of cylinders*” To the end of paragraph 6.2.2.7.3 (m) “*or for a bundle of cylinders*”

Thus the paragraphs would read:

6.2.2.7.2:

- (g) The mass of the empty pressure receptacle including all permanently attached integral parts (e.g. neck ring, foot ring, etc.) in kilograms, followed by the letters “KG”. This mass shall not include the mass of valve, valve cap or valve guard, any coating, or porous material for acetylene. The mass shall be expressed to three significant figures rounded up to the last digit. For cylinders of less than 1 kg, the mass shall be expressed to two significant figures rounded up to the last digit. In the case of pressure receptacles for UN 1001 acetylene, dissolved and UN 3374 acetylene, solvent free, at least one decimal shall be shown after the decimal point and two digits for pressure receptacles of less than 1 kg. ***For a bundle of cylinders this mass will include the frame of the bundle and all permanently attached parts (manifold and valve(s));***
- (h) The minimum guaranteed wall thickness of the pressure receptacle in millimetres followed by the letters “MM”. This mark is not required for pressure receptacles with a water capacity less than or equal to 1 litre or for composite cylinders or for closed cryogenic receptacles ***or for a bundle of cylinders;***

6.2.2.7.3

“The following manufacturing marks shall be applied:

- (m) Identification of the cylinder thread (e.g. 25E). This mark is not required for closed cryogenic receptacles ***or a bundle of cylinders;***”.

Justification

3. These additions will clarify the marking of bundles.

Safety

4. No safety implications foreseen.

Feasibility

5. No specific problem.

Enforceability

6. No difficulty in enforcement is envisaged.
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