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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

Twenty-eighth session, 28 November-7 December 2005  
Item 6 of the provisional agenda

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

Remanufactured portable tanks

Transmitted by the expert from the United Kingdom

**Introduction**

1. It has come to the notice of the expert from the United Kingdom that some portable tanks in the form which corresponds to the definition of “container” in the International Convention for Safe Containers (CSC), 1972, as amended, go through a process which could be termed “remanufacturing”. This process involves the removal of an existing tank shell and service equipment from a supporting container framework and transposing into a new framework for continued use.
2. The expert from the United Kingdom is advised that when this happens, the tank may be fitted with a new data plate showing the date of installation of the tank shell and service equipment in the new framework as the date of manufacture. Whilst the framework may indeed be new, the tank shell and service equipment is most definitely not.
3. The expert from the United Kingdom considers that inserting a new date of manufacture on the data plate in such circumstances is misleading as to the age of the tank shell and that, for example, the metal of the tank shell could be 10 or more years old. At subsequent periodic inspections the next competent authority or its authorized bodies may make false judgements on the condition of the tank shell with respect to such phenomena as the likelihood of metal fatigue, thinning of wall thickness or whether pitting could be successfully repaired. These risks could be eliminated by including some recommendations for remanufactured tank containers meeting the definition of “container” according to CSC.

4. The expert from the United Kingdom has put forward some proposals at paragraph 5 but realizes that they may need further work. Nevertheless he would welcome a discussion with other members of the Sub-Committee on the extent of this problem and if the Sub-Committee agree this should be pursued, he will to put forward a fresh paper in July of next year taking account of comments received.

## 5. Proposal

Add the following text to the definitions in Chapter 6.7 of the Model Regulations:

“6.7.2.1 *Remanufactured portable tank* means a multimodal portable tank used for the transport of substances in Class 1 and Classes 3 to 9 meeting the definition of “container” according to the International Convention for Safe Containers (CSC), 1972, as amended, where the shell and service equipment are transferred to a new framework which continues to meet the definition of “container” in the CSC.”

“6.7.3.1 *Remanufactured portable tank* means a multimodal portable tank used for the transport of liquefied gases of Class 2 meeting the definition of “container” according to the International Convention for Safe Containers (CSC), 1972, as amended, where the shell and service equipment are transferred to a new framework which continues to meet the definition of “container” in the CSC.”

“6.7.4.1 *Remanufactured portable tank* means a multimodal portable tank used for the transport of refrigerated liquefied gases meeting the definition of “container” according to the International Convention for Safe Containers (CSC), 1972, as amended, where the shell and service equipment are transferred to a new framework which continues to meet the definition of “container” in the CSC.”

Add the following text to the sections of Chapter 6.7 indicated below:

“6.7.2.19.12/  
6.7.3.15.12/  
6.7.4.14.13 The installation of an existing shell and its service equipment into a new framework meeting the definition of “container” in the International Convention for Safe Containers (CSC), 1972, as amended, shall be subject to the external examination as required by 6.7.2.19(h) 6.7.3.15.8 (h)/ 6.7.3.15.8(g)/6.7.14.9(f).

The expert approved by the Competent Authority or its authorized body shall approve the process by which the shell is removed from the original framework and installed in the new framework taking account of:

- The provisions of the pressure vessel code;
- The Maximum Permissible Gross Mass;
- The original approval according to the Convention for Safe Containers.”

Add the following text to the sections of Chapter 6.7 indicated below:

“6.7.2.20.4/  
6.7.3.16.4/  
6.7.4.15.4 The corrosion resistant plate showing the original date of construction of the shell and the other details shall be transferred to a remanufactured portable tank meeting the definition of “container” in the Convention for Safe Containers or the date of construction and the other details concerning the shell shall be transferred to a new data plate without alteration. However the date of remanufacturing may be indicated on the plate with respect to the framework.”