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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-first session, 1-10 July 2002,
agenda item 5(b))

TANKS

Miscellaneous proposal

Transmitted by the expert from Spain

Background

In relation with **Proposal 1** in document ST/SG/AC.10/C.3/2002/3 about amending paragraph 6.7.2.12.2 and taking into account the comments received from other experts that have studied the problem of the frangible discs and flame arresters, the following alternative is presented:

Alternative to Proposal 1

Amend the existing paragraph 6.7.2.12.2 to read as follows:

“6.7.2.12.2 The combined delivery capacity of the relief devices in condition of complete fire engulfment of the portable tank, shall be sufficient to limit the pressure of the shell to 20% above the start-to-discharge pressure of the pressure limiting device. It should be considered that the required relief capacity is reduced when a safety valve is preceded by a frangible disc or equipped with a gauze (flame arresters). Emergency pressure relief devices may be used to achieve the full relief capacity prescribed. These devices may be fusible, spring loaded or frangible disc components or a combination of spring-loaded and frangible disc devices. The total required capacity of the relief devices may be determined using the formula in 6.7.2.12.2.1 or the table in 6.7.2.12.2.3.”.