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**ECONOMIC COMMISSION FOR EUROPE**

**INLAND TRANSPORT COMMITTEE**

**Working Party on the Transport  
of Dangerous Goods**  
(Seventy-second session,  
Geneva, 13-17 May 2002)

**PROPOSALS OF AMENDMENTS TO ANNEXES A AND B OF ADR**

**References to EN standards in chapter 6.8 of the ADR**

**Transmitted by the European Committee for Standardisation (CEN)**

At the November 2001 session of the Working Party, CEN proposed in Inf.22 to refer to two standards EN 12252: 2000 and EN 12493:2001 in 6.8.2.6 as follows:

<b>DOC. Reference</b>	<b>Title of Document</b>	<b>Applicable sections</b>
EN 12252:2000	Equipping of LPG road tankers <a href="#">Equipements des camions citernes pour GPL</a>	6.8.3.2
EN 12493: 2001 (except Annex C)	Welded steel tanks for liquefied petroleum gas (LPG) - Road tankers - Design and manufacture. <a href="#">Citernes en acier soudées pour gaz de pétrole liquéfiés (GPL) - Véhicules citernes routiers - Conception et construction</a>	6.8.2.1; 6.8.2.4.1(with the exclusion of the leakproofness test); 6.8.2.5.1, 6.8.3.1 and 6.8.3.5.1

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INF.22 in turn was referring to previous information documents from CEN on these two standards, namely Inf.27 at the November 2000 session of WP15.

The decision on INF.22 was delayed to the next WP 15 meeting because of comments expressed by some delegates that could not be addressed during the meeting.

On EN 12252:2000

- 1) Concerns were expressed on the level of tests on the piping assembly. This remark is accepted and will be addressed in a forthcoming revision of the standard that will also address the leakproofness test of the whole tank assembly.
- 2) There is objection against the length of hose that is mentioned in the standard (60m). The LPG experts justify this length of hoses to supply customers in remote locations. Furthermore, there is no requirement on flexible hoses in 6.8.2.2 that will give ground to the CEN consultant to object to such a length.

On EN 12493:2001

Concerns were expressed by Finland with regard to the requirement for the dished ends in the standard.

The requirement in the standard on minimum wall thickness against damage exceeds the requirements of 6.8.2.1.18: 7 mm for shells with a diameter of 1.5m and above and 6mm for shells with a diameter of less than 1.5 m.

It is true to say that the standard includes formulae for the calculation of dished ends that would lead for certain shapes (namely hemispherical) to thicknesses lower than when calculated according to the formulae in 6.8.2.17. CEN experts are of the opinion that the calculation of the thicknesses for pressure and dynamic loads should be found in harmonised standard and that a minimum thickness for certain liquids or gases should be covered as a Special Provision in table A of 3.2. CEN has proposed in Inf.11 for the March session of the Joint Meeting to modify the requirements of 6.8.2.1.17. Inf.11 is on the agenda of the Tank Working Group that will meet before the Joint Meeting.

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