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**ECONOMIC COMMISSION FOR EUROPE**

**INLAND TRANSPORT COMMITTEE**

Working Party on the Transport of Dangerous Goods

Joint Meeting of the RID Committee of Experts and the  
Working Party on the Transport of Dangerous Goods

Geneva, 11-21 September 2007  
Item 2 of the provisional agenda

**TANKS \*/**

Transitional provisions for tanks constructed/not constructed according to standards

Note by the secretariat

1. At its March 2007 session, the Joint Meeting discussed the question of dates of mandatory application of standards referred to in Chapter 6.8 for the construction of tanks. It was agreed that the standards would become of mandatory application two years after the date of the entry into force of the amendment which makes their application mandatory. During this two year transitional period, new tanks could be constructed according to the standards in question, or according to the previous version of the same standards if they were already referred to in RID/ADR, or according to any other requirement applicable before the entry into force of the amendment (see ECE/TRANS/WP.15/AC.1/106, para. 7).
2. The Joint Meeting considered that the corresponding transitional measure drafted by the Working Group on Tanks should not be placed in a NOTE under the table of 6.8.2.6, and that it should be redrafted. The secretariat was invited to propose a text for a relevant provision.

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\*/ Circulated by the Intergovernmental Organisation for International Carriage by Rail (OTIF) under the symbol OCTI/RID/RC/2007/55.

3. During the discussion, it was recalled that ADR and RID apply not only to newly constructed transport equipment, but also to transport equipment which may have been constructed many years ago. Attention was drawn to the difficulties already experienced, especially by new Contracting Parties to ADR, in determining the exact requirements applicable to transport equipment constructed many years ago and still authorized to be used.

4. In fact this issue was also addressed during the September 2006 session of the Joint Meeting (see ECE/TRANS/WP.15/AC.1/104, para. 25-27) and it was decided that, in the future, the transitional measures should indicate with detail the provisions applicable to the carriage to which the transitional measures apply.

5. An example of how this is done for vehicles in ADR may be found in the column "Remark" of the table of section 9.2.1 of ADR, where the date of application of the provisions is specified depending on the type of vehicle and its date of registration.

6. As standards are amended or revised rather frequently, the secretariat suggests that it would be more user-friendly to indicate precisely which standards are of mandatory or acceptable application depending on the date of construction. This would avoid problems of interpretation.

7. As a consequence, the secretariat suggests there is no need to introduce specific transitional provisions related to this issue in Chapter 1.6 if the period of validity for the application of standards is clearly indicated in 6.8.2.6. In the following paragraphs, the secretariat assumes, from the text of 6.8.2.7, that the intended date of mandatory application of the standards currently listed in 6.8.2.6 is 1 January 2009, i.e two years after the standards were referenced in RID and ADR.

### **Proposal**

8. Amend 1.6.3.31 and 1.6.4.9 to read as follows:

"Fixed tanks (tank-vehicles)/Tank wagons and demountable tanks/tank-containers and MEGCs designed and constructed in accordance with a technical code which was recognized at the time of their construction according to the provisions of 6.8.2.7 which were applicable at that time may still be used."

9. Amend the introductory sentence of 6.8.2.6 to read as follows:

"Depending on the date of construction of the tank, the standards listed in the table below shall be applied as indicated in column (4) of the table to meet the requirements of Chapter 6.8 referred to in column (1), or may be applied as indicated in column (5).

10. The table in 6.8.2.6 would then read as follows:

**"6.8.2.6     *Requirements for tanks which are designed, constructed and tested according to standards***

**NOTE:** Persons or bodies identified in standards as having responsibilities in accordance with RID/ADR shall meet the requirements of RID/ADR.

Depending on the date of construction of the tank, the standards listed in the table below shall be applied as indicated in column (4) to meet the requirements of Chapter 6.8 referred to in column (1) or may be applied as indicated in column (5).

Applicable sub-sections and paragraphs	Reference	Title of document	Mandatory application for tanks constructed*	Application authorized for tanks constructed
(1)	(2)	(3)	(4)	(5)
<i>For all tanks</i>				
6.8.2.1	EN 14025:2003	Tanks for the transport of dangerous goods - Metallic pressure tanks - Design and construction	As from 1 January 2009	Before 1 January 2009
6.8.2.2.1	EN 14432:2006	Tanks for the transport of dangerous goods – Tank equipment for the transport of liquid chemicals – Product discharge and air inlet valves	As from 1 January 2011	Before 1 January 2011
6.8.2.2.1	EN 14433:2006	Tanks for transport of dangerous goods – Tank equipment for the transport of liquid chemicals – Foot valves	As from 1 January 2011	Before 1 January 2011
<i>For testing and inspection</i>				
6.8.2.4 6.8.3.4	EN 12972:2001 (with the exception of annexes D and E)	Tanks for transport of dangerous goods - Testing, inspection and marking of metallic tanks	Between 1 January 2009 and 31 December 2010	Between 1 January 2003 and 31 December 2008
6.8.2.4 6.8.3.4	EN 12972:2007 [(with the exception of annexes <del>D and E</del> )]**	Tanks for transport of dangerous goods - Testing, inspection and marking of metallic tanks	As from 1 January 2011	Before 1 January 2011

\* Unless the application of another standard is authorized in column (5) for the same purposes for tanks constructed at the same date.

\*\* *Note by the secretariat:* Although not reflected in the adopted amendments, (ECE/TRANS/WP.15/AC.1/102) the secretariat has been informed that the text placed between square brackets should be deleted. To be checked by the Joint Meeting.

Applicable sub-sections and paragraphs	Reference	Title of document	Mandatory application for tanks constructed*	Application authorized for tanks constructed
(1)	(2)	(3)	(4)	(5)
<i>For tanks with a maximum working pressure not exceeding 50 kPa and intended for the carriage of substances for which a tank code with the letter "G" is given in column (12) of Table A of Chapter 3.2</i>				
6.8.2.1	EN 13094:2004	Tanks for the transport of dangerous goods – Metallic tanks with a working pressure not exceeding 0.5 bar – Design and construction	As from 1 January 2009	Before 1 January 2009
<i>For tanks for gases of Class 2</i>				
6.8.2.1 (with the exception of 6.8.2.1.17); 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	EN 12493:2001 (except Annex C)	Welded steel tanks for liquefied petroleum gas (LPG) – Road tankers – Design and manufacture <i>Note: Road tankers is to be understood in the meaning of "fixed tanks" and "demountable tanks" as per ADR.</i>	As from 1 January 2009	Before 1 January 2009
6.8.3.2 (with the exception of 6.8.3.2.3)	EN 12252:2000	Equipping of LPG road tankers <i>Note: Road tankers is to be understood in the meaning of "fixed tanks" and "demountable tanks" as per ADR.</i>	As from 1 January 2009	Before 1 January 2009
6.8.2.1 (with the exception of 6.8.2.1.17), 6.8.2.4, 6.8.3.1 and 6.8.3.4	EN 13530-2:2002	Cryogenic vessels – Large transportable vacuum insulated vessels – Part 2: Design, fabrication, inspection and testing		Between 1 January 2005 and 30 June 2007

\* Unless the application of another standard is authorized in column (5) for the same purposes for tanks constructed at the same date.

<b>Applicable sub-sections and paragraphs</b>	<b>Reference</b>	<b>Title of document</b>	<b>Mandatory application for tanks constructed*</b>	<b>Application authorized for tanks constructed</b>
(1)	(2)	(3)	(4)	(5)
6.8.2.1 (with the exception of 6.8.2.1.17), 6.8.2.4, 6.8.3.1 and 6.8.3.4	EN 13530-2:2002 + A1:2004	Cryogenic vessels – Large transportable vacuum insulated vessels – Part 2: Design, fabrication, inspection and testing	As from 1 January 2009	Before 1 January 2009
6.8.2.1 (with the exception of 6.8.2.1.17, 6.8.2.1.19 and 6.8.2.1.20), 6.8.2.4, 6.8.3.1 and 6.8.3.4	EN 14398-2:2003 (except Table 1)	Cryogenic vessels - Large transportable non-vacuum insulated vessels - Part 2: Design, fabrication, inspection and testing	As from 1 January 2009	Before 1 January 2009
<i>For tanks intended for the carriage of liquid petroleum products and other dangerous substances of Class 3 which have a vapour pressure not exceeding 110 kPa at 50 °C and petrol, and which have no toxic or corrosive subsidiary hazard</i>				
6.8.2.1	EN 13094:2004	Tanks for the transport of dangerous goods – Metallic tanks with a working pressure not exceeding 0.5 bar – Design and construction		Between 1 January 2005 and 30 June 2007
6.8.2.2 and 6.8.2.4.1	EN 13082:2001	Tanks for transport of dangerous goods – Service equipment for tanks – Vapour transfer valve	As from 1 January 2009	Before 1 January 2009
6.8.2.2 and 6.8.2.4.1	EN 13308:2002	Tanks for transport of dangerous goods – Service equipment for tanks – Non pressure balanced footvalve	As from 1 January 2009	Before 1 January 2009
6.8.2.2 and 6.8.2.4.1	EN 13314:2002	Tanks for transport of dangerous goods – Service equipment for tanks – Fill hole cover	As from 1 January 2009	Before 1 January 2009
6.8.2.2 and 6.8.2.4.1	EN 13316:2002	Tanks for transport of dangerous goods – Service equipment for tanks – Pressure balanced footvalve	As from 1 January 2009	Before 1 January 2009

\* Unless the application of another standard is authorized in column (5) for the same purposes for tanks constructed at the same date.

<b>Applicable sub-sections and paragraphs</b>	<b>Reference</b>	<b>Title of document</b>	<b>Mandatory application for tanks constructed*</b>	<b>Application authorized for tanks constructed</b>
(1)	(2)	(3)	(4)	(5)
6.8.2.2 and 6.8.2.4.1	EN 13317:2002	Tanks for transport of dangerous goods – Service equipment for tanks – Manhole cover assembly		Between 1 January 2005 and 30 June 2007
6.8.2.2 and 6.8.2.4.1	EN 13317:2002 (except for the figure and table B.2 in Annex B) (The material shall meet the requirements of standard EN 13094:2004, Clause 5.2)	Tanks for transport of dangerous goods – Service equipment for tanks – Manhole cover assembly	Between 1 January 2009 and 31 December 2010	Between 1 January 2007 and 31 December 2008

\* Unless the application of another standard is authorized in column (5) for the same purposes for tanks constructed at the same date.

Applicable sub-sections and paragraphs	Reference	Title of document	Mandatory application for tanks constructed*	Application authorized for tanks constructed
(1)	(2)	(3)	(4)	(5)
6.8.2.2 and 6.8.2.4.1	EN 13317:2002 + A1:2006 [(except for the figure and table B.2 in Annex B) (The material shall meet the requirements of standard EN 13094:2004, Clause 5.2)] **	Tanks for transport of dangerous goods – Service equipment for tanks – Manhole cover assembly	As from 1 January 2011	Before 1 January 2011
6.8.2.2 and 6.8.2.4.1	EN 14595:2005	Tanks for transport of dangerous goods - Service equipment for tanks - Pressure and vacuum breather vent	As from 1 January 2009	Before 1 January 2009

\* Unless the application of another standard is authorized in column (5) for the same purposes for tanks constructed at the same date.

\*\* Although not reflected in the adopted amendments, (ECE/TRANS/WP.15/AC.1/104, annex 1 and ECE/TRANS/WP.15/192/Add.1) the secretariat has been informed that the text placed between square brackets should be deleted. To be checked by the Joint Meeting.