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**ECONOMIC COMMISSION FOR EUROPE**

INLAND TRANSPORT COMMITTEE

Working Party on the Transport of Dangerous Goods

Joint Meeting of the RID Safety Committee and the  
Working Party on the Transport of Dangerous Goods  
(Geneva, 13-23 September 2005)

**TANKS**

**Applicability of Standard EN13094**

**Transmitted by the Government of the United Kingdom \*/**

<b>SUMMARY</b>	
<b>Executive Summary:</b>	This proposal aims to widen the scope for tank standard EN 13094 to be used for certain products other than class 3 substances in tanks with a 'G' code in column (12) of Table A in Chapter 3.2.
<b>Action to be taken:</b>	For ADR: Move the extract regarding EN 13094 from its current position in 6.8.2.6 to a position below EN 12972 in the same table, and provide new introductory text. For RID: Provide new introductory text only regarding EN 13094.
<b>Related documents:</b>	TRANS/WP.15/AC.1/98/Add.1.

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\*/ Circulated by the Central Office for International Carriage by Rail (OCTI) under the symbol OCTI/RID/GT-III/2005/70.

## **1. Background**

At the last Joint Meeting the United Kingdom presented to the Tanks Working Group, under “other matters”, a suggestion that standard EN 13094 as described in 6.8.2.6 need not be limited to class 3 substances only but could be used for certain other dangerous goods carried under low pressure conditions where the tank code in column (12) of Table A in Chapter 3.2 is ‘G’ (see TRANS/WP.15/AC.1/98/Add.1 under “Other matters”). Following discussion at the Tanks Working Group and in plenary session, the United Kingdom offered to bring a formal proposal to the September meeting.

## **2. Discussion**

As currently set out in Chapter 6.8.2.6 of RID/ADR, standard EN 13094 is restricted to the design, construction and testing of tanks suitable for carrying liquid petroleum products and other class 3 products which have a vapour pressure not exceeding 110 kPa at 50°C and petrol, which have no toxic or corrosive subsidiary hazard. The United Kingdom has looked closely at these provisions and believes this is unduly prescriptive and that EN 13094 should be applicable to products other than those of class 3 where the tank code in column (12) of Table A in Chapter 3.2 is ‘G’ and there are no corrosive or toxic hazards, such as UN 3375, AMMONIUM NITRATE EMULSION or SUSPENSION or GEL. For ADR the United Kingdom proposes that the reference to EN13094 is moved to a position below EN 12972 and the text changed as set out below. For RID, because the five tank equipment standards are not listed in 6.8.2.6, it is simply necessary to make the textual change.

## **2. Proposal**

### ADR - 6.8.2.6

Transfer the text in tabular form relating to EN 13094:2004 to follow under that referring to EN 12972:2001 with the following new introductory paragraph.

"For tanks with a maximum working pressure not exceeding 50 kPa and intended for substances for which a tank code with the letter "G" is given in column (12) of Table A in Chapter 3.2."

The current introductory text remains together with the five tank equipment standards referred to, for which this text is still applicable.

### RID - 6.8.2.6

As the five tank equipment standards are not listed in RID, simply substitute the current introductory text regarding EN 13094:2004 for:

"For tanks with a maximum working pressure not exceeding 50 kPa and intended for substances for which a tank code with the letter "G" is given in column (12) of Table A in Chapter 3.2."

**3. Justification and Safety implications**

The heading (introductory text) for the use of EN 13094 is unnecessarily restrictive. The proposal is to extend the use of this standard for the design and construction of low pressure tanks, for non toxic and non corrosive substances, for which it was intended as reflected in the scope of the standard. The text of the scope of the standard has been used to draft the proposed new introductory text.

The proposals widen the use of tanks to a restricted range of products only, and there are no additional safety implications.

**4. Feasibility and Enforceability**

No implications.

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