

## 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, 13–17 September 2010

Item 2 of the provisional agenda

##### Tanks

### Measures adopted on tanks according to 6.8.2.1.20 or in standard EN 13094:2008, including a proposal as a preliminary consequential amendment

#### Transmitted by the Government of Sweden

##### *Summary*

**Executive summary:** Sweden would like to have the view of the Joint Meeting concerning the interpretation of which measures that are provided to be adopted on tanks to have them deemed protected against damage. Depending on the outcome, a consequential amendment is proposed.

**Action to be taken:** Discussion (and preliminary amend a text and insert a new text)

1. According to 6.8.2.1.19 in RID/ADR, the competent authority may allow the shell thickness to be reduced on tanks where protection against damage through lateral impact or overturning is provided. The protection is provided for fixed tanks, demountable tanks and battery vehicles when the measures, or “*equivalent measures*”, which are stated in 6.8.2.1.20 left column in ADR, are adopted.

The measures for reduction of shell thickness are also specified in the standards EN 13094:2004 (in subsection 6.8.2.2) and EN 13094:2008 (in subsection 6.9.2.2).

2. The last line in the first paragraph of 6.8.2.1.20 left column in ADR provides that there is a possibility to have tanks protected against damage if “*equivalent measures*” are adopted. Thus shall such measures for shells with a circular or elliptical cross-section be *equivalent* to the measures mentioned in 6.8.2.1.20 (b) 1 and measures for box-shaped shells shall be *equivalent* to the measures mentioned in 6.8.2.1.20 (b) 4.

3. According to 6.8.2.6 in RID/ADR the standard EN 13094:2008 is mandatory from the 1st of January 2010 for the construction of tanks. Tanks constructed from that date must have adopted the measures given in section 6.9.2.2 in the standard if they shall be deemed being protected against damage. However, in the standard there is no corresponding solution to adopt any “*equivalent measures*” in contrast with 6.8.2.1.20. The text in 6.9.2.2. i) in the standard only refers to equivalent tests for global resiliencies.

4. Sweden is of the opinion that there can be a contradiction in the provisions of 6.8.2.1.20 and 6.8.2.6.
5. The Government of Sweden would like to have the opinion of the Joint Meeting on this matter.
6. If the Joint-meeting agrees that there is a contradiction, Sweden would like to propose the following:

### **Proposal**

1. Amend the first sentence in sub-section 6.8.2.1.20 as follows:  
6.8.2.1.20 “For tanks built ~~after~~ **from** 1 January 1990 **to 31 December 2009**, there is protection ...”
2. Insert a new paragraph at the end of sub-section 6.8.2.1.20 to read as follows:  
“**Tanks built from 1 January 2010 shall be deemed to be protected against damage when the measures given in the standard/s according to 6.8.2.6, are adopted.**”

### **Justification**

The aim of the proposal is to eliminate the contradiction in the provisions and to clarify the situation concerning what measures that shall be adopted on tanks to have them protected against damage.

### **Safety**

No safety implications.

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