

## **Economic Commission for Europe**

### **Inland Transport Committee**

**Working Party on the Transport of Dangerous Goods**

**23 August 2017**

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

Geneva, 19–29 September 2017

Item 2 of the provisional agenda

**Tanks**

### **Template of a tank plate for RID/ADR tanks for the transport of dangerous goods**

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

#### **Introduction**

1. During the CEN Technical Committee 296 Working Group 5 meeting on the testing, inspection and marking of tanks for the transport of dangerous goods, that took place 10-11 April 2017, the experts discussed whether the template for the tank plate should remain within standard EN 12972, or be placed in Chapter 6.8 of ADR.
2. There are already templates within Chapter 6.7 of RID/ADR for portable tanks, so the addition in Chapter 6.8 would not be inconsistent with the approach taken in RID/ADR and would harmonise the chapters. The representative of the United Kingdom agreed to take the idea forward and introduced the concept to the informal working group on inspection and certification of tanks at the London meeting that took place 6-8 June 2017.
3. The representative of the United Kingdom shared a draft template with the members of the informal working group. The template was based on the RID/ADR Chapter 6.7 plate in figure 6.7.2.20.1 and included the additional information required by EN 12972. The members of the informal working group accepted the concept of having the plate template in ADR rather than EN 12972, but were unable to reach agreement on the design of the proposed template. The representative of the United Kingdom agreed to revisit the template using the template in EN 12972 as a starting point.

#### **Proposal**

4. The United Kingdom welcomes the views of the Joint Meeting regarding the introduction of a new figure, Figure 6.8.2.5.1, as shown on page 3 of this paper and invites the Joint Meeting to comment on the proposed format and content of the proposed figure.
5. If the Joint Meeting agrees, the United Kingdom will return at the next Joint Meeting with a formal proposal for adoption into RID/ADR. Although EN 12972 does not deal with tank plates for tank wagons, the United Kingdom proposes the introduction of the final agreed template into RID as well.

## Justification

6. The format of the template on page 3 is inspired by the template that is contained within EN 12972, Annex E (2015 edition), that is two columns. The first containing the information subject and the second containing the required information for the tank. The bold headings are taken from the template in RID/ADR 6.7, but the order of the information is taken from EN 12972 in the first instance and followed by ADR.

7. The information in the draft template is colour coded to illustrate the provenance of the necessary information:

- a) Red text – required by both RID/ADR 6.8 and EN 12972;
- b) Blue text – required by RID/ADR 6.8 only;
- c) Green text – required by EN 12972 only; and
- d) Black text – to be discussed if useful to include on the plate.

Figure 6.8.2.5.1: Example of a plate for marking

**1 OWNER/OPERATOR INFORMATION**

[Owners / Operators name]	
[Owner's registration number]	

**2 MANUFACTURING INFORMATION**

Manufacturer	
Manufacturer's serial number	
Year of manufacture (or Date of Manufacture mm/yy)	
Approval Country / Country of manufacture	

**3 APPROVAL INFORMATION**

Type approval number	
Approval country	
Authorised body for approval	
[Tank code]	
Transport Codes	
Shell design code (pressure vessel code)	

**4 PRESSURES**

Test Pressure (gauge)	a) whole tank	MPa
	b) compartments	MPa
Maximum working pressure		MPa
Maximum working pressure for heating/cooling system (if applicable)		MPa
External design pressure		MPa

**5 TEMPERATURES**

Design temperature range	°C to °C
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**6 MASSES**

[Unladen mass of tank vehicle]	kg
[Tare of the tank/shell]	kg
[Maximum permissible mass]	kg

**7 CAPACITY / COMPARTMENTS**

Capacity of tank/shell (total)	litres
Total water capacity (at 20°C)	litres; 'S' (if applicable)
Number of compartments	
Capacity of the compartments	

**8 MATERIALS**

Tank material and material reference	
Equivalent thickness in reference steel	mm
Material protective lining/coating	
Insulation	
Effectiveness of insulation system	

**9 PERMITTED SUBSTANCES**

Proper Shipping Name and UN number	Maximum mass	Maximum filling pressure	Filling temperature
	kg	MPa	°C
	kg	MPa	°C

[TC and TE Special provision code]

Substance	Alphanumeric code
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**10 INSPECTION/TEST STAMPS**

Test type	Test date	Witness stamp	Test type	Test date	Witness stamp
"L" or "P"	(mm/yyyy)		"L" or "P"	(mm/yyyy)	

NOTE: Lines may be deleted if not required