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Working Party on the Transport of Dangerous Goods
(Geneva, 13-23 September 2005)

TANKS

Marking on tanks and indications in the certificate of approval

Transmitted by the Government of Germany*

The secretariat has received from the Central Office for International Carriage by Rail (OCTI) the proposal reproduced below.

SUMMARY

<i>Executive summary:</i>	The marking of special provisions on tanks and their indication in the certificate of approval have caused problems in the past.
<i>Action to be taken:</i>	Amendment of the relevant rules in Chapter 1.6 and in paragraphs 6.8.2.3.1 and 6.8.2.5.2.
<i>Related documents:</i>	TRANS/WP.15/AC.1/2005/34 (OCTI/RID/GT-III/2005/34) and TRANS/WP.15/AC.1/98/Add.1 (OCTI/RID/GT-III/2005-A/Add.1).

* Circulated by the Central Office for International Carriage by Rail (OCTI) under the symbol OCTI/RID/GT-III/2004/55.

1. Introduction

The Joint Meeting's working group on tanks discussed document TRANS/WP.15/AC.1/2005/34 (OCTI/RID/GT-III/2005/34) submitted by Belgium at the last meeting (see the report of the working group on tanks in document TRANS/WP.15/AC.1/98/Add.1-OCTI/RID/GT-III/2005-A/Add.1, paragraph 9).

Since it had not been possible to find any solution to the problem referred to there, Germany promised to submit a relevant document. The solution proposed would also in the circumstances have to contain the necessary transitional measures.

After consideration of the result of the discussion and the various special provisions and bearing in mind the deletion of special provision TE15, the new proposal is based on the following reflections:

- The approach must lead to a standard application.
- Misunderstandings should be avoided.
- The costs for the user of marking the tanks should also be as low as possible.

2. Possibility of finding a solution

It emerges from this consideration that the number of (+) substances can remain unchanged if the text is expanded (explanation as to when a special provision should be included in the approval or indicated on the tank). The text should be expanded by adding references setting out how the code should be indicated (solution: in brackets) for special provisions TC6, TE5, TE6, TE10 and TE24.

For this alternative, i.e. no increase in the number of (+) substances, the number of codes for the special provisions to be indicated on tanks may possibly be greater, but there are fewer indications of the proper shipping name of the substance on the tank itself or on a plate.

The indication of the codes of the special provisions in the certificate of approval and, where appropriate, on the tank for all substances to be carried in the tank is necessary in each case.

3. Proposals

(a) Amend as follows the special provisions indicated below (the text has been taken from document TRANS/WP.15/AC.1/2005/34 (OCTI/RID/GT-III/2005/34), submitted by Belgium; amendments or additions by Germany appear in bold).

TC1 Add the following subparagraph:

If the materials and construction of the shell fulfil the conditions of 6.8.5, TC1 shall be part of the indications and inscriptions required by 6.8.2.3.1 and 6.8.2.5.2.

TC2 Add the following subparagraph:

If the tank is designed to transport substances of UN 2014, UN 2015, UN 2984 and/or UN **3149**, TC2 shall be part of the indications required by 6.8.2.3.1 **and 6.8.2.5.2**.

TC3 Add the following subparagraph:

If the tank is designed to transport substances of UN 2426, TC3 shall be part of the indications required by 6.8.2.3.1.

TC4 Add the following subparagraph:

If the tank is designed to transport substances of UN 3250, TC4 shall be part of the indications **and inscriptions** required by 6.8.2.3.1 **and 6.8.2.5.2**.

TC5 Add the following subparagraph:

If the tank is designed to transport substances of UN 1744, TC5 shall be part of the indications required by 6.8.2.3.1.

TC6 Add the following subparagraph:

If the tank is designed to transport substances of UN 1796, UN 2031 and/or UN 2032, TC6 shall be part of the indications **and inscriptions** required by 6.8.2.3.1 **and 6.8.2.5.2**.

If this tank is not made of aluminium not less than 99.8% pure, TC6 shall be placed in brackets.

TC7 (ADR only).

TE3 Add the following subparagraph:

If the tank is designed to transport substances of UN 1381 and/or UN 2447, TE3 shall be part of the indications required by 6.8.2.3.1.

TE4 Add the following subparagraph:

If the tank is designed to transport substances of UN 2304, UN 2448 and/or UN 3176, TE4 shall be part of the indications **and inscriptions** required by 6.8.2.3.1 **and 6.8.2.5.2**.

TE5 Add the following subparagraph:

If the tank is designed to transport substances of UN 1389, UN 1391, UN 1392, UN 1407, UN 1415, UN 1420, UN 1421, UN 1422, UN 1423, UN 1428, UN 2257, UN 3401, UN 3402, UN 3403 and/or UN 3404, TE5 shall be part of the indications required by 6.8.2.3.1.

If the tank is not equipped with thermal insulation, TE5 shall be placed in brackets.

TE6 Add the following subparagraph:

If the tank is designed to transport substances of UN 2304, UN 2448, UN 3176 and/or UN 3257, TE6 shall be part of the indications **and inscriptions** required by 6.8.2.3.1 **and 6.8.2.5.2**.

For tanks not equipped with this device but which nevertheless meet this requirement in some other way TE6 shall be placed in brackets.

TE7 Add the following subparagraph:

If the tank is designed to transport substances of UN 2015, TE7 shall be part of the indications required by 6.8.2.3.1.

TE8 Add the following subparagraph:

If the tank is designed to transport substances of UN 2014, UN 2015, UN 2984 and/or UN 3149, TE8 shall be part of the indications required by 6.8.2.3.1.

TE9 Add the following subparagraph:

If the tank is designed to transport substances of UN 2015 and/or UN 2426, TE9 shall be part of the indications required by 6.8.2.3.1.

TE10 Add the following subparagraph:

If the tank is designed to transport substances of UN 2426 and/or UN 3375, TE10 shall be part of the indications required by 6.8.2.3.1.

If the tank complies with the special provision but is not equipped with thermal insulation, TE10 shall be placed in brackets.

TE11 Add the following subparagraph:

If the tank is designed to transport substances of UN 1791, UN 1908, UN 2014, UN 2984 and/or UN 3149, TE11 shall be part of the indications and inscriptions required by 6.8.2.3.1 **and 6.8.2.5**.

TE12 Add the following subparagraph:

If the tank is designed to transport substances of (RID:) UN 3109 and/or UN 3110/(ADR:) UN 3109, UN 3110, UN 3119 and/or UN 3120, TE12 shall be part of the indications required by 6.8.2.3.1.

TE13 Add the following subparagraph:

If the tank is designed to transport substances of UN 1829, TE13 shall be part of the indications **and inscriptions** required by 6.8.2.3.1 **and 6.8.2.5.2**.

TE14 Add the following subparagraph:

If the tank is designed to transport substances of UN 3257, TE14 shall be part of the indications **and inscriptions** required by 6.8.2.3.1 **and 6.8.2.5.2**.

TE15 Deleted.

TE16 (RID only).

TE17 (RID only).

TE18 (ADR only).

TE19 (ADR only).

TE20 Add the following subparagraph:

If the tank is designed to transport substances of UN 2211, TE20 shall be part of the indications **and inscriptions** required by 6.8.2.3.1 **and 6.8.2.5.2**.

TE21 Add the following subparagraph:

If the closures of the tank are protected with lockable caps, TE21 shall be part of the indications and inscriptions required by 6.8.2.3.1 and 6.8.2.5.2.

TE22 (RID only).

TE23 Add the following subparagraph:

If the tank is designed to transport substances of UN 3375, TE23 shall be part of the indications required by 6.8.2.3.1.

TE24 Add the following subparagraph:

If the tank is designed to transport substances of UN **3256** and/or UN 3257, TE24 shall be part of the indications **and inscriptions** required by 6.8.2.3.1 **and 6.8.2.5.2**.

If the tank complies with the special provision and is not equipped with a spray bar, TE24 shall be placed in brackets.

TA1 Add the following subparagraph:

If the tank is designed to transport substances of UN 2426 and/or UN 3375, TA1 shall be part of the indications required by 6.8.2.3.1.

TA2 Add the following subparagraph:

If the tank is designed to transport substances of (RID:) UN 3109 and/or UN 3110/(ADR:) UN 3109, UN 3110, UN 3119 and/or UN 3120, TA2 shall be part of the indications required by 6.8.2.3.1.

TA3 Add the following subparagraph:

If the tank is designed to transport substances of UN 3375, TA3 shall be part of the indications required by 6.8.2.3.1.

- (b) Add the following text as a footnote (*) to the fourth indent of 6.8.2.3.1 (“special construction ... applicable to the type;”):

“(*) If the special provisions listed in Column (13) of Table A in Chapter 3.2 are not listed in the certificate, carriage of the substance is prohibited.”

- (c) Add the following text as a footnote (*) to the seventh indent of 6.8.2.5.2 (“for substances other than those ...”), in the left hand column (RID only) and in the right hand column (RID/ADR):

“(*) If the special provisions listed in Column (13) of Table A in Chapter 3.2 are not indicated, carriage of the substance is prohibited.”

- (d) Transitional measures:

Since 2001, special provisions must be indicated in certificates of approval, and since 2005 also on the tank or on a plate.

As explained above, this indication took different forms in different States. For that reason provision needs to be made for transitional measures so that approvals issued during the period do not have to be modified.

Since transitional measures were already included in the 2005 edition of RID/ADR for the marking of tank wagons and tank-containers with the alphanumerical codes of the special provisions, it is proposed that the validity of these transitional measures should be extended so that as soon as these supplements (1 January 2007) enter into force a further four years are available.

1.6.3.18 (left hand column only, RID only) Replace “31 December 2010” by “31 December 2011” in the last subparagraph.

1.6.4.12 Replace “31 December 2008” by “31 December 2011” in the last subparagraph.

Impact on safety: The proposed amendment is not seen to cause problems.

Feasibility: Facilitation.

Applicability: Few problems for the user or for the approval bodies.
