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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

Bern, 13–17 March 2017

Item 2 of the provisional agenda

Tanks

1.2.1 – Introduction of a definition of “diameter of shell”

Transmitted by the Government of Germany^{*,**}

Summary

- Executive summary:** The aim of this proposal is to simplify the interpretation of the diameter of the shell.
- Action to be taken:** Include a definition in RID/ADR/ADN 1.2.1.
- Related documents:** Report of the last RID/ADR/ADN Joint Meeting (Geneva, 19 to 23 September 2016) (OTIF/RID/RC/2016-B – ECE/TRANS/WP.15/AC.1/144, paragraph 10 and OTIF/RID/RC/2016-B/Add.1 – ECE/TRANS/WP.15/AC.1/144/Add.1, paragraph 33).

Introduction

1. At the last Joint Meeting, Germany requested clarification (informal document INF.23) on which diameter of the shell in RID/ADR 6.8.2.1.18 and 6.8.2.1.19 is to be used

* In accordance with the programme of work of the Inland Transport Committee for 2016-2017, (ECE/TRANS/2016/28/Add.1 (9.2)).

** Circulated by the Intergovernmental Organisation for International Carriage by Rail (OTIF) under the symbol OTIF/RID/RC/2017/3.

(internal diameter or external diameter of the shell) to calculate the minimum wall thickness of the shell.

2. The working group on tanks was of the view that in conformity with RID/ADR 6.8.2.1.17, it was the internal diameter that was used.

3. The representative of Germany was asked to draft a proposal for the next meeting to ensure that references to the diameter of the shell are interpreted as references to the internal diameter of the shell.

4. RID/ADR Chapters 4.2 and 6.7 also contain references to the diameter of the shell in 4.2.5.2.6 (T50 footnote (a), assignment of maximum allowable working pressure to tank types – small, bare, sunshield, insulated), 6.7.2.4.2, 6.7.2.4.3, 6.7.2.4.7, 6.7.3.1, 6.7.3.4.2, 6.7.4.4.2 and 6.7.4.4.3 (tank design)). As in RID/ADR Chapter 6.8, RID/ADR Chapter 6.7 does not specify the diameter of the shell in more detail. In order to harmonise the interpretation, the new definition of the diameter should also apply to shells in accordance with RID/ADR Chapter 6.7.

5. In order to resolve the problem, it is proposed to include a definition of the diameter of the shell in RID/ADR/ADN 1.2.1.

Proposal

6. Insert a new definition in RID/ADR/ADN 1.2.1, as follows:

“Diameter of shell means the internal diameter of the shell.”
