

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, 12-16 September 2022

Item 2 of the provisional agenda

Tanks

15 September 2022

Outcome of discussion on document ECE/TRANS/WP.15/AC.1/2022/21, informal documents INF.6 and INF.30 by the Working Group on Tanks

Transmitted by the Chairman of the Working Group on Tanks

Introduction

1. After discussion in the Working Group on Tanks on document ECE/TRANS/WP.15/AC.1/2022/21, informal documents INF 6 and INF 30 the option 2 of document 2022/21 was agreed to be the clearest solution to solve the issue raised by the Russian Federation.

Proposal

2. Amend 6.8.2.1.17 to read (new wording bold underlined):

“6.8.2.1.17 *The shell thickness shall not be less than the greater of the values determined by the following formulae:*

$$e = \frac{P_T D}{2 \sigma \lambda} \qquad e = \frac{P_C D}{2 \sigma}$$

where:

e = minimum shell thickness in mm

P_T = test pressure in MPa

P_C = calculation pressure in MPa as specified in 6.8.2.1.14 **or in the table of 4.3.3.1.1**

D = internal diameter of shell in mm

σ = permissible stress, as defined in 6.8.2.1.16, in N/mm²

λ = a coefficient not exceeding 1, allowing for any weakening due to welds, and linked to the inspection methods defined in 6.8.2.1.23.

The thickness shall in no case be less than that defined in

6.8.2.1.18 /6.8.2.1.18 to | 6.8.2.1.18 to 6.8.2.1.20.”
6.8.2.1.21.