

## Economic Commission for Europe

### Inland Transport Committee

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

11 February 2022

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

Bern, 14–18 March 2022

Item 5 (a) of the provisional agenda

**Proposals for amendments to RID/ADR/ADN:  
pending issues**

### **Discussion of the working group on tanks on informal document INF.6 of the autumn 2021 session (non-destructive testing of tank welds)**

#### **Transmitted by the Government of Germany**

##### *Summary*

- Executive summary:** RID/ADR 6.8.2.1.23 provides that the methods ultrasound or radiography must be used for the testing of tank welds. There are types of tank welds for which alternative tests may be appropriate.
- Action to be taken:** Amend the footnote in 6.8.2.1.23 of RID/ADR so that it permits, with reference to the relevant standard, alternative test methods for welds that are not butt welds.
- Related documents:** Informal document INF.11 (United Kingdom) of the spring 2021 session and informal document INF.6 (CLCCR) of the autumn 2021 session of the Joint Meeting.

## **Introduction**

1. After the last Joint Meeting in the autumn of 2021, the tank working group held an informal inter-sessional meeting on 14 December 2021 to prepare for the next Joint Meeting. The group had an exchange of views concerning informal document INF.6 of the autumn 2021 session. The discussion focussed on clarifying whether test methods other than ultrasound or radiography can be used for welds on the shell that are not butt welds.

## **Proposal**

2. The informal working group on tanks has discussed this matter in detail and proposed that it be clarified by amending the footnote to RID/ADR 6.8.2.1.23. Moreover, it found that appropriate test methods are set out in Table 1 in Chapter 5.3.6.1 of standard EN 12972:2018 and can be used for tank welds. The examples provided for the weld types listed in Table 1 are considered to be non-exhaustive.

3. Therefore, it is proposed that the wording of footnote 6 (RID) and 7 (ADR) to 6.8.2.1.23 be replaced by the following:

*“Welds other than fully penetrated butt welds shall be tested in accordance with standard EN 12972:2018 (5.3.6.1, Table 1).”*

## **Justification**

4. The current wording in the first sub-paragraph of RID/ADR 6.8.2.1.23 limits the test methods to be used for welds to ultrasound and radiography. Standard EN 12972:2018 sets out further test methods. The proposed amended footnote clarifies that other types of welds must be tested in accordance with the methods set out in the standard.

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