

## 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

9 March 2018

Bern, 12-16 March 2018

Item 2 of the provisional agenda

Tanks

### **Tanks: The use of ultrasound for non-destructive tests of austenitic-ferritic stainless steels**

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

1. During discussion on INF.13 at the Autumn session, the United Kingdom informed the Working Group on Tanks that the British Institute of Non-Destructive Testing had raised an issue about the use of ultrasound for non-destructive tests of austenitic-ferritic stainless steels. Apparently, conventional ultrasound techniques are rarely used to assess the quality of welds of austenitic-ferritic stainless steels because traditionally such materials provide a high attenuation of ultrasonic waves. Accordingly, the United Kingdom gave notice of intent to prepare a proposal for the Spring session.

#### **Proposal**

2. Amend RID and ADR 6.8.2.1.23 to read (new text in italics):

“... Non-destructive tests shall be carried out by radiography or by ultrasound and shall confirm that the quality of the welding is appropriate to the stresses. *If the non-destructive tests of welds of austenitic-ferritic stainless steels are carried out by ultrasound, the method used shall have been verified to ensure that the high attenuation of ultrasonic waves provided by such materials does not compromise the inspection of the welds.*”

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