

**OTIF**



**ORGANISATION INTERGOUVERNEMENTALE POUR  
LES TRANSPORTS INTERNATIONAUX FERROVIAIRES**

**ZWISCHENSTAATLICHE ORGANISATION FÜR DEN  
INTERNATIONALEN EISENBahnVERKEHR**

**INTERGOVERNMENTAL ORGANISATION FOR INTER-  
NATIONAL CARRIAGE BY RAIL**

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Original: German

**RID: Exchange of experiences for recognized experts in accordance with paragraph  
6.8.2.4.6 of RID  
(Berne, 13 May 2008)**

**Subject: Using materials in accordance with standard EN 10025 “Hot rolled products of  
structural steels”**

**Proposed topic for discussion transmitted by Germany**

### **The problem**

Until the introduction of standard EN 14025, tanks in Germany were designed in accordance with the AD-Merkblätter (AD leaflets) as a technical code in accordance with 6.8.2.1.4.

In the AD-Merkblatt on materials, certain non-alloy structural steels conforming to EN 10025-2 were allowed for the construction of pressure vessels. This Merkblatt lays down specific values for the design at higher calculation temperatures.

With regard to the materials to be used, EN 14025 refers to standard EN 13445-2, “Unfired pressure vessels – Part 2: Materials”. This in turn refers to standard EN 10028-3, “Flat products made of steels for pressure purposes – Part 3: Weldable fine grain steels, normalized”.

EN 10025, “Hot rolled products of structural steels” is not listed in standard EN 14025 or in standard EN 13445.

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### **The approach used in Germany**

When using steels for tanks that are not listed in the standards referred to in RID Chapter 6.8, an individual approval in accordance with 4.3.3 of EN 13445-2 is required.

If standard EN 10025 is applied with this individual approval, the materials data of the version in force must be used.

### **Discussion**

What is the procedure in other States?

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