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**COMMITTEE OF EXPERTS ON THE TRANSPORT OF
DANGEROUS GOODS AND ON THE GLOBALLY
HARMONIZED SYSTEM OF CLASSIFICATION
AND LABELLING OF CHEMICALS**

**Sub-Committee of Experts on the
Transport of Dangerous Goods**

**(Twenty-second session, 2–6 December 2002,
agenda items 3(a) and 3(b))**

**DRAFT AMENDMENTS ADOPTED BY THE SUB-COMMITTEE AT ITS NINETEENTH,
TWENTIETH AND TWENTY-FIRST SESSIONS AND RELATED PROPOSALS**

**(Model Regulations and Manual of Tests and Criteria)
Criteria for the corrosiveness of liquids and solids belonging to Class 8,
Packing Group III, for steel and aluminium**

Submitted by the expert from Germany

Background

1. At the twenty-first session of the Sub-Committee of Experts on the Transport of Dangerous Goods, the revised text of ST/SG/AC.10/C.3/2002/6 (Germany) was adopted with a few corrections (see Inf.72 and draft report of the Sub-Committee of Experts, ST/SG/AC.10/C.3/2002/CRP.1/Add.13, page 3, No. 136). With regard to the reference to the steel type to be used as a standard the text for the new proposed chapter 2.8, No. 2.8.2.5, (c) (ii) second and third sentence has been kept in square brackets for further clarification whether the proposed steel, type **S235JR+CR (1.0037 resp. St 37-2)**, **S275J2G3+CR (1.0144 resp. St 44-3)** can be used in North America, too.

Researches carried out in Germany showed that the steel, type **S235JR+CR (1.0037 resp. St 37-2)**, **S275J2G3+CR (1.0144 resp. St 44-3)** is presently used in Europe and that the steel, type **ISO 3574 or Unified Numbering System (UNS) G 10200** is used in North America. Having checked the composition of both steel types it was found that there is no significant difference of the components. Being exposed to the new proposed test, the corrosion effect to both types of steel is very similar. Therefore the expert from Germany proposes to use the one or the other steel type as a reference standard.

2. Proposal

Amendments to the Model Regulations:

In Chapter 2.8, No. 2.8.2.5, (c) (ii) the second and third sentence should be amended as follows:

For the purposes of testing steel, type **S235JR+CR (1.0037 resp. St 37-2)**, **S275J2G3+CR (1.0144 resp. St 44-3)** or steel, type **ISO 3574 or Unified Numbering System (UNS) G 10200**, and for testing aluminium, non-clad, types 7075-T6 or AZ5GU-T6 shall be used. An acceptable test is prescribed in the Manual of Tests and Criteria, Part III, Section 37.

Amendments to the Manual of Tests and Criteria

37.4.1.2 Apparatus and material

For exposure to the medium being classified specimen of 2 mm thick plates shall be made of the following materials:

- Aluminium, non-clad types 7075-T6 or AZ5GU-T6 and
- Steel, type **S235JR+CR (1.0037 resp. St 37-2)**, **S275J2G3+CR (1.0144 resp. St 44-3)** or steel, type **ISO 3574 or Unified Numbering System (UNS) G 10200** (Fig. 1)

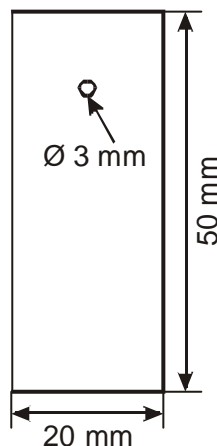


Fig. 1: specimen

After consulting the adopted text in INF.72, the expert from Germany is of the opinion that the following editorial amendments should be carried out:

37.4.1.2

In the text immediately before figure 2, amend the third sentence to read "The entrance of air, however into the receptacle should be ensured."

37.4.1.3

Amend the beginning of the fourth sentence of the second paragraph to read "In those cases an unexpected reference specimen...."

37.4.1.5

The second sentence in the note to Table 1 should be deleted as this refers to Table 2 which itself has been deleted.