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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, 11-21 September 2007
Agenda item 2

TANKS*

Heat treatment

Transmitted by the Government of France

SUMMARY

Summary: The purpose of this document is to require heat treatment of tanks intended for the carriage of gases and constructed of fine-grained steels.

Action to be taken: Amend 6.8.5.1.1.

* Circulated by the Intergovernmental Organisation for International Carriage by Rail (OTIF) under the symbol OTIF/RID/RC/2007/54.

Introduction

1. In the application of the technical codes recognized by the majority of competent authorities, heat treatment after welding is required for tanks intended for the carriage of substances of Class 2 and constructed of fine-grained steels.
2. There is no mention of heat treatment in the construction standards for tanks referred to in RID/ADR or in the standards for the materials used in the construction of these tanks.
3. We believe that this measure is important for maintaining the existing level of security and we propose that it should be retained by amending 6.8.5.1.1.

Proposal

4. Amend 6.8.5.1.1 (b) to read as follows:

“(b) Shells constructed of fine-grained steels for the carriage of:

- Substances of Class 2; and
- UN No. 1052 hydrogen fluoride, anhydrous and UN No. 1790 hydrofluoric acid with more than 85% hydrogen fluoride of Class 8 shall be heat-treated for thermal stress relief.”

Justification

Safety implications: no problem.

Feasibility: no problem.

Enforcement: this proposal will enable the level of security required in the majority of countries to be maintained.
