

Multilateral Agreement RID 8/2009

according to section 1.5.1 of RID on the carriage of UN 3468 Hydrogen in a metal hydride storage system

- (1) By derogation from the provisions of Chapter 3.2, table A and subsection 4.1.4.1 of RID, HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM or HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM, CONTAINED in EQUIPMENT or HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM PACKED WITH EQUIPMENT (UN 3468) may be carried, provided the following packing instruction is met:
 1. For metal hydride storage systems, the special packing provisions of 4.1.6 shall be met.
 2. Only pressure receptacles not exceeding 150 litres in water capacity and having a maximum developed pressure not exceeding 25MPa are covered by this packing instruction.
 3. Metal hydride storage systems meeting the applicable requirements for the construction and testing of pressure receptacles containing gas of Chapter 6.2 are authorised for the carriage of hydrogen only.
 4. When steel pressure receptacles or composite pressure receptacles which steel liners are used, only those bearing the "H" mark, in accordance with 6.2.2.9.2 (j) shall be used.
 5. Metal hydride storage systems shall meet the service conditions, design criteria, rated capacity, type tests, batch tests, routine tests, test pressure, rated charging pressure and provisions for pressure relief devices for transportable metal hydride storage systems specified in ISO 16111:2008 (Transportable gas storage devices – Hydrogen absorbed in reversible metal hydride) and their conformity and approval shall be assessed in accordance with 6.2.2.5.
 6. Metal hydride storage systems shall be filled with hydrogen at a pressure not exceeding the rated charging pressure shown in the permanent markings on the system as specified by ISO 16111:2008.
 7. The periodic test requirements for a metal hydride storage system shall be in accordance with ISO 16111:2008 and carried out in accordance with 6.2.2.6, and the interval between periodic inspections shall not exceed five years.
- (2) In addition to the prescribed details, the consignor shall note in the transport document:

"Carriage agreed according to section 1.5.1 of RID (RID 8/2009)".
- (3) This agreement shall be valid until 31 December 2010 for the carriage on the territories of those COTIF Member States signatory to this Agreement. If it is revoked before then by one of the signatories, it shall remain valid until the above mentioned date only for carriage on the territories of those COTIF Member States signatory to this agreement which have not revoked it.

Bonn, 24 November 2009

The competent authority for RID
in the Federal Republic of Germany

For the Ministry of Transport,
Building and Urban Development

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