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COMMITTEE OF EXPERTS ON THE TRANSPORT OF
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HARMONIZED SYSTEM OF CLASSIFICATION
AND LABELLING OF CHEMICALS

Sub-Committee of Experts on the
Transport of Dangerous Goods

Twenty-sixth session, 29 November-3 December 2004
Item 3 (c) of the provisional agenda

OUTSTANDING ISSUES OR PROPOSALS OF AMENDMENTS TO THE RECOMMENDATIONS
ON THE TRANSPORT OF DANGEROUS GOODS

Miscellaneous proposals

Re-inspection and testing of IBCs

Proposal in editing format and taking account of the results of the discussion of Dec. 2, 2004

Transmitted by the expert from Germany

Proposal

1. Amendmends to Part 4

1.1 Amend 4.1.1.12 as follows:

"Every packaging ~~as specified in 6.1 envisaged by chapter 6.1 and ; including IBCs,~~ intended to contain liquids shall successfully undergo a suitable leakproofness test, and be capable of meeting the appropriate test level indicated in 6.1.5.4.3, ~~or 6.5.4.7 for the various types of IBCs:~~

- (a) before it is first used for transport;
- (b) after remanufacturing or reconditioning of any packaging, before it is re-used for transport;

~~(c) after the repair or remanufacture of any IBC, before it is re-used for transport.~~

For this test the packaging, ~~or IBC,~~ need not have its closures fitted. The inner receptacle of a composite packaging ~~or IBC~~ may be tested without the outer packaging, provided the test results are not affected. This test is not necessary for inner packagings of combination packagings or large packagings."

1.1 Amend 4.1.2.2 as follows:

"Every metal, rigid plastics and composite IBC, shall be inspected and tested, as relevant, in accordance with 6.5.1.6.4 or 6.5.1.6.5:

- (a) Before it is put into service;

- (b) thereafter at intervals not exceeding two and a half and five years, as relevant;
- (c) after the repair or remanufacture, before it is re-used for transport.

~~The periodic testing and inspection requirements for IBCs are provided in Chapter 6.5.~~ An IBC shall not be filled and offered for transport after the date of expiry of the last periodic test ~~required by 6.5.4.14.3, or the date of expiry of the last periodic or~~ inspection ~~required by 6.5.1.6.4.~~ However, an IBC filled prior to the date of expiry of the last periodic test or inspection may be transported for a period not to exceed three months beyond the date of expiry of the last periodic test or inspection. In addition, an IBC may be transported after the date of expiry of the last periodic test or inspection:

- (a) after emptying but before cleaning, for purposes of performing the required test or inspection prior to refilling; and
- (b) unless otherwise approved by the competent authority, for a period not to exceed six months beyond the date of expiry of the last periodic test or inspection in order to allow the return of dangerous goods or residues for proper disposal or recycling. Reference to this exemption shall be entered in the transport document."

2. Amendments to Part 6:

2.1 Amend 6.5.1.6.2 as follows:

"Test requirements: IBCs shall be subject to design type tests and, if applicable, to initial and periodic inspections and tests in accordance with ~~6.5.4.14.6.5.1.6.4.~~"

2.2 Change heading, numbering and text of 6.5.1.6.4 and add a note as follows:

"Inspection and Testing:

Note: See also 6.5.1.6.5.2 to 6.5.1.6.5 for tests and inspections on repaired IBC's.

6.5.1.6.4.1 Every metal, rigid plastics and composite IBCs shall be inspected to the satisfaction of the competent authority:

- (a) Before it is put into service or before it is re-used for transport after remanufacture, and thereafter at intervals not exceeding five years, with regard to:
 - (i) conformity to design type including marking;
 - (ii) internal and external condition;
 - (iii) proper functioning of service equipment;

Thermal insulation, if any, need be removed only to the extent necessary for a proper examination of the body of the IBC;

- (b) At intervals of not more than two and a half years, with regard to:
 - (i) external condition;
 - (ii) proper functioning of service equipment;

Thermal insulation, if any, need be removed only to the extent necessary for a proper examination of the body of the IBC.

Each IBC shall correspond in all respects to its design type."

2.3 Introduce a new para. under 6.5.1.6.4 as follows:

"6.5.1.6.4.2 Every metal, rigid plastics and composite IBC for liquids, or for solids which are filled or discharged under pressure, shall undergo a suitable leakproofness test and be capable of meeting the appropriate test level indicated in 6.5.4.7.3 for the various types of IBCs:

- (a) before it is first used for transport;
- (b) at intervals of not more than two and a half years; and

after the repair or remanufacture of any IBC, before it is re-used for transport.

For this test the IBC need not have its closures fitted. The inner receptacle of a composite IBC may be tested without the outer casing, provided the test results are not affected."

2.4 Number the last para. of 6.5.1.6.4 and amend its text as follows:

"6.5.1.6.4.3 A report of each inspection and test shall be kept by the owner of the IBC at least until the next inspection or test. The report shall include the results of the inspection and test and shall identify the party performing the inspection and test (see also the marking requirements in 6.5.2.2.1)."

2.5 Re-allocate para. 6.5.1.6.5, renumbered as 6.5.1.6.5.1 under 6.5.1.6.6, renumbered as 6.5.1.6.5 as follows:

~~6.5.1.6.5~~ When an IBC is impaired as a result of impact (e.g. accident) or any other cause, it shall be repaired or otherwise maintained (see definition of "Routine maintenance of IBCs" in 1.2.1), so as to conform to the design type. The bodies of rigid plastics IBCs and the inner receptacles of composite IBCs that are impaired shall be replaced.

~~"6.5.1.6.6.5~~ Repaired IBCs

6.5.1.6.5.1 When an IBC is impaired as a result of impact (e.g. accident) or any other cause, it shall be repaired or otherwise maintained (see definition of "Routine maintenance of IBCs" in 1.2.1), so as to conform to the design type. The bodies of rigid plastics IBCs and the inner receptacles of composite IBCs that are impaired shall be replaced."

2.6 Renumber 6.5.1.6.6.1 into 6.5.1.6.5.2 and amend its text as follows:

~~"6.5.1.6.6.1~~ 6.5.1.6.5.2 In addition to any other testing and inspection requirements in these Regulations, an IBC shall be subjected to the full testing and inspection requirements set out in ~~6.5.4.14.3 and 6.5.1.6.4 (a)~~6.5.1.6.4, and the required reports shall be prepared, whenever it is repaired."

2.7 Renumber 6.5.1.6.6.2 and 6.5.1.6.6.3 accordingly:

~~"6.5.1.6.6.2~~ 6.5.1.6.5.3 The Party performing the tests and inspections after the repair shall durably marking the IBC near the manufacturer's UN design type marking to show:

- (a) the State in which the repair was carried out;
- (b) the name or authorized symbol of the party performing the repair; and
- (c) the date (month and year) of the tests and inspections."

~~"6.5.1.6.6.3~~ 6.5.1.6.5.4 Test and inspections performed in accordance with ~~6.5.1.6.6.1~~ 6.5.1.6.6.2 6.5.1.6.5.2 may be considered to satisfy the requirements for the two and a half and five-year periodic tests and inspections."

2.8 Delete 6.5.4.14 together with all subparagraphs.

~~"6.5.4.14~~ Testing of metal, rigid plastics and composite IBCs

~~6.5.4.14.1~~ These tests shall be carried out as required by the competent authority.

~~6.5.4.14.2~~ Each IBC shall correspond in all respects to its design type.

~~6.5.4.14.3~~ Each metal, rigid plastics and composite IBC for liquids, or for solids which are filled or discharged under pressure, shall be subjected to the leakproofness test, as an initial test (i.e., before the IBC is first used for transport), after repair and at intervals of not more than two and a half years.

~~6.5.4.14.4~~ The results of tests and the identity of the party performing the tests shall be recorded in test reports to be kept by the owner of the IBC at least until the date of the next test."
