

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

Working Party on the Transport of Dangerous Goods

Joint Meeting of the RID Safety Committee and the
Working Party on the Transport of Dangerous Goods
(Bern, 24-28 March 2003)

Annex 1 to the report of the 1st Meeting of the Joint Meeting Standards Working Group

Proposals to amend ADR/RID

Transmitted by the European Committee for Standardization (CEN)

A. General

Proposal 1: the WG propose to have a general note above the table of 6.2.2 and 6.8.2.6 as follows:

“Persons or bodies identified in standards as having responsibilities in accordance with ADR/RID shall meet the mandatory requirements in this chapter“

Justification: the WG group was of this opinion that in several standards, the meaning of the roles and responsibilities of competent/approved/inspection bodies should be aligned to the proper description as per the ADR/RID.

Proposal 1b: Switzerland proposes in addition to the previous text to insert the following text above the tables that reference standards e.g. above tables of 6.2.2 and of 6.8.2.6:
“Rules laid down in ADR/RID must not be changed by any standards.”

Justification: At the Bonn meeting we agreed, that standards are used to give technical advise where the regulations ADR/RID are open. If there are any rules laid down in ADR/RID standards cannot overrule them. That's why EN 1089 has been removed. When the regulations are changing, certain points mentioned in standards may no longer comply with the regulation. E.g. the marking according to annex A (normative) of EN 1442 does not comply with ADR/RID 2003/6.2.1.7.

To avoid confusion which rule has to be followed and to avoid discussions every time the regulation changes, we suggest putting the above-mentioned sentence into ADR/RID.

B: new references to be added in the table of 6.2. 2

B.1: for cylinders

Proposal 2

Reference	Title of document	Applicable sub-sections and paragraphs
EN 12 245:2002	Transportable gas cylinders – Fully wrapped composite cylinders <i>Note: this standard shall not be used for LPG service</i>	6.2.1.1 and 6.2.1.5

Justification:

A dedicated standard for LPG service (prEN 14427) is at Public Enquiry stage with more stringent requirements.

New comment: Sweden is opposing the exclusion of LPG on the ground that several hundred thousands of cylinders built according to the requirements of that standards (or similar) are in operation in Scandinavia and other countries in Europe. See INF.17

Proposal 3

Reference	Title of document	Applicable sub-sections and paragraphs
EN 12257:2002	Transportable gas cylinders – Seamless, hoop wrapped composite cylinders – Specification	6.2.1.1 and 6.2.1.5

Proposal 4

Reference	Title of document	Applicable sub-sections and paragraphs
EN 12 807:2001 (except Annex A)	Transportable refillable brazed steel cylinders for liquefied petroleum gas (LPG) – Design and construction	6.2.1.1 and 6.2.1.5

Action for CEN: an amendment of this standard shall be issued to change in clause 7.3.2 the reference to Dir 94/55/EC to “the applicable transport regulations”.

Proposal 5

Reference	Title of document	Applicable sub-sections and paragraphs
EN 12 205:2001	Transportable gas cylinders – Non refillable metallic gas cylinders	6.2.1.1, 6.2.1.5 and 6.2.1.7

Proposal 6

Reference	Title of document	Applicable sub-sections and paragraphs
EN 1964-2:2002	Transportable gas cylinders – Specification for the design and construction of refillable transportable seamless steel gas cylinders of capacity from 0,5 litre up to 150 litre – Part 2: Tensile strength ($R_m \max$) > 1100 N/mm ²	6.2.1.1 and 6.2.1.5

Action for CEN: the WG recommends that for the next revision of this standard, the symbols and terms (e.g. Rm) though not in use in the relevant chapter 6.2 of ADR/RID should be aligned with those that are in use in chapter 6.8 of the ADR/RID;

Proposal 7

Reference	Title of document	Applicable sub-sections and paragraphs
EN 13 293:2002	Transportable gas cylinders –Specification for the design and construction of refillable transportable seamless normalised carbon manganese steel gas cylinders of water capacity up to 0,5 litre for compressed, liquefied and dissolved gases and up to 1 litre for carbon dioxide	6.2.1.1and 6.2.1.5

B.2: for maintenance

Proposal 8

Reference	Title of document	Applicable sub-sections and paragraphs
EN 1968:2002 (except Annex B)	Transportable gas cylinders –Periodic inspection and testing of seamless steel gas cylinders (excluding LPG)	6.2.1.6

Proposal 9

Reference	Title of document	Applicable sub-sections and paragraphs
EN 1802:2002 (except Annex B)	Transportable gas cylinders – Periodic inspection and testing of seamless aluminium gas cylinders	6.2.1.6

Proposal 10

Reference	Title of document	Applicable sub-sections and paragraphs
EN 12 863:2002	Transportable gas cylinders – Periodic inspection and maintenance of dissolved acetylene cylinders <i>Note: in this standard “initial inspection” is to be understood as the “first periodic inspection” after final approval of a new acetylene cylinder.</i>	6.2.1.6

Comment : the WG has clarified that the mandatory inspection periodicities (at 5 or 10 years) apply after this additional first inspection

Proposal 11

Reference	Title of document	Applicable sub-sections and paragraphs
EN 1803:2002 (except Annex B)	Transportable gas cylinders – Periodic inspection and testing of welded steel gas cylinders (excluding LPG)	6.2.1.6

Proposal 12

Reference	Title of document	Applicable sub-sections and paragraphs
EN ISO 11623:2002 (except clause 4)	Transportable gas cylinders – Periodic inspection and testing of composite gas cylinders	6.2.1.6

Comment: Clause 4 is excluded from the reference to that standard because the WG was of the opinion that testing periodicities for composite cylinders should still be defined by the competent authorities (ref P200(8)).

B.3: for closures

Proposal 13

EN 13 152:2001	Specifications and testing for liquefied petroleum gas (LPG) – cylinder valves-self closing	6.2.2 valves	6.2.1.1
Clause 5.3.8 of EN 13152:2001/A1:2003		4.1.6.10	4.1.6.4 (d)

Comment: an amendment to this standard is at the formal vote stage to cover the testing of the valves for the use at low temperatures in order to satisfy art. 7.2 of the TPED

Proposal 14

EN 13 153:2001	Specifications and testing for liquefied petroleum gas (LPG) – cylinder valves-manually operated	6.2.2 valves	6.2.1.1
Clause 5.3.8 of EN 13153:2001/A1:2003		4.1.6.10	4.1.6.4 (d)

Comment: an amendment to this standard is at the formal vote stage to cover the testing of the valves for the use at low temperatures in order to satisfy art. 7.2 of the TPED

C: new references to be added in the table of 6.8.2.6 of ADR only

Proposal 15

Reference	Title of document	Applicable sub-sections and paragraphs
EN 12493:2001 (except Annex C)	Welded steel tanks for liquefied petroleum gas (LPG) – Road tankers – Design and manufacture Note: Road tankers is to be understood in the meaning of “fixed tanks” and “demountable tanks” as per ADR	6.8.2.1 (with the exception of 6.8.2.1.17); 6.8.2.4.1 (with the exclusion of the leakproofness test); 6.8.2.5.1, 6.8.3.1 and 6.8.3.5.1

Proposal 16

Reference	Title of document	Applicable sub-sections and paragraphs
EN 12 252:2000	Equipping of LPG road tankers Note: Road tankers is to be understood in the meaning of “fixed tanks” and “demountable tanks” as per ADR	6.8.3.2 (with the exception of 6.8.3.2.3)

Proposal 17

Reference	Title of document	Applicable sub-sections and paragraphs
EN 13 530-2:2002	Cryogenic vessels – Large transportable vacuum insulated vessels – Part 2: Design, fabrication, inspection and testing	6.8.2.1 (with the exception of 6.8.2.1.17), 6.8.2.4, 6.8.3.1 and 6.8.3.4

Comment: The standard considers “cold stretching” or “pressure strengthening” as a method to increase the mechanical characteristics of the vessel. “Pressure strengthening” of assemblies in stainless steels is accepted by all pressure codes in Europe for static and transportable vessels. The standard will harmonize the existing practices.

Action for CEN: CEN will initiate an amendment to correct the cross-reference to paragraph c) in 4.2.7.1 and to clarify that Class B shall be used in the standards for X-ray examination referred to in 6.3.1

Proposal 18

Reference	Title of document	Applicable sub-sections and paragraphs
EN 13 316: 2002	Tanks for transporting dangerous goods – Service equipment – Pressure balanced footvalve	6.8.2.2 and 6.8.2.4.1
EN 13 308: 2002	Tanks for transport of dangerous goods – Service equipment – Non pressure balanced footvalve	6.8.2.2 and 6.8.2.4.1
EN 13 314: 2002	Tanks for transport of dangerous goods – Fill hole cover	6.8.2.2 and 6.8.2.4.1
EN 13 317:2002	Tanks for transporting dangerous goods – Service equipment – Manhole cover assembly	6.8.2.2 and 6.8.2.4.1

Comment: these four standard refer extensively to the requirements of prEN 12266-1 and prEN 12266-2. These standards will be circulated by CEN to the members of the WG who will have an opportunity to raise objections before the next meeting of the WG during the JM in March 2003.

New comments from members of the Joint Meeting:

Switzerland:

- a) rate B is not acceptable as a leakage rate after the drop/break-away test.

Finland:

- b) the tests indicated in this standard cannot be used for type testing (e.g. there is no endurance test). It would be clearer if there were a clear reference to the standard which could be used for type testing of valves.

Comments from the CEN consultant:

- a) leakage rate A (bubble tight) is used for the production tightness test; the next less stringent leakage rate (rate B) should be acceptable after a dynamic test that simulates an accident
- b) The provisions of the submitted standards supplement or precise the requirements of 12266-1,-2. An endurance test is foreseen in the standards for foot-valves (25 Openings)

D: Other standards

D.1: The WG accepted the reference to the following standards provided no modification to the technical/legal requirements are introduced in the published texts.

Reference	Title of document	Where to refer in ADR/RID
pr EN 417:1992 rev 2003	Non-refillable metallic gas cartridges for liquefied petroleum gases, with or without a valve, for use with portable appliances – Construction, inspection, testing and marking	6.2.4.3

Reference	Title of document	Where to refer in ADR/RID	Applicable sub-sections and paragraphs
prEN 14 189	Transportable gas cylinders – Inspection and maintenance of cylinder valves at time of periodic inspection of gas cylinders	6.2.2	6.2.1.6

D.2: The WG didn't consider the following documents since they are related to provisions of the Model Regulations. The UN Committee should decide first on the future of these standards

Reference	Title of document	Where to refer in ADR/RID
prEN ISO 16 104	Packaging – Transport packaging for dangerous goods – Test methods	6.1
prEN ISO 16 467	Packaging – Transport packaging for dangerous goods – Test methods for IBCs	6.5
