

**Information regarding the development of EN standards for reference in the
ADR/RID**

Transmitted by the European Committee for Standardisation (CEN)

The document in Appendix is issued as a regular update on the status of the CEN standards that are considered as eventual candidates for reference in ADR/RID.

Since the previous update tabled as INF.16 at the March 2002 session of the Joint Meeting, the following documents have been issued by CEN for the 6 months public enquiry:

Doc ref	Title
prEN 14398-2	Cryogenic vessels - Large transportable non-vacuum insulated vessels -Part 2: Design, fabrication, inspection and testing
prEN 14402	Transportable refillable brazed steel cylinders for liquefied petroleum gas (LPG) - Periodic requalification
prEN 14427	Transportable refillable fully wrapped composite cylinders for liquefied petroleum gases - Design and construction
prEN 14432	Tanks for transport of dangerous goods - Tank equipment for the transport of liquid chemicals - Product discharge and air inlet valves
prEN 14433	Tanks for transport of dangerous goods - Tank equipment for the transport of liquid chemicals - Footvalves
prEN 14512	Tanks for the transport of dangerous goods - Tank equipment for the transport of liquid chemicals - Hinged manhole cover and neckrings

Those documents can be requested from the CEN National Members (the standardisation institutes from the countries of EEA + Czech Republic) or from the Affiliates or Corresponding Members. The CEN website <http://www.cenorm.be/aboutcen/whatis/membership/> can be consulted for more recent information on its members, affiliates or corresponding members.

These documents will be presented to the Joint Meeting by the CEN consultant when they will be at their final stage ready for formal vote.

Reference in RID/ADR (restructured) to published standards and standards in preparation at CEN TC 23/256/261/268/286/296

Notes: the standards (published or in preparation) are noted in the following lists as follows:

1. in **normal bold**: standards that have been adopted for reference
2. in **italic bold**: standards that have been proposed for future reference
3. in normal: standards in preparation for future reference
4. in *italic*: “supporting” standards; i.e. standards published or in preparation that are not candidates for future reference in ADR/RID but that are related to the provisions of ADR/RID and useful for the users of the regulations

Part 1 General provisions, definitions and training

1.2 Definitions and units of measurements

Standards referred to in 1999 edition:

ASTM D 4359-90 in the definition of “liquid” and “solid”

Part 2 Classification

2.2 Class specific provisions

2.2.2 Class 2 Gases

2.2.2.1 Criteria

Standards referred to in 1999 edition:

ISO 10156: 1990 flammability and oxidising ability

~~ISO 10298: 1995 toxicity criteria (only for the LC50's values) reference deleted at JM Sep.2001~~

2.2.3 Class 3 Flammable liquids

2.2.3.1 Criteria

Standards referred to in 1999 edition:

ASTM D 4359-90

ISO 2431: 1984

2.2.41 Class 4.1 Flammable solids

2.2.41 Criteria

Standards referred to in 1999 edition:

ASTM D 4359-90

ISO 2431: 1984

2.2.8 Class 8 Corrosive substances

2.2.8.1 Criteria

Standards referred to in 1999 edition:

ASTM G31-72

ISO 9328

2.3 Test methods

2.3.2 tests relating to flammable liquids of Classes 3, 6.1 and 8

Standards referred to in 1999 edition:

for flash-point

ISO 1516; ISO 1523: 1983; ISO 2719: 1988; ISO 3679:1983; ISO 3680: 1983;

EN 22719: 1994

ASTM D56: 1993; ASTM D93: 1994; BS 2000 Part170: 1995; DIN 51755; Part1: 1974; DIN 51755, Part2: 1978; DIN 53213, Part 1: 1978; NF MO7-011:1988; ; NF MO7-036:1984; NF T66-009: 1969

IP 34: 1988

for fluidity

ISO 2137: 1985

Part 3 Dangerous goods list

no reference to standards foreseen

Part 4 Packing requirements (including use of packagings, IBC's, tanks, containers and vehicles for packing purposes)

4.1.4 List of packing instructions

In P200:

Published standards referred to in 2001 edition:

Doc ref	Title of document
EN 1439:1996	Transportable refillable welded steel cylinders for liquefied petroleum gases (LPG) - Procedures for checking before, during and after refilling (ADR only)
EN 1440:1996	Transportable refillable welded steel cylinders for liquefied petroleum gases (LPG) - Periodic requalification
EN 1801:1998	Filling conditions for single acetylene cylinders
EN 12755:2000	Filling conditions for acetylene bundles

Standards to refer to in future editions

Doc ref	Title of document	Status
EN 1919:2000	Transportable gas cylinders - Cylinders for liquefied gases (excluding acetylene and LPG) - Inspection at time of filling	Adopted at JM March 2002
EN 1920:2000	Transportable gas cylinders - Cylinders for compressed gases (excluding acetylene) - Inspection at time of filling	Adopted at JM March 2002
EN 12754:2001	Transportable gas cylinders - Cylinders for dissolved acetylene - Inspection at time of filling	Adopted at JM March 2002
EN 13365: 2002	Transportable gas cylinders - Cylinder bundles for permanent and liquefied gases (excluding acetylene) - Inspection at the time of filling	Not yet proposed
prEN 13952	LPG cylinders- Filling procedures	Document issued for comments
WI 286058	Transportable refillable composite cylinders for liquefied petroleum gas (LPG) - Procedure for checking before, during and after filling	Document not yet at public enquiry stage
WI 286060	Transportable refillable welded steel cylinders for Liquefied Petroleum Gas (LPG) Alternative design and construction- Procedure for checking before, during and after filling	Document not yet at public enquiry stage
WI 286062	Transportable refillable aluminium cylinders for liquefied petroleum gas (LPG) - Procedure for checking before, during and after filling	Document not yet at public enquiry stage

“Supporting” standards (see note on top of document)

prEN 13096	Transportable gas cylinders - Conditions for filling gases into cylinders - Single component gases
prEN 13099	Transportable gas cylinders - Conditions for filling gas mixtures into cylinders

In P203:

Standards to refer to:

- no reference to standards foreseen

In P204:

Standards referred to:

- for aerosol dispensers (1950 aerosols): Annex to the **Council Directive 75/324/EEC** as amended by Commission Directive 94/1/EC

- for 2037 gas cartridges containing 1965 hydrocarbon gas mixture, liquefied:

EN 417: 1992 Non-refillable metallic gas cartridges for liquefied petroleum gases, with or without a valve, for use with portable appliances - Construction, inspection, testing and marking

Standards to refer to in future editions when published:

WI n°	Doc ref	Title of document	Status
GAS CARTRIDGES			
157002	prEN417:1992 rev 2002	Non-refillable metallic gas cartridges for liquefied petroleum gases, with or without a valve, for use with portable appliances - Construction, inspection, testing and marking	Document at formal vote, presented at JM March 2002

4.1.6 Special packing provisions for goods of Class 2

Published standards referred to in 2001 edition:

Doc ref	Title of document
EN 1795:1997	Gas cylinders (excluding LPG) - Procedures for change of gas service
EN 962:1996/A2:2000	Valve protection caps and valve guards for industrial and medical gas cylinders- design, construction and tests- Amendment 2

Standards to refer to in future editions when published:

Doc ref	Title of document	Status
Annex A of EN 849:1996/A2:2001	Cylinder valves: Specifications and type testing - Amendment 2	adopted at JM Sep 2001 for 2003 edition
EN 13152:2001 (impact testing only)	Specifications and testing for liquefied petroleum gas (LPG) - cylinder valves-self closing	submitted to JM at May 2001 meeting; proposed for reference at JM March 2002
EN 13153:2001 (impact testing only)	Specifications and testing for liquefied petroleum gas (LPG) - cylinder valves-manually operated	submitted to JM at May 2001 meeting; proposed for reference at JM March 2002

4.2 Use of UN portable tanks

no reference to CEN standard foreseen

4.3 Use of fixed tanks, tank-vehicles, demountable tanks, battery vehicles and RID/ADR tank-containers

“Supporting” standards (see note on top of document)

Doc ref	Title of document
EN 13385: 2002	Transportable gas cylinders - Battery vehicles for permanent and liquefied gases (excluding acetylene) - Inspection at the time of filling
EN 13720:2002	Filling conditions for acetylene cylinder battery trailers
EN 13776:2002	Filling and discharge procedures for LPG road tankers
	Discharge procedures for LPG rail tankers
	Tanks for transport of liquid dangerous goods with vapour pressure not exceeding 110 kPa at 50°C and gravity drained (including petrol) - Operating conditions

Part 5 Consignments procedures

5.2 Marking and labelling of packages

Published standards adopted for reference in 2001 edition in 5.2.2.2.1.2:

Doc ref	Title of document
ISO 7225:1994 (Dimensions only)	Precautionary labels for gas cylinders-Design, content and application

“Supporting” standards (see note on top of document)

EN 1089-3:1997	Transportable gas cylinders - Gas cylinder identification - Part 3: Colour coding
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Part 6 Requirements for the construction and testing of packagings, IBC's and tanks

6.1 Requirements for the construction and testing of packagings

Standards to refer to in 6.1.5 when published:

WI n°	Doc ref	Title of document	Status
261231	prEN ISO 16101	Packaging - Transport packages for dangerous goods - Plastics compatibility testing	Document available for comment
261232		Packaging - Transport packages for dangerous goods - Quality assurance programmes for the manufacture and testing of packaging and IBCs	No document ready for comment
261255	prEN ISO16104	Packaging - Transport packages for dangerous goods - Test methods for packaging	Document available for comment
261258		Packaging - Transport packages for dangerous goods - Leak proof	No document ready for

		testing	comment
261289		Packaging - Transport packages for dangerous goods - Recycled plastics material	No document ready for comment

6.2 Requirements for the construction and testing of receptacles, aerosols and cartridges for gases

Published standards referred to in 2001 edition in 6.2.2:

Doc ref	Title of document
CYLINDERS	
Annex I, Parts 1 to 3 to 84/525/EEC	Council directive on the approximation of the laws of the Member States relating to seamless steel gas cylinders
Annex I, Parts 1 to 3 to 84/526/EEC	Council directive on the approximation of the laws of the Member States relating to welded unalloyed steel gas cylinders
Annex I, Parts 1 to 3 to 84/527/EEC	Council directive on the approximation of the laws of the Member States relating to seamless, unalloyed aluminium and aluminium alloy gas cylinders
EN 1442:1998	Transportable refillable welded steel cylinders for liquefied petroleum gas (LPG) - Design and construction
EN 1800:1998	Transportable gas cylinders - Acetylene cylinders- Basic requirements and definitions
EN 1964-1:1999	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 1: Seamless steel with a maximum Rm value of 1100 N/mm ²
EN 1964-3:2000	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 3: Cylinders made of stainless steel
EN 1975:1999 (except Annex G)	Transportable gas cylinders - Specification for the design and construction of refillable transportable seamless aluminium alloy gas cylinders of capacity from 0.5 litre up to 150 litre
EN12862:2000	Transportable gas cylinders - Specification for the design and construction of refillable transportable welded aluminium alloy gas cylinders
TUBES	
EN ISO 11120:1999	Gas cylinders - Refillable seamless steel tubes for compressed gas transport of water capacity between 150 litre and 3000 litre - Design, construction and testing
PRESSURE DRUMS	
CRYOGENIC RECEPTACLES	
EN 1251-1:2000	Cryogenic vessels- Transportable, vacuum insulated, of not more than 1000 litres volume - Part 1: Fundamental requirements
EN 1251-2:2000	Cryogenic vessels- Transportable, vacuum insulated, of not more than 1000 litres volume - Part 2: Design, fabrication, inspection and testing
EN 1251-3:2000	Cryogenic vessels- Transportable, vacuum insulated, of not more than 1000 litres volume - Part 3: Operational requirements
CYLINDER BUNDLES	
MATERIALS	
EN 1797-1:1998 :2001	Cryogenic vessels-Gas/material compatibility Part 1: Oxygen compatibility (modification of title and reference adopted at JM Sep.2001)
EN ISO 11114-1:1997	Transportable gas cylinders - Compatibility of cylinder and valve materials with gas contents- Part 1: Metallic materials
EN ISO 11114-2:2000	Transportable gas cylinders - Compatibility of cylinder and valve materials with gas contents- Part 2: Non-metallic materials
MARKING	
EN 1089-1:1996	Gas cylinder identification Part 1: Stampmarking
VALVES	
EN 849:1996 (except Annex-A) /A2 :2001)	Cylinder valves: Specifications and type testing (modification of reference adopted at JM Sep.2001)

Standards to refer to in future editions when published:

WI n°	Doc ref	Title of document	Status
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CYLINDERS			
23006	prEN 13293	Transportable gas cylinders - Specification for the design and construction of refillable transportable seamless normalised carbon manganese steel gas cylinders up to and including 11litre	Document at formal vote
23008	prEN 13322-1	Transportable gas cylinders - Refillable welded steel gas cylinders - Design and construction - Part 1: Welded steel	Document at formal vote
23009	prEN 13322-2	Transportable gas cylinders - Refillable welded stainless steel gas cylinders - Design and construction - Part 1: Welded stainless steel	Document at formal vote
[23013]	EN 12245:2002	Transportable gas cylinders - Fully wrapped composite cylinders	submitted to JM Sep. 2000 in Inf.Doc.8; submitted for adoption at JM Mar.2002]
[23014]	EN 12205:2001	Transportable gas cylinders - Non refillable metallic gas cylinders	; submitted to JM Sep.99 by Inf. Doc. 7; submitted for adoption at JM Mar.2002]
[23050]	EN 12257:2002	Transportable gas cylinders - Seamless, hoop wrapped composite cylinders -Specification	submitted to JM Sep. 2000 in Inf.Doc.8; submitted for adoption at JM Mar.2002]
[23053]	EN 1964-2:2001	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	submitted to JM at Sep. 2001 meeting; submitted for adoption at JM Mar.2002]
23086	EN 1975:1999/prA1	Transportable gas cylinders - Specification for the design and construction of refillable transportable seamless aluminium alloy gas cylinders of capacity from 0.5 litre up to 150 litre	Document available for comment
[286002]	EN 12807:2001	Transportable refillable brazed steel cylinders for liquefied petroleum gas (LPG) - Design and construction	submitted to JM Sep.2000 in Inf.Doc.8; submitted for adoption at JM Mar.2002]
286037	prEN 13110	Transportable refillable welded aluminium cylinders for liquefied petroleum gas (LPG) - Design and construction	Document at formal vote
286056	prEN 14140	Transportable refillable welded steel cylinders for liquefied petroleum gas (LPG) - Alternative design and construction	Document available for comment
286057	prEN 14427	Transportable refillable composite cylinders for LPG - design and construction	Document available for comment
PRESSURE DRUMS			
23054	PrEN14208	Welded steel drums: cap < 1000l	Document available for comment
BUNDLES OF CYLINDERS			
23069	prEN 13769	Transportable gas cylinders - Cylinder bundles -Design, manufacture, identification and testing	Document available for comment
VALVES			
286009	EN 13152:2001	Specifications and testing for liquefied petroleum gas (LPG) - cylinder valves-self closing	Issued for CEN formal approval; submitted to JM at May 2001 meeting in Inf.8; submitted for adoption at JM Mar.2002
286010	EN 13153:2001	Specifications and testing for liquefied petroleum gas (LPG) - cylinder valves-manually operated	Issued for CEN formal approval; submitted to JM at May 2001 meeting in Inf. 8; submitted for adoption at JM Mar.2002
PERIODIC INDECTION			
[23040]	EN 1968:2002	Transportable gas cylinders - Periodic inspection and testing of seamless steel gas cylinders (excluding LPG)	submitted for comments to JM at Sep. 2001 meeting]; submitted for adoption at JM Mar.2002
[23052]	EN ISO 11623:2002	Transportable gas cylinders - Periodic inspection and testing of composite gas cylinders	submitted to JM Sep. 2000 in Inf.Doc.8]; [; submitted for adoption at JM Mar.2002
23057	EN 12863:2002	Transportable gas cylinders - Periodic inspection and maintenance of dissolved acetylene cylinders	published and submitted for comments at JM March 2002 with INF.17. Submitted for adoption at JM Sep.2002
[23064]	EN 1802:2002	Transportable gas cylinders - Periodic inspection and testing of	submitted for comments to

		<i>seamless aluminium gas cylinders</i>	<i>JM at Sep. 2001 meeting; submitted for adoption at JM Mar.2002]</i>
23065	EN 1803:2002	Transportable gas cylinders - Periodic inspection and testing of welded steel gas cylinders (excluding LPG)	Submitted for comments to JM at Mar. 2002 meeting. <i>Submitted for adoption at JM Sep.2002</i>
286032	PrEN 14402	Brazed steel cylinders for LPG - Periodic requalification	<i>Document ready for comment</i>

“Supporting” standards (see note on top of document)

<i>Doc ref</i>	<i>Title of document</i>
<i>EN ISO 13340:2001</i>	<i>Transportable gas cylinders - Cylinder valves for non-refillable cylinders - Specifications and type testing</i>
<i>Tech. Report</i>	<i>Transportable gas cylinders - High porosity porous masses for acetylene cylinders</i>
<i>WI 23084</i>	<i>Transportable gas cylinders - Gas cylinder valves - Inspection and maintenance</i>
<i>WI 23030</i>	<i>Gas cylinders - Safety devices to protect the cylinder against over-pressurisation - Specification and testing (bursting discs, relief valves, fusible plugs,...)</i>
<i>EN ISO 11114-3: 1997</i>	<i>Transportable gas cylinders - Compatibility of cylinder and valve materials with gas contents- Part 3: Autogenous ignition test in oxygen atmosphere</i>
<i>PrEN 13953</i>	<i>Pressure relief valves for LPG cylinders</i>

Published standards referred to in 2001 edition in **6.2.4**:

Doc ref	Title of document
AEROSOLS	
Annex to the Council Directive 75/324/EEC as amended by Commission Directive 94/1/EC	
GAS CARTRIDGES	
EN 417:1992	Non-refillable metallic gas cartridges for liquefied petroleum gases, with or without a valve, for use with portable appliances - Construction, inspection, testing and marking

Standards to refer to in future editions when published:

WI n°	Doc ref	Title of document	Status
GAS CARTRIDGES			
157002	prEN417:1992 rev 2002	Non-refillable metallic gas cartridges for liquefied petroleum gases, with or without a valve, for use with portable appliances - Construction, inspection, testing and marking	Document at formal vote, presented at JM March 2002

6.3 Requirements for the construction and testing of packagings for Class 6.2 substances

Standards to refer to:

no reference to CEN standard foreseen

6.5 Requirements for the construction and testing of intermediate bulk containers (IBC's),

Standards to refer to:

WI n°	Doc ref	Title of document	Status
261206	prEN ISO 16467	Packaging - Transport packages for dangerous goods -Test methods for IBCs	Document available for comment
261232		Packaging - Transport packages for dangerous goods - Quality assurance programmes for the manufacture and testing of packaging and IBCs	No document ready for comment
261xxx		Packaging - Transport packages for dangerous goods - Recycled plastics material	No document ready for comment

6.8 Requirements for the construction and testing of fixed tanks (tank-vehicles), demountable tanks, battery-vehicles and RID/ADR tank-containers

Standards referred to:

ISO R 148

Standards to refer to in 6.8.2

WI n°	Doc ref	Title of document	Status
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GENERIC TANKS			
296002	prEN 13094	Tanks for the transport of dangerous goods - Non-pressure metallic tanks - Design and construction	Document available for comment
296003	prEN 14025	Tanks for transport of dangerous goods -P >50 kPa - design and construction	Document available for comment
296008	prEN 13314	Tanks for transport of dangerous goods - Service equipment - Fill hole cover	Document ready for formal vote; submitted to JM Mar 2002
296011	prEN 13308	Tanks for transport of dangerous goods - Service equipment - Non pressure balanced footvalve	Document ready for formal vote; submitted to JM Mar 2002
296018	EN 12972:2001 (except annex C and D)	Tanks for transport of dangerous goods - Testing, inspection and marking of metallic tanks.	adopted at JM May 2001 for 2003 edition
296020	prEN 13316	Tanks for transporting dangerous goods - Service equipment - Pressure balanced footvalve	Document ready for formal vote; submitted to JM Mar 2002
296022	prEN 14432	Tanks for transport of dangerous goods - Tank equipment for the transport of liquid chemicals - Product discharge and air inlet valves	Document ready for comment
296024	prEN 14433	Tanks for transport of dangerous goods - Tank equipment for the transport of liquid chemicals - Foot valve	Document ready for comment
296025		Tanks for transport of dangerous goods - Tank equipment for the transport of liquid chemicals - Hinged manholes, collars and fixing	No document ready for comment
296027	prEN 13317	Tanks for transporting dangerous goods - Service equipment - Manhole cover assembly	Document ready for formal vote; submitted for comments to JM Mar 2002
LPG TANKS			
<i>[286007]</i>	<i>EN 12493:2001</i>	<i>Design and manufacture of welded steel tanks for LPG road tankers.</i>	<i>Submitted for comments to WP15 Nov 2000; submitted for adoption WP15 May 2002]</i>
286008		Design and manufacture of welded steel tanks for LPG rail tankers.	No document ready for comment
<i>[286021]</i>	<i>EN 12252:2000</i>	<i>Equipping of LPG road tankers</i>	<i>Document published; submitted to WP15 Nov2000]</i>
CRYOGENIC TANKS			
268022	prEN 14398-2	Large transportable non-vacuum insulated vessels -Part 2: Design, fabrication, inspection and testing	Document issued for comment
268025	prEN 13530-2	Cryogenic vessels - Large transportable vacuum insulated vessels - Part 2: Design, fabrication, inspection and testing	Document issued for formal vote; submitted for comments to WP15 Nov.2001

Standards to refer to in 6.8.3

WI n°	Doc ref	Title of document	Status
23070	prEN 13807	Cylinder battery trailers -design, manufacture, identification and testing	document available for comment

Standards to refer to in 6.8.5:

WI n°	Doc ref	Title of document	Status
	EN 1252-1: 1998	Cryogenic vessels - Materials - Part 1: Toughness requirements for temperature below -80°C	In 2001 edition in 6.2.2; moved to 6.8.5 for 2003 edition
	EN 1252-2:2001	Cryogenic vessels - Materials - Part 1: Toughness requirements for temperature between -80°C and -10°C	adopted at JM May 2001 for 2003 edition]

“Supporting” standards (see note on top of document)

Doc ref	Title of document
EN 12561-1:1998	Railway applications - Tank wagons - Part1: Marking of tank wagons for the carriage of dangerous goods
prEN 12561-2	Railway applications - Tank wagons - Part 2: Bottom emptying devices for liquid products including vapour return
prEN 12561-3	Railway applications - Tank wagons - Part 3: Bottom filling and emptying devices for gases liquefied under pressure
prEN 12561-4	Railway applications - Tank wagons - Part 4: Top devices for top emptying and filling of liquid products.
prEN 12561-5	Railway applications - Tank wagons - Part 5: Top devices for bottom emptying and top filling of liquid products.
prEN 12561-6	Railway applications - Tank wagons - Part 6: Manholes .
EN 13081:2001	Tanks for transport of dangerous goods - Service equipment for tanks - Vapour collection adaptor and vapour

	<i>collection coupler</i>
<i>EN 13082:2001</i>	<i>Tanks for transport of dangerous goods - Service equipment - Vapour transfer valve</i>
<i>EN 13083:2001</i>	<i>Tanks for transport of dangerous goods - Service equipment - Adaptor for bottom loading and unloading</i>
<i>prEN 13175</i>	<i>Specifications and testing for LPG tank valves and fittings</i>
<i>296009</i>	<i>Tanks for transport of liquid dangerous goods - Tanks with vapour pressure not exceeding 110kPa at 50°C - Service equipment for tanks - Pressure and vacuum breather vent</i>
<i>296010</i>	<i>Tanks for transport of liquid dangerous goods - Tanks with vapour pressure not exceeding 110kPa at 50°C - Service equipment for tanks - Emergency venting</i>
<i>prEN 13315</i>	<i>Tanks for transport of dangerous goods - Service equipment - Gravity discharge coupler</i>
<i>296022</i>	<i>Tanks for transport of dangerous goods - Tank equipment for the transport of liquid chemicals - Air inlet and discharge valve</i>
<i>prEN 13530-1</i>	<i>Cryogenic vessels - Large transportable vacuum insulated vessels - Part 1: Fundamental requirements</i>
<i>PrEN 14398-1</i>	<i>Large transportable non-vacuum insulated vessels- part 1: Fundamental requirements</i>
<i>prEN 13530-3</i>	<i>Cryogenic vessels - Large transportable vacuum insulated vessels - Part 3: Operational requirements</i>
<i>prEN 14398-3</i>	<i>Large transportable non-vacuum insulated vessels -Part 3: Operational requirements</i>
<i>prEN 13648-1</i>	<i>Cryogenic vessels - Safety devices for protection against excessive pressure - Part 1: Safety valves for cryogenic services</i>
<i>prEN 13648-2</i>	<i>Cryogenic vessels - Safety devices for protection against excessive pressure - Part 2: Bursting discs for cryogenic services</i>
<i>prEN 13648-3</i>	<i>Cryogenic vessels - Safety devices for protection against excessive pressure - Part 3: Determination of required discharge capacity and sizing for relief devices</i>
<i>EN 1626:1999</i>	<i>Cryogenic vessels- valves for cryogenic service</i>
<i>EN 12300:1998</i>	<i>Cryogenic vessels - Cleanliness for cryogenic service</i>
<i>EN 12434: 2000</i>	<i>Cryogenic vessels - Cryogenic flexible hoses</i>
<i>prEN 13799</i>	<i>Contents gauge for LPG tanks</i>
<i>prEN 14071</i>	<i>Pressure relief valves for LPG tanks - Ancillary equipment</i>
<i>PrEN 14334</i>	<i>Inspection and testing of LPG road tankers</i>
<i>286028</i>	<i>Requalification procedures for LPG rail tankers</i>
<i>PrEN 16421</i>	<i>Pressure relief valves for LPG tanks</i>

Part 7 Provisions concerning the conditions of carriage, loading, unloading and handling

7.5.1 Handling and stowage

“Supporting” standards (see note on top of document)

<i>EN 12640:2000</i>	<i>Securing of cargo on road vehicles – lashing points on commercial vehicles for goods transportation – Minimum requirements and testing</i>
<i>prEN 12642</i>	<i>Securing of cargo on road vehicles - Body structure of commercial vehicles- Minimum requirements</i>