Commission communication in the framework of the implementation of Directive 97/23/EC of the European Parliament and of the Council of 29 May 1997 on the approximation of the laws of the Member States concerning pressure equipment

(Publication of titles and references of harmonised standards under Union harmonisation legislation)

(Text with EEA relevance)

(2014/C 313/02)

The following list contains references to harmonised standards for pressure equipment and harmonised supporting standards for materials used in manufacturing pressure equipment. In the case of a harmonised supporting standard for materials, presumption of conformity to the essential safety requirements is limited to technical data of materials in the standard and does not presume adequacy of the material to a specific item of equipment. Consequently the technical data stated in the material standard shall be assessed against the design requirements of this specific item of equipment to verify that the essential safety requirements of the Pressure Equipment Directive are satisfied.

ESO ([1])	Reference and title of the harmonised standard (and reference document)	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
(1)	(2)	(3)	(4)
CEN	EN 3-8:2006 Portable fire extinguishers — Part 8: Additional requirements to EN 3-7 for the construction, resistance to pressure and mechanical tests for extinguishers with a maximum allowable pressure equal to or lower than 30 bar		
	EN 3-8:2006/AC:2007		
CEN	EN 19:2002 Industrial valves — Marking of metallic valves		
CEN	EN 267:2009+A1:2011 Automatic forced draught burners for liquid fuels	EN 267:2009 Note 2.1	Date expired (3.8.2012)
CEN	EN 287-1:2011 Qualification test of welders — Fusion welding — Part 1: Steels	EN 287-1:2004 Note 2.1	Date expired (3.8.2012)
CEN	EN 334:2005+A1:2009 Gas pressure regulators for inlet pressures up to 100 bar	EN 334:2005 Note 2.1	Date expired (31.7.2009)
CEN	EN 378-2:2008+A2:2012 Refrigerating systems and heat pumps — Safety and environmental requirements — Part 2: Design, construction, testing, marking and documentation	EN 378-2:2008 +A1:2009 Note 2.1	Date expired (30.11.2012)
CEN	EN 593:2009+A1:2011 Industrial valves — Metallic butterfly valves	EN 593:2009 Note 2.1	Date expired (30.9.2011)
CEN	EN 676:2003+A2:2008 Automatic forced draught burners for gaseous fuels		
	EN 676:2003+A2:2008/AC:2008		

(1)	(2)	(3)	(4)
CEN	EN 764-5:2002 Pressure Equipment — Part 5: Compliance and Inspection Documentation of Materials		
CEN	EN 764-7:2002 Pressure equipment — Part 7: Safety systems for unfired pressure equipment		
	EN 764-7:2002/AC:2006		
CEN	EN 1057:2006+A1:2010 Copper and copper alloys — Seamless, round copper tubes for water and gas in sanitary and heating applications	EN 1057:2006 Note 2.1	Date expired (31.8.2010)
CEN	EN 1092-1:2007+A1:2013 Flanges and their joints — Circular flanges for pipes, valves, fittings and accessories, PN designated — Part 1: Steel flanges	EN 1092-1:2007 Note 2.1	Date expired (21.1.2014)
CEN	EN 1092-3:2003 Flanges and their joints — Circular flanges for pipes, valves, fittings and accessories, PN designated — Part 3: Copper alloy flanges		
	EN 1092-3:2003/AC:2007		
CEN	EN 1092-4:2002 Flanges and their joints — Circular flanges for pipes, valves, fittings and accessories, PN designated — Part 4: Aluminium alloy flanges		
CEN	EN 1171:2002 Industrial valves — Cast iron gate valves		
CEN	EN 1252-1:1998 Cryogenic vessels — Materials — Part 1: Toughness requirements for temperatures below - 80 °C		
	EN 1252-1:1998/AC:1998		
CEN	EN 1252-2:2001 Cryogenic vessels — Materials — Part 2: Toughness requirements for temperatures between - 80 °C and - 20 °C		
CEN	EN 1349:2009 Industrial process control valves	EN 1349:2000 Note 2.1	Date expired (31.5.2010)
CEN	EN 1515-4:2009 Flanges and their joints — Bolting — Part 4: Selection of bolting for equipment subject to the Pressure Equipment Directive 97/23/EC		
CEN	EN 1562:2012 Founding — Malleable cast irons	EN 1562:1997 Note 2.1	Date expired (30.9.2012)
CEN	EN 1563:2011 Founding — Spheroidal graphite cast irons	EN 1563:1997 Note 2.1	Date expired (3.8.2012)
CEN	EN 1564:2011 Founding — Ausferritic spheroidal graphite cast irons	EN 1564:1997 Note 2.1	Date expired (3.8.2012)
CEN	EN 1591-1:2013 Flanges and their joints — Design rules for gasketed circular flange connections — Part 1: Calculation	EN 1591-1:2001 +A1:2009 Note 2.1	The date of this publication

(1)	(2)	(3)	(4)
CEN	EN 1626:2008 Cryogenic vessels — Valves for cryogenic service	EN 1626:1999 Note 2.1	Date expired (31.5.2009)
CEN	EN 1653:1997 Copper and copper alloys — Plate, sheet and circles for boilers, pressure vessels and hot water storage units		
	EN 1653:1997/A1:2000	Note 3	Date expired (28.2.2001)
CEN	EN 1759-3:2003 Flanges and their joints — Circular flanges for pipes, valves, fittings and accessories, Class designated — Part 3: Copper alloy flanges		
	EN 1759-3:2003/AC:2004		
CEN	EN 1759-4:2003 Flanges and their joint — Circular flanges for pipes, valves, fittings and accessories, class designated — Part 4: Aluminium alloy flanges		
CEN	EN 1797:2001 Cryogenic vessels — Gas/material compatibility	EN 1797-1:1998 Note 2.1	Date expired (31.1.2002)
CEN	EN 1866-2:2014 Mobile fire extinguishers — Part 2: Requirements for the construction, pressure resistance and mechanical tests for extinguishers, with a maximum allowable pressure equal to or lower than 30 bar, which comply with the requirements of EN 1866-1	EN 1866:2005 Note 2.1	30.11.2014
CEN	EN 1866-3:2013 Mobile fire extinguishers — Part 3: Requirements for the assembly, construction and pressure resistance of CO2 extinguishers which comply with the requirements of EN 1866-1	EN 1866:2005 Note 2.1	Date expired (24.1.2014)
CEN	EN 1983:2013 Industrial valves — Steel ball valves	EN 1983:2006 Note 2.1	Date expired (28.2.2014)
CEN	EN 1984:2010 Industrial valves — Steel gate valves	EN 1984:2000 Note 2.1	Date expired (3.8.2012)
CEN	EN ISO 4126-1:2013 Safety devices for protection against excessive pressure — Part 1: Safety valves (ISO 4126-1:2013)	EN ISO 4126-1:2004 Note 2.1	Date expired (31.1.2014)
CEN	EN ISO 4126-3:2006 Safety devices for protection against excessive pressure — Part 3: Safety valves and bursting disc safety devices in combination (ISO 4126-3:2006)		
CEN	EN ISO 4126-4:2013 Safety devices for protection against excessive pressure — Part 4: Pilot-operated safety valves (ISO 4126-4:2013)	EN ISO 4126-4:2004 Note 2.1	Date expired (31.1.2014)
CEN	EN ISO 4126-5:2013 Safety devices for protection against excessive pressure — Part 5: Controlled safety pressure relief systems (CSPRS) (ISO 4126-5:2013)	EN ISO 4126-5:2004 Note 2.1	Date expired (31.1.2014)
CEN	EN ISO 4126-7:2013 Safety devices for protection against excessive pressure — Part 7: Common data (ISO 4126-7:2013)		
CEN	EN ISO 9606-2:2004 Qualification test of welders — Fusion welding — Part 2: Aluminium and aluminium alloys (ISO 9606-2:2004)		

(1)	(2)	(3)	(4)
CEN	EN ISO 9606-3:1999 Approval testing of welders — Fusion welding — Part 3: Copper and copper alloys (ISO 9606-3:1999)		
CEN	EN ISO 9606-4:1999 Approval testing of welders — Fusion welding — Part 4: Nickel and nickel alloys (ISO 9606-4:1999)		
CEN	EN ISO 9606-5:2000 Approval testing of welders — Fusion welding — Part 5: Titanium and titanium alloys, zirconium and zirconium alloys (ISO 9606-5:2000)		
CEN	EN ISO 9712:2012 Non-destructive testing — Qualification and certification of NDT personnel (ISO 9712:2012)	EN 473:2008 Note 2.1	Date expired (31.12.2012)
CEN	EN 10028-1:2007+A1:2009 Flat products made of steels for pressure purposes — Part 1: General requirements	EN 10028-1:2007 Note 2.1	Date expired (31.10.2009)
	EN 10028-1:2007+A1:2009/AC:2009		
CEN	EN 10028-2:2009 Flat products made of steels for pressure purposes — Part 2: Non-alloy and alloy steels with specified elevated temperature properties	EN 10028-2:2003 Note 2.1	Date expired (31.12.2009)
CEN	EN 10028-3:2009 Flat products made of steels for pressure purposes — Part 3: Weldable fine grain steels, normalized	EN 10028-3:2003 Note 2.1	Date expired (31.12.2009)
CEN	EN 10028-4:2009 Flat products made of steels for pressure purposes — Part 4: Nickel alloy steels with specified low temperature properties	EN 10028-4:2003 Note 2.1	Date expired (31.12.2009)
CEN	EN 10028-5:2009 Flat products made of steels for pressure purposes — Part 5: Weldable fine grain steels, thermomechanically rolled	EN 10028-5:2003 Note 2.1	Date expired (31.12.2009)
CEN	EN 10028-6:2009 Flat products made of steels for pressure purposes — Part 6: Weldable fine grain steels, quenched and tempered	EN 10028-6:2003 Note 2.1	Date expired (31.12.2009)
CEN	EN 10028-7:2007 Flat products made of steels for pressure purposes — Part 7: Stainless steels	EN 10028-7:2000 Note 2.1	Date expired (30.6.2008)
CEN	EN 10204:2004 Metallic products — Types of inspection documents		
CEN	EN 10213:2007 Steel castings for pressure purposes	EN 10213-3:1995 EN 10213-4:1995 EN 10213-2:1995 EN 10213-1:1995 Note 2.1	Date expired (31.5.2008)
	EN 10213:2007/AC:2008		
CEN	EN 10216-1:2013 Seamless steel tubes for pressure purposes — Technical delivery conditions — Part 1: Non-alloy steel tubes with specified room temperature properties	EN 10216-1:2002 Note 2.1	The date of this publication
CEN	EN 10216-2:2013 Seamless steel tubes for pressure purposes — Technical delivery conditions — Part 2: Non-alloy and alloy steel tubes with specified elevated temperature properties	EN 10216-2:2002 +A2:2007 Note 2.1	The date of this publication

(1)	(2)	(3)	(4)
CEN	EN 10216-3:2013 Seamless steel tubes for pressure purposes — Technical delivery conditions — Part 3: Alloy fine grain steel tubes	EN 10216-3:2002 Note 2.1	The date of this publication
CEN	EN 10216-4:2013 Seamless steel tubes for pressure purposes — Technical delivery conditions — Part 4: Non-alloy and alloy steel tubes with specified low temperature properties	EN 10216-4:2002 Note 2.1	The date of this publication
CEN	EN 10216-5:2013 Seamless steel tubes for pressure purposes — Technical delivery conditions — Part 5: Stainless steel tubes	EN 10216-5:2004 Note 2.1	The date of this publication
CEN	EN 10217-1:2002 Welded steel tubes for pressure purposes — Technical delivery conditions — Part 1: Non-alloy steel tubes with specified room temperature properties		
	EN 10217-1:2002/A1:2005	Note 3	Date expired (31.7.2005)
CEN	EN 10217-2:2002 Welded steel tubes for pressure purposes — Technical delivery conditions — Part 2: Electric welded non-alloy and alloy steel tubes with specified elevated temperature properties		
	EN 10217-2:2002/A1:2005	Note 3	Date expired (31.7.2005)
CEN	EN 10217-3:2002 Welded steel tubes for pressure purposes — Technical delivery conditions — Part 3: Alloy fine grain steel tubes		
	EN 10217-3:2002/A1:2005	Note 3	Date expired (31.7.2005)
CEN	EN 10217-4:2002 Welded steel tubes for pressure purposes — Technical delivery conditions — Part 4: Electric welded non-alloy steel tubes with specified low temperature properties		
	EN 10217-4:2002/A1:2005	Note 3	Date expired (31.7.2005)
CEN	EN 10217-5:2002 Welded steel tubes for pressure purposes — Technical delivery conditions — Part 5: Submerged arc welded non-alloy and alloy steel tubes with specified elevated temperature properties		
	EN 10217-5:2002/A1:2005	Note 3	Date expired (31.7.2005)
CEN	EN 10217-6:2002 Welded steel tubes for pressure purposes — Technical delivery conditions — Part 6: Submerged arc welded non-alloy steel tubes with specified low temperature properties		
	EN 10217-6:2002/A1:2005	Note 3	Date expired (31.7.2005)
CEN	EN 10217-7:2005 Welded steel tubes for pressure purposes — Technical delivery conditions — Part 7: Stainless steel tubes		

(1)	(2)	(3)	(4)
CEN	EN 10222-1:1998 Steel forgings for pressure purposes — Part 1: General requirements for open die forgings		
	EN 10222-1:1998/A1:2002	Note 3	Date expired (31.10.2002)
CEN	EN 10222-2:1999 Steel forgings for pressure purposes — Part 2: Ferritic and martensitic steels with specified elevated temperature properties		
	EN 10222-2:1999/AC:2000		
CEN	EN 10222-3:1998 Steel forgings for pressure purposes — Part 3: Nickel steels with specified low temperature properties		
CEN	EN 10222-4:1998 Steel forgings for pressure purposes — Part 4: Weldable fine grain steels with high proof strength		
	EN 10222-4:1998/A1:2001	Note 3	Date expired (31.1.2002)
CEN	EN 10222-5:1999 Steel forgings for pressure purposes — Part 5: Martensitic, austenitic and austenitic-ferritic stainless steels		
	EN 10222-5:1999/AC:2000		
CEN	EN 10253-2:2007 Butt-welding pipe fittings — Part 2: Non alloy and ferritic alloy steels with specific inspection requirements		
CEN	EN 10253-4:2008 Butt-welding pipe fittings — Part 4: Wrought austenitic and austenitic-ferritic (duplex) stainless steels with specific inspection requirements		
	EN 10253-4:2008/AC:2009		
CEN	EN 10269:2013 Steels and nickel alloys for fasteners with specified elevated and/or low temperature properties	EN 10269:1999 Note 2.1	The date of this publication
CEN	EN 10272:2007 Stainless steel bars for pressure purposes	EN 10272:2000 Note 2.1	Date expired (30.4.2008)
CEN	EN 10273:2007 Hot rolled weldable steel bars for pressure purposes with specified elevated temperature properties	EN 10273:2000 Note 2.1	Date expired (30.6.2008)
CEN	EN 10305-4:2011 Steel tubes for precision applications — Technical delivery conditions — Part 4: Seamless cold drawn tubes for hydraulic and pneumatic power systems	EN 10305-4:2003 Note 2.1	Date expired (3.8.2012)
CEN	EN 10305-6:2005 Steel tubes for precision applications — Technical delivery conditions — Part 6: Welded cold drawn tubes for hydraulic and pneumatic power systems		

(1)	(2)	(3)	(4)
CEN	EN ISO 10931:2005 Plastics piping systems for industrial applications — Poly(vinylidene fluoride) (PVDF) — Specifications for components and the system (ISO 10931:2005)		
CEN	EN 12178:2003 Refrigerating systems and heat pumps — Liquid level indicating devices — Requirements, testing and marking		
CEN	EN 12263:1998 Refrigerating systems and heat pumps — Safety switching devices for limiting the pressure — Requirements and tests		
CEN	EN 12266-1:2012 Industrial valves — Testing of metallic valves — Part 1: Pressure tests, test procedures and acceptance criteria — Mandatory requirements	EN 12266-1:2003 Note 2.1	Date expired (31.10.2012)
CEN	EN 12284:2003 Refrigerating systems and heat pumps — Valves — Requirements, testing and marking		
CEN	EN 12288:2010 Industrial valves — Copper alloy gate valves	EN 12288:2003 Note 2.1	Date expired (3.8.2012)
CEN	EN 12334:2001 Industrial valves — Cast iron check valves		
	EN 12334:2001/A1:2004	Note 3	Date expired (28.2.2005)
	EN 12334:2001/AC:2002		
CEN	EN 12392:2000 Aluminium and aluminium alloys — Wrought products — Special requirements for products intended for the production of pressure equipment		
CEN	EN 12420:2014 Copper and copper alloys — Forgings	EN 12420:1999 Note 2.1	31.12.2014
CEN	EN 12434:2000 Cryogenic vessels — Cryogenic flexible hoses		
	EN 12434:2000/AC:2001		
CEN	EN 12451:2012 Copper and copper alloys — Seamless, round tubes for heat exchangers	EN 12451:1999 Note 2.1	Date expired (30.11.2012)
CEN	EN 12452:2012 Copper and copper alloys — Rolled, finned, seamless tubes for heat exchangers	EN 12452:1999 Note 2.1	Date expired (30.11.2012)
CEN	EN 12516-1:2005 Industrial valves — Shell design strength — Part 1: Tabulation method for steel valve shells		
	EN 12516-1:2005/AC:2007		

(1)	(2)	(3)	(4)
CEN	EN 12516-2:2004 Industrial valves — Shell design strength — Part 2: Calculation method for steel valve shells		
CEN	EN 12516-3:2002 Valves — Shell design strength — Part 3: Experimental method		
	EN 12516-3:2002/AC:2003		
CEN	EN 12516-4:2008 Industrial valves — Shell design strength — Part 4: Calculation method for valve shells manufactured in metallic materials other than steel		
CEN	EN 12542:2010 LPG equipment and accessories — Static welded steel cylindrical tanks, serially produced for the storage of Liquefied Petroleum Gas (LPG) having a volume not greater than 13 m^3 — Design and manufacture	EN 12542:2002 EN 14075:2002 Note 2.1	Date expired (3.8.2012)
CEN	EN 12735-1:2010 Copper and copper alloys — Seamless, round copper tubes for air conditioning and refrigeration — Part 1: Tubes for piping systems	EN 12735-1:2001 Note 2.1	Date expired (3.8.2012)
CEN	EN 12735-2:2010 Copper and copper alloys — Seamless, round copper tubes for air conditioning and refrigeration — Part 2: Tubes for equipment	EN 12735-2:2001 Note 2.1	Date expired (3.8.2012)
CEN	EN 12778:2002 Cookware — Pressure cookers for domestic use		
	EN 12778:2002/A1:2005	Note 3	Date expired (31.12.2005)
	EN 12778:2002/AC:2003		
CEN	EN 12952-1:2001 Water-tube boilers and auxiliary installations — Part 1: General		
CEN	EN 12952-2:2011 Water-tube boilers and auxiliary installations — Part 2: Materials for pressure parts of boilers and accessories	EN 12952-2:2001 Note 2.1	Date expired (3.8.2012)
CEN	EN 12952-3:2011 Water-tube boilers and auxiliary installations — Part 3: Design and calculation for pressure parts of the boiler	EN 12952-3:2001 Note 2.1	Date expired (3.8.2012)
CEN	EN 12952-5:2011 Water-tube boilers and auxiliary installations — Part 5: Workmanship and construction of pressure parts of the boiler	EN 12952-5:2001 Note 2.1	Date expired (3.8.2012)
CEN	EN 12952-6:2011 Water-tube boilers and auxiliary installations — Part 6: Inspection during construction; documentation and marking of pressure parts of the boiler	EN 12952-6:2002 Note 2.1	Date expired (3.8.2012)
CEN	EN 12952-7:2012 Water-tube boilers and auxiliary installations — Part 7: Requirements for equipment for the boiler	EN 12952-7:2002 Note 2.1	Date expired (24.1.2014)

(1)	(2)	(3)	(4)
CEN	EN 12952-8:2002 Water-tube boilers and auxiliary installations — Part 8: Requirements for firing systems for liquid and gaseous fuels for the boiler		
CEN	EN 12952-9:2002 Water-tube boilers and auxiliary installations — Part 9: Requirements for firing systems for pulverized solid fuels for the boiler		
CEN	EN 12952-10:2002 Water-tube boilers and auxiliary installations — Part 10: Requirements for safeguards against excessive pressure		
CEN	EN 12952-11:2007 Water-tube boilers and auxiliary installations — Part 11: Requirements for limiting devices of the boiler and accessories		
CEN	EN 12952-14:2004 Water-tube boilers and auxiliary installations — Part 14: Requirements for flue gas DENOX-systems using liquefied pressurized ammonia and ammonia water solution		
CEN	EN 12952-16:2002 Water-tube boilers and auxiliary installations — Part 16: Requirements for grate and fluidized-bed firing systems for solid fuels for the boiler		
CEN	EN 12952-18:2012 Water-tube boilers and auxiliary installations — Part 18: Operating instructions		
CEN	EN 12953-1:2012 Shell boilers — Part 1: General	EN 12953-1:2002 Note 2.1	Date expired (30.9.2012)
CEN	EN 12953-2:2012 Shell boilers — Part 2: Materials for pressure parts of boilers and accessories	EN 12953-2:2002 Note 2.1	Date expired (30.9.2012)
CEN	EN 12953-3:2002 Shell boilers — Part 3: Design and calculation for pressure parts		
CEN	EN 12953-4:2002 Shell boilers — Part 4: Workmanship and construction of pressure parts of the boiler		
CEN	EN 12953-5:2002 Shell boilers — Part 5: Inspection during construction, documentation and marking of pressure parts of the boiler		
CEN	EN 12953-6:2011 Shell Boilers — Part 6: Requirements for equipment for the boiler	EN 12953-6:2002 Note 2.1	Date expired (9.9.2011)
CEN	EN 12953-7:2002 Shell boilers — Part 7: Requirements for firing systems for liquid and gaseous fuels for the boilers		

(1)	(2)	(3)	(4)
CEN	EN 12953-8:2001 Shell boilers — Part 8: Requirements for safeguards against excessive pressure		
	EN 12953-8:2001/AC:2002		
CEN	EN 12953-9:2007 Shell boilers — Part 9: Requirements for limiting devices of the boiler and accessories		
CEN	EN 12953-12:2003 Shell boilers — Part 12: Requirements for grate firing systems for solid fuels for the boiler		
CEN	EN 12953-13:2012 Shell boilers — Part 13: Operating instructions		
CEN	EN 13121-1:2003 GRP tanks and vessels for use above ground — Part 1: Raw materials — Specification conditions and acceptance conditions		
CEN	EN 13121-2:2003 GRP tanks and vessels for use above ground — Part 2: Composite materials — Chemical resistance		
CEN	EN 13121-3:2008+A1:2010 GRP tanks and vessels for use above ground — Part 3: Design and workmanship	EN 13121-3:2008 Note 2.1	Date expired (31.8.2010)
	EN 13121-3:2008+A1:2010/AC:2011		
CEN	EN 13134:2000 Brazing — Procedure approval		
CEN	EN 13136:2013 Refrigerating systems and heat pumps — Pressure relief devices and their associated piping — Methods for calculation	EN 13136:2001 Note 2.1	The date of this publication
CEN	EN 13175:2003+A2:2007 LPG equipment and accessories — Specification and testing for Liquefied Petroleum Gas (LPG) tank valves and fittings	EN 13175:2003 Note 2.1	Date expired (30.9.2007)
CEN	EN 13348:2008 Copper and copper alloys — Seamless, round copper tubes for medical gases or vacuum	EN 13348:2001 Note 2.1	Date expired (28.2.2009)
CEN	EN 13371:2001 Cryogenic vessels — Couplings for cryogenic service		
CEN	EN 13397:2001 Industrial valves — Diaphragm valves made of metallic materials		
CEN	EN 13445-1:2009 Unfired pressure vessels — Part 1: General	EN 13445-1:2002 Note 2.1	Date expired (31.12.2009)
	EN 13445-1:2009/A1:2013	Note 3	The date of this publication

(1)	(2)	(3)	(4)
CEN	EN 13445-2:2009 Unfired pressure vessels — Part 2: Materials	EN 13445-2:2002 Note 2.1	Date expired (31.12.2009)
	EN 13445-2:2009/A1:2012	Note 3	Date expired (31.12.2012)
	EN 13445-2:2009/A2:2012	Note 3	Date expired (31.12.2012)
CEN	EN 13445-3:2009 Unfired pressure vessels — Part 3: Design	EN 13445-3:2002 Note 2.1	Date expired (31.12.2009)
	EN 13445-3:2009/A1:2012	Note 3	Date expired (31.12.2012)
	EN 13445-3:2009/A2:2013	Note 3	The date of this publication
CEN	EN 13445-4:2009 Unfired pressure vessels — Part 4: Fabrication	EN 13445-4:2002 Note 2.1	Date expired (31.12.2009)
	EN 13445-4:2009/A1:2011	Note 3	Date expired (3.8.2012)
	EN 13445-4:2009/A2:2014	Note 3	31.10.2014
CEN	EN 13445-5:2009 Unfired pressure vessels — Part 5: Inspection and testing	EN 13445-5:2002 Note 2.1	Date expired (31.12.2009)
	EN 13445-5:2009/A2:2011	Note 3	Date expired (3.8.2012)
	EN 13445-5:2009/A1:2011	Note 3	Date expired (3.8.2012)
	EN 13445-5:2009/A3:2011	Note 3	Date expired (3.8.2012)
	EN 13445-5:2009/A4:2013	Note 3	Date expired (31.1.2014)
CEN	EN 13445-6:2009 Unfired pressure vessels — Part 6: Requirements for the design and fabrication of pressure vessels and pressure parts constructed from spheroidal graphite cast iron	EN 13445-6:2002 Note 2.1	Date expired (31.12.2009)
CEN	EN 13445-8:2009 Unfired pressure vessels — Part 8: Additional requirements for pressure vessels of aluminium and aluminium alloys	EN 13445-8:2006 Note 2.1	Date expired (31.12.2009)
CEN	EN 13458-1:2002 Cryogenic vessels — Static vacuum insulated vessels — Part 1: Fundamental requirements		
CEN	EN 13458-2:2002 Cryogenic vessels — Static vacuum insulated vessels — Part 2: Design, fabrication, inspection and testing		
	EN 13458-2:2002/AC:2006		
CEN	EN 13458-3:2003 Cryogenic vessels — Static vacuum insulated vessels — Part 3: Operational requirements		
	EN 13458-3:2003/A1:2005	Note 3	Date expired (31.12.2005)

(1)	(2)	(3)	(4)
CEN	EN 13480-1:2012 Metallic industrial piping — Part 1: General	EN 13480-1:2002 Note 2.1	Date expired (31.12.2012)
CEN	EN 13480-2:2012 Metallic industrial piping — Part 2: Materials	EN 13480-2:2002 Note 2.1	Date expired (31.12.2012)
	EN 13480-2:2012/A1:2013	Note 3	Date expired (28.2.2014)
CEN	EN 13480-3:2012 Metallic industrial piping — Part 3: Design and calculation	EN 13480-3:2002 Note 2.1	Date expired (31.12.2012)
CEN	EN 13480-4:2012 Metallic industrial piping — Part 4: Fabrication and installation	EN 13480-4:2002 Note 2.1	Date expired (31.12.2012)
	EN 13480-4:2012/A1:2013	Note 3	Date expired (28.2.2014)
CEN	EN 13480-5:2012 Metallic industrial piping — Part 5: Inspection and testing	EN 13480-5:2002 Note 2.1	Date expired (31.12.2012)
	EN 13480-5:2012/A1:2013	Note 3	Date expired (28.2.2014)
CEN	EN 13480-6:2012 Metallic industrial piping — Part 6: Additional requirements for buried piping	EN 13480-6:2004 Note 2.1	Date expired (31.12.2012)
CEN	EN 13480-8:2012 Metallic industrial piping — Part 8: Additional requirements for aluminium and aluminium alloy piping	EN 13480-8:2007 Note 2.1	Date expired (31.12.2012)
	EN 13480-8:2012/A1:2014	Note 3	30.11.2014
CEN	EN 13547:2013 Industrial valves — Copper alloy ball valves		
CEN	EN ISO 13585:2012 Brazing — Qualification test of brazers and brazing operators (ISO 13585:2012)	EN 13133:2000 Note 2.1	Date expired (31.12.2012)
CEN	EN 13611:2007+A2:2011 Safety and control devices for gas burners and gas burning appliances — General requirements	EN 13611:2007 Note 2.1	Date expired (3.8.2012)
CEN	EN 13648-1:2008 Cryogenic vessels — Safety devices for protection against excessive pressure — Part 1: Safety valves for cryogenic service	EN 13648-1:2002 Note 2.1	Date expired (31.5.2009)
CEN	EN 13648-2:2002 Cryogenic vessels — Safety devices for protection against excessive pressure — Part 2: Bursting disc safety devices for cryogenic service		
CEN	EN 13648-3:2002 Cryogenic vessels — Safety devices for protection against excessive pressure — Part 3: Determination of required discharge — Capacity and sizing		
CEN	EN 13709:2010 Industrial valves — Steel globe and globe stop and check valves	EN 13709:2002 Note 2.1	Date expired (3.8.2012)

(1)	(2)	(3)	(4)
CEN	EN 13789:2010 Industrial valves — Cast iron globe valves	EN 13789:2002 Note 2.1	Date expired (3.8.2012)
CEN	EN 13831:2007 Closed expansion vessels with built in diaphragm for installation in water		
CEN	EN 13835:2012 Founding — Austenitic cast irons	EN 13835:2002 Note 2.1	Date expired (31.7.2012)
CEN	EN 13923:2005 Filament-wound FRP pressure vessels — Materials, design, manufacturing and testing		
CEN	EN 14071:2004 Pressure relief valves for LPG tanks — Ancillary equipment		
CEN	EN 14129:2014 LPG Equipment and accessories — Pressure relief valves for LPG pressure vessels	EN 14129:2004 Note 2.1	The date of this publication
CEN	EN 14197-1:2003 Cryogenic vessels — Static non-vacuum insulated vessels — Part 1: Fundamental requirements		
CEN	EN 14197-2:2003 Cryogenic vessels — Static non-vacuum insulated vessels — Part 2: Design, fabrication, inspection and testing		
	EN 14197-2:2003/A1:2006	Note 3	Date expired (28.2.2007)
	EN 14197-2:2003/AC:2006		
CEN	EN 14197-3:2004 Cryogenic vessels — Static non-vacuum insulated vessels — Part 3: Operational requirements		
	EN 14197-3:2004/A1:2005	Note 3	Date expired (31.12.2005)
	EN 14197-3:2004/AC:2004		
CEN	EN 14222:2003 Stainless steel shell boilers		
CEN	EN 14276-1:2006+A1:2011 Pressure equipment for refrigerating systems and heat pumps — Part 1: Vessels — General requirements	EN 14276-1:2006 Note 2.1	Date expired (9.9.2011)
CEN	EN 14276-2:2007+A1:2011 Pressure equipment for refrigerating systems and heat pumps — Part 2: Piping — General requirements	EN 14276-2:2007 Note 2.1	Date expired (9.9.2011)
CEN	EN 14341:2006 Industrial valves — Steel check valves		
CEN	EN 14359:2006+A1:2010 Gas-loaded accumulators for fluid power applications	EN 14359:2006 Note 2.1	Date expired (3.8.2012)

(1)	(2)	(3)	(4)
CEN	EN 14382:2005+A1:2009 Safety devices for gas pressure regulating stations and installations — Gas safety shut-off devices for inlet pressures up to 100 bar	EN 14382:2005 Note 2.1	Date expired (30.9.2009)
	EN 14382:2005+A1:2009/AC:2009		
CEN	EN 14394:2005+A1:2008 Heating boilers — Heating boilers with forced draught burners — Nominal heat output not exceeding 10 MW and maximum operating temperature of 110 °C		
CEN	EN 14570:2014 LPG equipment and accessories — Equipping of overground and underground LPG vessels	EN 14570:2005 Note 2.1	31.10.2014
CEN	EN 14585-1:2006 Corrugated metal hose assemblies for pressure applications — Part 1: Requirements		
CEN	EN 14917:2009+A1:2012 Metal bellows expansion joints for pressure applications	EN 14917:2009 Note 2.1	Date expired (30.9.2012)
CEN	EN 15001-1:2009 Gas Infrastructure — Gas installation pipework with an operating pressure greater than 0,5 bar for industrial installations and greater than 5 bar for industrial and non-industrial installations — Part 1: Detailed functional requirements for design, materials, construction, inspection and testing		
CEN	EN ISO 15493:2003 Plastics piping systems for industrial applications — Acrylonitrile-butadiene-styrene (ABS), unplasticized poly(vinyl chloride) (PVC-U) and chlorinated poly(vinyl chloride) (PVC-C) — Specifications for components and the system — Metric series (ISO 15493:2003)		
CEN	EN ISO 15494:2003 Plastics piping systems for industrial applications — Polybutene (PB), polyethylene (PE) and polypropylene (PP) — Specifications for components and the system — Metric series (ISO 15494:2003)		
CEN	EN ISO 15613:2004 Specification and qualification of welding procedures for metallic materials — Qualification based on pre-production welding test (ISO 15613:2004)		
CEN	EN ISO 15614-1:2004 Specification and qualification of welding procedures for metallic materials — Welding procedure test — Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2004)		
	EN ISO 15614-1:2004/A1:2008	Note 3	Date expired (31.8.2008)
	EN ISO 15614-1:2004/A2:2012	Note 3	Date expired (31.8.2012)

(1)	(2)	(3)	(4)
CEN	EN ISO 15614-2:2005 Specification and qualification of welding procedures for metallic materials — Welding procedure test — Part 2: Arc welding of aluminium and its alloys (ISO 15614-2:2005)		
	EN ISO 15614-2:2005/AC:2009		
CEN	EN ISO 15614-4:2005 Specification and qualification of welding procedures for metallic materials — Welding procedure test — Part 4: Finishing welding of aluminium castings (ISO 15614-4:2005)		
	EN ISO 15614-4:2005/AC:2007		
CEN	EN ISO 15614-5:2004 Specification and qualification of welding procedures for metallic materials — Welding procedure test — Part 5: Arc welding of titanium, zirconium and their alloys (ISO 15614-5:2004)		
CEN	EN ISO 15614-6:2006 Specification and qualification of welding procedures for metallic materials — Welding procedure test — Part 6: Arc and gas welding of copper and its alloys (ISO 15614-6:2006)		
CEN	EN ISO 15614-7:2007 Specification and qualification of welding procedures for metallic materials — Welding procedure test — Part 7: Overlay welding (ISO 15614-7:2007)		
CEN	EN ISO 15614-8:2002 Specification and qualification of welding procedures for metallic materials — Welding procedure test — Part 8: Welding of tubes to tube-plate joints (ISO 15614-8:2002)		
CEN	EN ISO 15614-11:2002 Specification and qualification of welding procedures for metallic materials — Welding procedure test — Part 11: Electron and laser beam welding (ISO 15614-11:2002)		
CEN	EN ISO 15620:2000 Welding — Friction welding of metallic materials (ISO 15620:2000)		
CEN	EN 15776:2011 Unfired pressure vessels — Requirements for the design and fabrication of pressure vessels and pressure parts constructed from cast iron with an elongation after fracture equal or less than 15 %		
CEN	EN ISO 16135:2006 Industrial valves — Ball valves of thermoplastics materials (ISO 16135:2006)		

(1)	(2)	(3)	(4)
CEN	EN ISO 16136:2006 Industrial valves — Butterfly valves of thermoplastics materials (ISO 16136:2006)		
CEN	EN ISO 16137:2006 Industrial valves — Check valves of thermoplastics materials (ISO 16137:2006)		
CEN	EN ISO 16138:2006 Industrial valves — Diaphragm valves of thermoplastics materials (ISO 16138:2006)		
CEN	EN ISO 16139:2006 Industrial valves — Gate valves of thermoplastics materials (ISO 16139:2006)		
CEN	EN ISO 21787:2006 Industrial valves — Globe valves of thermoplastics materials (ISO 21787:2006)		

([1]) ESO: European standardisation organisation:
— CEN: Avenue Marnix 17, B-1000, Brussels, Tel. +32 2 5500811; fax + 32 2 5500819 (http://www.cen.eu)
— CENELEC: Avenue Marnix 17, B-1000, Brussels, Tel. +32 2 5196871; fax + 32 2 5196919 (http://www.cenelec.eu)
— ETSI: 650, route des Lucioles, F-06921 Sophia Antipolis, Tel. +33 492 944200; fax +33 493 654716, (http://www.etsi.eu)

Note 1: Generally the date of cessation of presumption of conformity will be the date of withdrawal ('dow'), set by the European standardisation organisation, but attention of users of these standards is drawn to the fact that in certain exceptional cases this can be otherwise.

Note 2.1: The new (or amended) standard has the same scope as the superseded standard. On the date stated, the superseded standard ceases to give presumption of conformity with the essential or other requirements of the relevant Union legislation.

Note 2.2: The new standard has a broader scope than the superseded standard. On the date stated the superseded standard ceases to give presumption of conformity with the essential or other requirements of the relevant Union legislation.

Note 2.3: The new standard has a narrower scope than the superseded standard. On the date stated the (partially) superseded standard ceases to give presumption of conformity with the essential or other requirements of the relevant Union legislation for those products or services that fall within the scope of the new standard. Presumption of conformity with the essential or other requirements of the relevant Union legislation for products or services that still fall within the scope of the (partially) superseded standard, but that do not fall within the scope of the new standard, is unaffected.

Note 3: In case of amendments, the referenced standard is EN CCCCC:YYYY, its previous amendments, if any, and the new, quoted amendment. The superseded standard therefore consists of EN CCCCC:YYYY and its previous amendments, if any, but without the new quoted amendment. On the date stated, the superseded standard ceases to give presumption of conformity with the essential or other requirements of the relevant Union legislation.

NOTE:

— Any information concerning the availability of the standards can be obtained either from the European standardisation organisations or from the national standardisation bodies the list of which is published in the *Official Journal of the European Union* according to Article 27 of the Regulation (EU) No1025/2012. ([1])

— Standards are adopted by the European standardisation organisations in English (CEN and Cenelec also publish in French and German). Subsequently, the titles of the standards are translated into all other required official languages of the European Union by the national standardisation bodies. The European Commission is not responsible for the correctness of the titles which have been presented for publication in the Official Journal.

([1]) OJ L 316, 14.11.2012, p. 12.

— References to Corrigenda '.../AC:YYYY' are published for information only. A Corrigendum removes printing, linguistic or similar errors from the text of a standard and may relate to one or more language versions (English, French and/or German) of a standard as adopted by a European standardisation organisation.

— Publication of the references in the *Official Journal of the European Union* does not imply that the standards are available in all the official languages of the European Union.

— This list replaces all the previous lists published in the *Official Journal of the European Union*. The European Commission ensures the updating of this list.

— More information about harmonised standards and other European standards on the Internet at

http://ec.europa.eu/enterprise/policies/european-standards/harmonised-standards/index_en.htm