



INF. 10

15 November 2016

Original: English

RID: 7th Session of the RID Committee of Experts' standing working group
(Prague, 22 to 24 November 2016)

Subject: Use of references to EN standards in the text of SMGS Annex 2

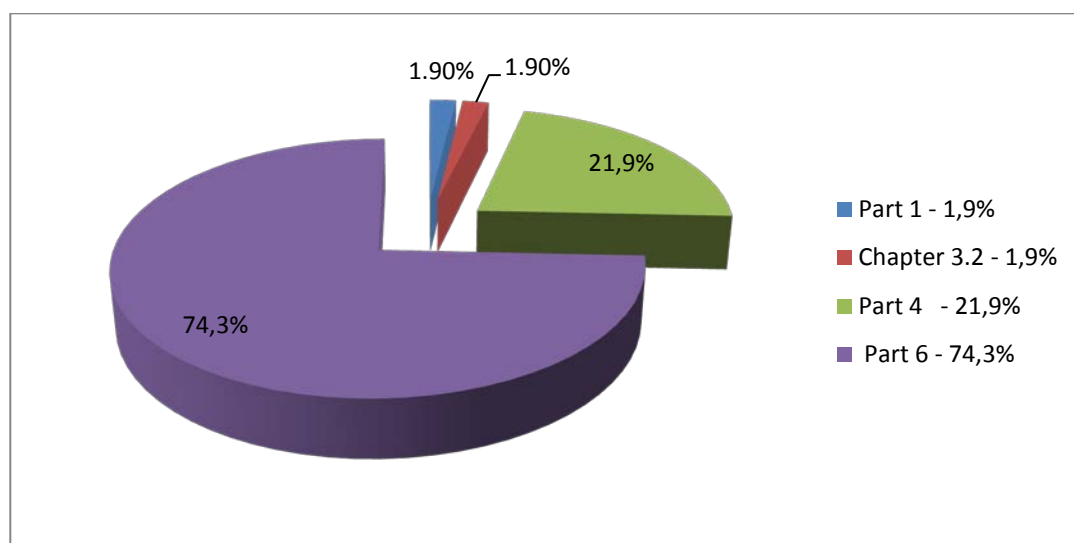
Information from the Russian Federation

1. Delegates will be aware [1, 2] that the OSJD group of experts in the field of provisions for the carriage of dangerous goods met in Warsaw from 4 to 5 October 2016 and the OSJD Commission for Transport Law in the field of provisions for the carriage of dangerous goods met at the same place from 6 to 7 October 2016. The main objective of this meeting of the OSJD Commission for Transport Law was to take a decision on approving the amendments and additions to SMGS Annex 2 for 2017, which were prepared during the 2-year cycle.
2. At the meeting of the OSJD Commission for Transport Law in the field of provisions for the carriage of dangerous goods, Russia expressed its views on the advisability of including any new references to regional instruments (EU directives and standards EN) in the text of SMGS Annex 2.
3. The meeting, which was attended by 15 countries, decided, with 2 abstentions, that: "taking into account the fact that the proposed amendments to SMGS Annex 2 represent a complex (the whole range of issues in the draft, including changes to the references to EU directives and EN standards, which are related to other provisions in the draft)", it was "not in a position to introduce changes into the draft and create a new document because it was not possible to find a proper immediate solution in the meeting room."
4. The existing text of SMGS Annex 2 (amended on 01.07.2015) contains 105 references to EN standards adopted by the European Committee for Standardization and 59 references to EN/ISO standards adopted by the European Committee for Standardization and the International Organization for Standardization (ISO) (see Annex 1). The distribution of references to these standards in the existing text of SMGS Annex 2 (amended on 01.07.2015) is presented in Table 1.1 and in the diagram (Fig. 1).

Table 1.1 Distribution of references to EN and EN ISO standards in the existing text of SMGS Annex 2 (amended on 01.07.2015)

Part/Chapter	Number of references to EN standards	Number of references to EN ISO standards
1	2 (1.9%)	5 (8.47%)
2.3	0	2 (3.39%)
3.2	2 (1.9%)	0
3.3	0	1 (1.69%)
4.1	22 (20.96%)	14 (23.73%)
4.3	1 (0.95%)	0
6.2	56 (53.35%)	22 (37.3%)
6.7	1 (0.95%)	0
6.8	15 (14.28%)	4 (6.785%)
6.9	6 (5.71%)	11 (18.64%)
Total	105	59

Figure 1



Distribution of references to EN standards in the text of SMGS Annex 2 2015

Changes to EN standards proposed for inclusion in the text of SMGS Annex 2 (amended on 01.07.2017)

- An analysis of the draft amendments to SMGS Annex 2 amended as of 01.07.2017 showed that it contained 5 new EN standards (Table 1.2.1) and 3 new EN standard referred to by the Russian Federation's "STANDARTINFORM" website. The draft amendments to SMGS Annex 2 include 11 current EN standards which have been amended or added to (Table 1.2.2) in the 2017 edition, and 7 current EN standards that have been modified (identified, reduced, suspended) to indicate their period of validity (Table 1.2.3) and 6 current EN standards, the scope of which has been extended, and which are used in the new sections/paragraphs of the SMGS Annex 2 consignment note (see Table 1.2.4).

Table 1.2.1 List of new EN standards

Standard	Standard name	Link on website "STANDARTINFORM"	RID
EN13175:2014	Machinery and equipment for liquefied petroleum gas. Valves and fittings of pressure receptacles for liquefied petroleum gas. Specifications and tests	+	6.2.4.1
EN13807:2003	Gas cylinders portable. Motor batteries. Design, manufacture, identification and testing	+	6.8.3.6
EN16509:2014	Transportable gas cylinders. Disposable small, portable, steel cylinders with a capacity of up to and including 120 ml, containing compressed or liquefied gases (compact cylinders). Calculation, design, content and testing	+	6.2.6.4
EN13953:2015	LPG equipment and accessories. Pressure relief valves for transportable refillable cylinders for liquefied petroleum gas (LPG)		6.2.4.1
EN16728:2016	LPG equipment and accessories. Transportable refillable cylinders for LPG in addition to traditional welded and brazed steel cylinders. Periodic review		6.2.4.2

Table 1.2.2 List of applicable EN standards in which changes and additions have been made

The old version of the standard	The revised standard	Standard name	RID
EN 590:2004 EN 590:2009 + A1:2010	EN 590:2013 + AC:2014	Fuel for cars. Diesel fuel. Requirements and test methods	3.2 Table A, UN 1202, 4.1.1.21.6, UN 1202
EN 14140:2003, EN 14140:2003 + A1:2006	EN 14140:2014 + AC:2015 (except for cylinders with moulded casing)	Equipment and accessories – Transportable refillable welded steel cylinders for the LPG – Alternative design and construction	6.2.4.1
EN 14025:2008, EN 14025:2013	EN 14025:2013+ A1:2016 (except for application B)	Tanks for transport of dangerous goods. Metallic pressure tanks. Design and construction	6.8.2.6.1
EN 13094:2004, EN 13094:2008 + AC:2008	EN 13094:2015	Tanks for transport of dangerous goods. Metallic tanks with a working pressure not exceeding 0.5 bar. Design and construction	6.8.2.6.1
EN 14432:2006	EN 14432:2014	Tanks for transport of dangerous goods. Tank equipment for the transport of liquid chemicals and liquefied gases. Valves product discharge and inlet valves	6.8.2.6.1
EN 14433:2006	EN 14433:2014	Tanks for transport of dangerous goods. Tank equipment for the	6.8.2.6.1

		transport of liquid chemicals and liquefied gases. Foot valves	
EN 15551:2009	EN 15551:2009 + A1:2010	Railroads. Railway rolling stock. Buffers	6.8.4, TE 22

Table 1.2.3 List of EN standards in which the (identified, reduced, suspended) period of validity has been amended

Standard	Standard name	Changing the period of use	RID
EN 12205:2001	Transportable gas cylinders. Non-refillable metallic gas cylinders	In column 4, replace the words "Until further notice" with the words "From 1 January 2005 to 31 December 2018" In column 5 include: "31 December 2018"	6.2.4.1
EN 14140:2003 + A1:2006	Equipment and accessories – Transportable welded steel refillable cylinders for the LPG – Alternative design and construction	In column 4, replace the words "Until further notice" with the words: "From 1 January 2009 to 31 December 2018"	6.2.4.1
EN 14912:2005	Equipment and accessories. Inspection and maintenance of LPG cylinder valves at time of periodic inspection of cylinders	In the last column, replace "Until further notice" with the words "Until 31 December 2018"	6.2.4.2
EN 1440:2008 + A1:2012 (except Annex G and H)	LPG equipment and accessories – Periodic inspection. The portable cylinders for liquefied petroleum gas	In column 3, replace the words "Until further notice" with the words "Until 31 December 2018"	6.2.4.1
EN 14025:2013	Tanks for transport of dangerous goods. Metallic pressure tanks. Design and construction	In column 4, replace the words "Until further notice" with the words: "31 December 2018"	6.8.2.6.1
EN 13094:2008 + AC:2008	Tanks for transport of dangerous goods – Metallic tanks with a working pressure not exceeding 0.5 bar – Design and construction	In column 4, replace the words "Until further notice" with the words "31 December 2018"	6.8.2.6.1
EN 12863:2002 + A1:2005	Transportable gas cylinders – Periodic inspection and maintenance of dissolved acetylene cylinders	Deleted	6.2.4.2

Table 1.2.4 List of applicable EN standards referred to in the new sections or paragraphs of SMGS Annex 2

Standard	Standard name	SMGS Annex 2
EN 14432:2006	Tanks for transport of dangerous goods. Tank equipment for the transport of liquid chemicals. The exhaust valves and intake vents	1.6.4.46, 6.8.2.6.1
EN 14433:2006	Tanks for transport of dangerous goods. Tank equipment for the transport of liquid chemicals. Reception valves	1.6.4.46, 6.8.2.6.1
EN 1802:2002	Monitoring and periodic testing of seamless aluminium gas cylinders	6.2.3.5.1
EN 1968:2002 + A1:2005	Gas cylinders transported. Monitoring and periodic testing of seamless steel gas cylinders (excluding LPG)	6.2.3.5.1
EN 1252-1:1998	Cryogenic vessels. Materials.	6.2.4.1
EN 12663-2:2010	Railways – Structural requirements of railway vehicle bodies – Part 2: Freight wagons	6.8.4, TE 25

6. An analysis of the table of contents in 1.2.1 shows that it includes a new EN standard, which establishes requirements for:
- Periodic checks for portable refillable cylinders for LPG, in addition to traditional welded and brazed steel cylinders;
 - Pressure relief-valve for portable cylinders for liquefied petroleum gas (LPG);
 - Calculation, design, filling and testing of portable, disposable steel cans with a capacity of up to and including 120 ml, containing compressed or liquefied gases (compact cylinders);
 - The valve and fittings of pressure receptacles for liquefied petroleum gas (LPG);
 - Design, manufacture, identification and testing of portable gas cylinders – Battery vehicles.
7. Thus, we can conclude that the new EN standards certainly reflect the important issues of gas transport, including LPG and spray cans with a capacity of 120 ml, but they cannot be deemed to cover a "whole range of issues" and even more so to be integrated in the global transport of dangerous goods.
8. Based on the foregoing, we consider it possible that after the editorial corrections and changes to SMGS Annex 2 have been made, it may take effect from 01.07.2017.
9. List of sources used
1. Document OTIF/RID/CE/GTP/2016/11.
 2. Informal document OTIF/RID/CE/GTP/2016/INF.6.

References to EN standards in SMGS Annex 2 as of 01/07/2015 and 07.01.2017

SMGS Annex 2 as of			
01.07.2015		07.01.2017	
SMGS Annex 2	Standard	SMGS Annex 2	Note
1.2.1, The term "demountable body"			
-	-	1.6.4.46	Added a transitional claim period. 6.8.2.6 with regard to standards EN 14432:2006, EN 14433:2006
1.8.7.8, conformity assessment and periodic inspection	EN 12972:2007		
3.2, UN 1202	EN 590:2004 E N 590:2009 + A1:2010	3.2 A, UN 1202	Replace "EN 590:2004" with "EN 590:2013 + AC:2014" and replace "EN 590:2009 + A1:2010" with "EN 590:2013 + AC:2014" (2 times)
4.1.1.21.6 assimilation list, UN 1202	EN 590:2009 + A1:2010	4.1.1.21.6	In column 2 of the table 4.1.1.21.6 for "UN 1202 Diesel fuel" and "UN 1202 Heating oil light" replace "to EN 590:2009 + A1:2010" with "to EN 590:2013 + A1:2014"
4.1.4.1, packing instruction P 200 Type of packaging: cylinders, tubes, pressure drums and bundles of cylinders	EN 13365: 2002 + A1:2005		-
	EN 12755:2000		
	EN 1439:2008 (except 3.5 and Annex G)		
	EN 14794:2005		
	EN 1442		
	EN 13322-1		
	EN 1439:2008		
	EN 13152:2001 + A1:2003		
	EN 13153:2001 + A1:2003		
	EN 14912:2005		
	EN 1964-1		
	EN 1964-2		
EN 1975			

SMGS Annex 2 as of			
01.07.2015		07.01.2017	
SMGS Annex 2	Standard	SMGS Annex 2	Note
	EN 1919:2000		
	EN 1920:2000		
	EN 13365:2002		
	EN 11114-2:2013		
	EN 849		
4.1.6.15 UN pressure receptacles	EN 13152:2001 + A1:2003		
	EN 13153:2001 + A1:2003		
	EN 962:1996 + A2:2000		
4.3.3.3.2	EN 158877-1:2012 Railway transport. Marking railway rolling stock, Part 1: Freight cars		
		6.2.3.5.1	<i>new Note 3: Instead of testing referred to in paragraph 6.2.1.6.1 b), and the hydraulic pressure test prescribed in paragraph 6.2.1.6.1 d), ultrasonic testing conducted in accordance with standard EN 1802:2002 for seamless gas cylinders made of aluminium alloy in accordance with EN 1968:2002 + A1:2005 for seamless steel gas cylinders can be used</i>
6.2.4.1 Pressure receptacles which are not UN pressure receptacles	EN 1442:1998 + AC:1999		
	EN 1442:1998 + A2:2005		
	EN 1442:2006 + A1:2008		
	EN 1800:1998 + AC:1999		
	EN 1800:2006		
	EN 1964-1:1999		
	EN 1975:1999 (except for application G)		
	EN 1975:1999 + A1:2003		
	EN 1964-3:2000		
	EN 12862:2000		
	EN 1251-2:2000		NOTE: Standard EN 1252-1:1998 to which reference is made in

SMGS Annex 2 as of			
01.07.2015		07.01.2017	
SMGS Annex 2	Standard	SMGS Annex 2	Note
			<i>this standard is also applicable in respect of closed cryogenic receptacles for the carriage of UN number 1972 METHANE, REFRIGERATED LIQUID or NATURAL GAS, REFRIGERATED LIQUID.</i>
	EN 12257:2002		
	EN 12807:2001 (except Annex A)		
	EN 12807:2008		
	EN 1964-2:2001		
	EN 13293:2002		
	EN 13322-1:2003		
	EN 13322-1:2003 + A1:2006		
	EN 13322-2:2003		
	EN 13322-2:2003 + A1:2006		
	EN 12245:2002		
	EN 12245:2009 + A1:2011		
	EN 12205:2001		EN 12205: 2001 in column 4, replace the words "Until further notice" with the words "From 1 January 2005 to 31 December 2017" In column 5 include "31 December 2018"
	EN 13110:2002		
	EN 13110:2012		
	EN 14427:2004		
	EN 14427:2004 + A1:2005		
	EN 14427:2014		
	EN 14208:2004		
	EN 14140:2003		
	EN 14140:2003 + A1:2006		in column 4, replace the words "Until further notice" with the words "From 1 January 2009 to 31 December 2018"
			EN 14140:2014 + AC:2015 (except cylin-

SMGS Annex 2 as of			
01.07.2015		07.01.2017	
SMGS Annex 2	Standard	SMGS Annex 2	Note
			ders with a moulded cover)
	EN 13769:2003		
	EN 13769:2003 + A1:2005		
	EN 14638-1:2006		
	EN 14638-3:2010/AC		
	EN 14893:2006 + AC:2007		
	EN 14893:2014		
	<i>For closures:</i>		
	EN 849:1996 (except Annex A)		
	EN 849:1996/A2:2001		
	EN 13152:2001		
	EN 13152:2001 + A1:2003		
	EN 13153:2001		
	EN 13153:2001 + A1:2003		
	EN 13648-1:2008		
	EN 1626:2008 (except for valves of category B)		
6.2.4.1 Pressure receptacles which are not UN pressure receptacles			EN 13175:2014 "Machinery and equipment for liquefied petroleum gas. Valves and fittings of pressure receptacles for liquefied petroleum gas. Technical requirements and testing." <i>Federal State Unitary Enterprise "Russian Scientific and Technical Information Center of standardization, metrology and conformity assessment" (FSUE "STANDARTINFORM")</i>
			EN 13953:2015 "LPG equipment and accessories. Pressure relief valves for transportable refillable cylinders for liquefied petroleum gas (LPG)"
6.2.4.2 Periodic	EN 1251-3:2000		

SMGS Annex 2 as of			
01.07.2015		07.01.2017	
SMGS Annex 2	Standard	SMGS Annex 2	Note
inspection and testing	EN1968:2002 + A1:2005 (except Annex B)		
	EN 1802:2002 (except Annex B)		
	EN 12863:2002 + A1:2005		EN 12863:2002 + A1:2005 excluded
	EN 1803:2002 (except Annex B)		
	EN 14876:2007		
	EN 14912:2005		EN 14912:2005 in the last column, replace "Until further notice" with the words "Until 31 December 2018"
			EN 14912:2015
	EN 1440:2008 + A1:2012 (except Annex G and H)		in column 3, replace the words "Until further notice" with the words "Until 31 December 2018"
			EN 1440:2016 (except for application C)
		EN 16728:2016 (with the exception of paragraph 3.5, F and Annex G of the Appendix) "LPG equipment and accessories. Transportable refillable cylinders for LPG in addition to traditional welded and brazed steel cylinders. Periodic inspection"	
	EN 15888:2014		
6.2.5.4.2 deflection test	EN 1975:1999 + A1:2003)		
6.2.6.4 gas cartridges	EN 417:2012		EN 16509:2014 "Transportable gas cylinders. Disposable small, portable, steel cylinders with a capacity of up to and including 120 ml, containing compressed or liquefied gases (compact cylinders). Calculation, design, content and testing" <i>Federal State Unitary</i>

SMGS Annex 2 as of			
01.07.2015		07.01.2017	
SMGS Annex 2	Standard	SMGS Annex 2	Note
			<i>Enterprise "Russian Scientific and Technical Information Center of standardization, metrology and conformity assessment" (FSUE) "STANDARDINFORM"</i>
6.7.2.1 fine-grained steel	or EN 10028-3		
6.8.2.1.29	EN 15273-2:2009		EN 15273-2:2013
6.8.2.6.1 Tank-containers, tank swap bodies and MEGCs	EN 14025:2003 + AC:2005		–
	EN 14025:2008		–
	EN 14025:2013		In column 4, replace the words "Until further notice" with the words "1 January 2015 to 31 December 2018"
			EN 14025:2013 + A1:2016 (except for application B)
	EN 14432:2006		Postponed
	EN 14433:2006		Postponed
	EN 13094:2004		
	EN 13094:2008 + AC:2008		In column 4, replace the words "Until further notice" with the words "From 1 January 2010 to 31 December 2018"
	EN 13094:2004		
	EN 13094:2008 + AC:2008		
			EN 13094:2015
	for equipment:		EN 14432:2006 – postponed
			EN 14432:2014
		EN 14433:2006 – postponed	
		EN 14433:2014	
6.8.2.6.2	EN 12972:2007		
6.8.3.6			EN 13807:2003 "Gas cylinders portable. Motor batteries. Design, manufacture, identification and testing" <i>Federal State Unitary Enterprise "Russian</i>

SMGS Annex 2 as of			
01.07.2015		07.01.2017	
SMGS Annex 2	Standard	SMGS Annex 2	Note
			<i>Scientific and Technical Information Center of standardization, metrology and conformity assessment" (FSUE "STANDARDARTINFORM")</i>
6.8.4 Special provision TE 22	EN 15551:2009 Railway transport. Freight cars. Fender.		EN 15551:2009 + A1:2010
6.8.4 Special provision TE 22	EN 12663-2:2010 Railway transport. Requirements for strength body of railway rolling stock, Part 2: Freight wagons.		
6.8.4 Special provision TE25	EN 13094 "Tanks for transport of dangerous goods – Metallic tanks with a working pressure not exceeding 0.5 bar – Design and manufacture		EN 12663-2:2010 – repeated
6.8.5.4 tank wagons and tank-containers intended for the transport of refrigerated liquid gases of Class 2	EN 1252-1:1998 "Cryogenic vessels – Materials – Part 1: Toughness requirements for temperature below -80 °C"		
	EN 1252-2:2001 "Cryogenic vessels – Materials – Part 2: Toughness requirements for temperature between -80 C and -20°C"		
6.9.2.5 test	EN 978:1997		
tank-containers made of fibre-reinforced plastics	EN 977:1997		
6.9.4.2.2	EN 978:1997		
6.9.4.2.4	EN 977:1997		
6.9.4.3.3	EN 978:1997		
	EN 976-1:1997		