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Working Party on the Transport of Dangerous Goods

Joint Meeting of the RID Committee of Experts and the
Working Party on the Transport of Dangerous Goods

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STANDARDS

Working procedures of the Working Group on Standards - Proposed characterization of standards referenced in RID/ADR/ADN

Transmitted by the European Committee for Standardisation (CEN)

Annex

ADR sub-section/ para.	RID sub-section/ para.	ADN sub-section/ para.	Standards Organization	Responsible Stdardization Body	Standard-Number	Standard-Title	Reference text	Requirements included ?	Dedicated standard	Character of reference
1.8.6.4	1.8.6.4	—	EN ISO/ IEC	?	17020:2004	Not included	… shall be accredited … according to the standard EN ISO/IEC …	**no**	**no**	**S, B**
1.8.6.4	1.8.6.4	—	EN ISO/ IEC	?	17020:2004	Not included	shall ensure that … meets the requirements of the standard EN ISO/ICE …	**no**	**no**	**R, B**
1.8.7.8	1.8.7.8	—	EN	TC 296	12972:2007	Tanks for transport of dangerous goods - Testing, inspection and marking of metallic tanks	The requirements of ... are considered to have been complied with if the following standadrs …are applied: EN …	**yes**	**yes**	**R, V**
—	—	1.15.3.8	EN	?	45004:1995	Not included	shall have … and shall maintain an effective system of … and conforming to the standards EN … and ISO … or EN	**no**	**no**	**R, B**
—	—	1.15.3.8	ISO	?	9001	Not included	shall have … and shall maintain an effective system of … and conforming to the standards EN … and ISO … or EN	**no**	**no**	**R, B**
—	—	1.15.3.8	EN	?	29001:1997	Not included	shall have … and shall maintain an effective system of … and conforming to the standards EN … and ISO … or EN	**no**	**no**	**R, B**
—	—	1.16.4.1	EN	?	45004:1995	Not included	They shall meet the following criteria: … ; compliance with the material contents of EN ...	**yes**	**no**	**R, B**
Part 2										
2.1.2.6	2.1.2.6	2.1.2.6	ASTM	?	D 4359-90	Not included	… shall be subjected to ASTM … or to the test …	**no**	**no**	**R, B**
2.2.2.1.5	2.2.2.1.5	2.2.2.1.5	ISO	?	10156:1996	Not included	… is determined either by tests or … by calculation methods adopted by ISO (see ISO ….)	**no**	**no**	**R, B**
2.2.2.1.5	2.2.2.1.5	2.2.2.1.5	ISO	?	10156-2:2005	Not included	… is determined either by tests or … by calculation methods adopted by ISO (see ISO ….)	**no**	**no**	**R, B**
2.2.2.1.6 c) Note	2.2.2.1.6 c) Note	2.2.2.1.6 c) Note	ASTM	?	D 240	Not included	… shall be determined by one of the following methods ASTM ...	**no**	**no**	**R, B**
2.2.2.1.6 c) Note	2.2.2.1.6 c) Note	2.2.2.1.6 c) Note	ISO	?	FDIS 13943:1999 (E/F) 86.1 to 86.3	Not included	… shall be determined by one of the following methods ISO/FDIS ...	**no**	**no**	**R, B**
2.2.2.1.6 c) Note	2.2.2.1.6 c) Note	2.2.2.1.6 c) Note	NFPA	?	30B	Not included	… shall be determined by one of the following methods NFPA ...	**no**	**no**	**R, B**
2.2.3.1.4	2.2.3.1.4	2.2.3.1.4	ISO	?	2431:1993	Not included	… shall be assigned … if the requirements of … are met: … Flow time t in accordance with ISO ...	**no**	**no**	**R, B**
2.2.3.1.5	2.2.3.1.5	2.2.3.1.5	ISO	?	2431:1993	Not included	… not subject to ADR/RID if … conforming to ISO …	**no**	**no**	**R, V**
2.2.52.1.4 Note	2.2.52.1.4 Note	2.2.52.1.4 Note	ISO	?	3679:1983	Not included	… it's recommended to determine … such as described in ISO …	**no**	**no**	**I**
2.2.7.2.3.3.2	2.2.7.2.3.3.2	2.2.7.2.3.3.2	ISO	?	9978:1992	Radiation protection; sealed radioactive sources; leakage test methods	… it shall meet the following requirements: … the volumetric leakage rate assessment specified in ISO … would not exceed ...	**no**	**no**	**S, V**
2.2.7.2.3.3.6 a) i)	2.2.7.2.3.3.6 a) i)	2.2.7.2.3.3.6 a) i)	ISO	?	2919:1999	Radiation protection - Sealed radioactive sources - General requirements and classification	… may be excepted from: … they are alternatively subjected to the … test prescribed in ISO ...	**no**	**no**	**S, V**
2.2.7.2.3.3.6 a) ii)	2.2.7.2.3.3.6 a) ii)	2.2.7.2.3.3.6 a) ii)	ISO	?	2919:1999	Radiation protection - Sealed radioactive sources - General requirements and classification	… may be excepted from: … they are alternatively subjected to the … test prescribed in ISO ...	**no**	**no**	**S, V**
2.2.7.2.3.3.6 b)	2.2.7.2.3.3.6 b)	2.2.7.2.3.3.6 b)	ISO	?	2919:1999	Radiation protection - Sealed radioactive sources - General requirements and classification	… may be excepted from: … they are alternatively subjected to the … test prescribed in ISO ...	**no**	**no**	**S, V**
2.2.7.2.3.3.8	2.2.7.2.3.3.8	2.2.7.2.3.3.8	ISO	?	9978:1992	Radiation protection; sealed radioactive sources; leakage test methods	… may be excepted from: …The alternative … assessment shall comprise any of the tests prescribed in ISO …	**no**	**no**	**S, V**
2.2.8.1.6	2.2.8.1.6	2.2.8.1.6	ISO	?	3574	Not included	… are judged to cause … , a corrosion rate … exceeding ... For the purposes of testing … ISO … shall be used.	**no**	**no**	**R, B**
2.3.3.1.1 e)	2.3.3.1.1 e)	2.3.3.1.1 e)	ISO	?	3679:1983	Not included	… shall be determined by means of one of the following types of apparatus: Apparatus in accordance with ISO ...	**no**	**no**	**R, B**
2.3.3.1.1 e)	2.3.3.1.1 e)	2.3.3.1.1 e)	ISO	?	3680:1983	Not included	… shall be determined by means of one of the following types of apparatus: Apparatus in accordance with ISO ...	**no**	**no**	**R, B**
2.3.3.1.2 a)	2.3.3.1.2 a)	2.3.3.1.2 a)	ISO	?	3679:1983	Not included	… only apparatus and test methods suitable for … shall be used, in accordance with the following standards: … ISO …	**no**	**no**	**R, B**
2.3.3.1.2 b)	2.3.3.1.2 b)	2.3.3.1.2 b)	ISO	?	3680:1983	Not included	… only apparatus and test methods suitable for … shall be used, in accordance with the following standards: … ISO …	**no**	**no**	**R, B**
2.3.3.1.2 c)	2.3.3.1.2 c)	2.3.3.1.2 c)	ISO	?	1523:1983	Not included	… only apparatus and test methods suitable for … shall be used, in accordance with the following standards: … ISO …	**no**	**no**	**R, B**

ADR sub-section/ para.	RID sub-section/ para.	ADN sub-section/ para.	Standards Organization	Responsible Stdardization Body	Standard-Number	Standard-Title	Reference text	Requirements included ?	Dedicated standard	Character of reference
5.4.3.4 Foot Note	—	—	EN	?	471	Not included	Additional equipment required … For example an … similar to that described in EN …	**yes**	**no**	**I**
Part 6										
6.1.1.4 Note	6.1.1.4 Note	—	ISO	ISO/ TC 122/SC 3	16106:2006	Packaging – Transport packages for dangerous goods - Dangerous goods packagings, intermediate bulk containers (IBCs) and large packagings - Guidelines for the application of ISO 9001	… shall be … under a quality assurance programme which satisfies … NOTE: ISO ... provides acceptable guidance …	**yes**	**yes**	**I**
6.1.3.2	6.1.3.2	—	ISO	?	3574:1999	Not included	… shall be determined according to the appropriate ISO standard, for example ISO …	**yes**	**no**	**S, V**
6.1.4.1.1 Note	6.1.4.1.1 Note	—	ISO	?	3573:1999	Hot rolled carbon steel sheet of commercial and drawing qualities	… shall be constructed of … of a suitable type … NOTE: … "suitable" steels are identified in ISO …	**yes**	**no**	**I**
6.1.4.1.1 Note	6.1.4.1.1 Note	—	ISO	?	3574:1999	Cold-reduced carbon steel sheet of commercial and drawing qualities	… shall be constructed of … of a suitable type … NOTE: … "suitable" steels are identified in ISO …	**yes**	**no**	**I**
6.1.4.1.1 Note	6.1.4.1.1 Note	—	ISO	?	11949:1995	Cold-reduced electrolytic tinplate	… shall be constructed of … of a suitable type … NOTE: … "suitable" steels are also identified in ISO …	**yes**	**no**	**I**
6.1.4.1.1 Note	6.1.4.1.1 Note	—	ISO	?	11950:1995	Coldreduced electrolytic chromium/chromium oxide-coated steel	… shall be constructed of … of a suitable type … NOTE: … "suitable" steels are also identified in ISO …	**yes**	**no**	**I**
6.1.4.1.1 Note	6.1.4.1.1 Note	—	ISO	?	11951:1995	Coldreduced blackplate in coil form for the production of tinplate or electrolytic chromium/chromium-oxide coated steel	… shall be constructed of … of a suitable type … NOTE: … "suitable" steels are also identified in ISO …	**yes**	**no**	**I**
6.1.4.8.8 Note	6.1.4.8.8 Note	—	ISO	ISO/ TC122/ SC3	16103:2005	Packaging – Transport packaging for dangerous goods - Recycled plastics material" provides additional guidance on procedures to be followed in approving the use of recycled plastics material	ISO … provides additional guidance to be followed …	**yes**	**yes**	**I**
6.1.4.12.1	6.1.4.12.1	—	ISO	?	535:1991	Not included	The water resistance … shall be such that … is not greater than … - see ISO ...	**yes**	**no**	**S, B**
6.1.5.3 Footnote 3	6.1.5.3 Footnote 3	—	ISO	?	2248	Not included	See ISO Standard ...	**yes**	**no**	**I**
6.1.5.3.5 c)	6.1.5.3.5 c)	—	ISO	?	2431:1993	Not included	… intended for the carriage of substances having … (corresponding to ISO Standard …	**yes**	**no**	**S, B**
6.2.2.1.1	6.2.2.1.1	—	ISO	ISO/ TC58/ SC3	9809-1:1999	Gas cylinders – Refillable seamless steel gas cylinders – Design, construction and testing – Part 1: Quenched and tempered steel cylinders with tensile strength less than 1 100 Mpa	The following standards apply for the design, …	**yes**	**yes**	**S, B**
6.2.2.1.1	6.2.2.1.1	—	ISO	ISO/ TC58/ SC3	9809-2:2000	Gas cylinders – Refillable seamless steel gas cylinders – Design, construction and testing – Part 2: Quenched and tempered steel cylinders with tensile strength greater than or equal to 1 100 MPa	The following standards apply for the design, …	**yes**	**yes**	**S, B**
6.2.2.1.1	6.2.2.1.1	—	ISO	CEN/ TC 261 /SC 5	9809-3:2000	Gas cylinders – Refillable seamless steel gas cylinders – Design, construction and testing – Part 3: Normalized steel cylinders	The following standards apply for the design, …	**yes**	**yes**	**S, B**
6.2.2.1.1	6.2.2.1.1	—	ISO	?	7866:1999	Gas cylinders – Refillable seamless aluminium alloy gas cylinders – Design, construction and testing	The following standards apply for the design, …	**yes**	**yes**	**S, B**
6.2.2.1.1	6.2.2.1.1	—	ISO	?	11118:1999	Gas cylinders – Non-refillable metallic gas cylinders – Specification and test methods	The following standards apply for the design, …	**yes**	**yes**	**S, B**
6.2.2.1.1	6.2.2.1.1	—	ISO	?	11119-1:2002	Gas cylinders of composite construction – Specification and test methods – Part 1: Hoop wrapped composite gas cylinders	The following standards apply for the design, …	**yes**	**yes**	**S, B**
6.2.2.1.1	6.2.2.1.1	—	ISO	?	11119-2:2002	Gas cylinders of composite construction – Specification and test methods – Part 2: Fully wrapped fibre reinforced composite gas cylinders with load-sharing metal liners	The following standards apply for the design, …	**yes**	**yes**	**S, B**
6.2.2.1.1	6.2.2.1.1	—	ISO	?	11119-3:2002	Gas cylinders of composite construction – Specification and test methods – Part 3: Fully wrapped fibre reinforced composite gas cylinders with non-load-sharing metallic or non-metallic liners	The following standards apply for the design, …	**yes**	**yes**	**S, B**
6.2.2.1.2	6.2.2.1.2	—	ISO	?	11120:1999	Gas cylinders – Refillable seamless steel tubes for compressed gas transport, of water capacity between 150 l and 3 000 l – Design, construction and testing	The following standards apply for the design, …	**yes**	**yes**	**S, B**
6.2.2.1.3	6.2.2.1.3	—	ISO	ISO/ TC58/ SC3	9809-1:1999	Gas cylinders – Refillable seamless steel gas cylinders – Design, construction and testing – Part 1: Quenched and tempered steel cylinders with tensile strength less than 1 100 Mpa	The following standards apply for the design, …	**yes**	**yes**	**S, B**
6.2.2.1.3	6.2.2.1.3	—	ISO	ISO/ TC58/ SC3	9809-3:2000	Gas cylinders – Refillable seamless steel gas cylinders – Design, construction and testing – Part 3: Normalized steel cylinders	The following standards apply for the design, …	**yes**	**yes**	**S, B**
6.2.2.1.3	6.2.2.1.3	—	ISO	?	3807-1:2000	Cylinders for acetylene – Basic requirements – Part 1: Cylinders without fusible plugs	The following standards apply for the design, …	**yes**	**yes**	**S, B**
6.2.2.1.3	6.2.2.1.3	—	ISO	?	3807-2:2000	Cylinders for acetylene – Basic requirements – Part 2: Cylinders with fusible plugs	The following standards apply for the design, …	**yes**	**yes**	**S, B**
6.2.2.1.4	6.2.2.1.4	—	ISO	?	21029-1:2004	Cryogenic vessels – Transportable vacuum insulated vessels of not more than 1 000 l volume – Part 1: Design, fabrication, inspection and tests	The following standards apply for the design, …	**yes**	**yes**	**S, B**
6.2.2.2	6.2.2.2	—	ISO	?	11114-1:1997	Transportable gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 1: Metallic materials	The following standards apply for the design, …	**yes**	**yes**	**S, B**
6.2.2.2	6.2.2.2	—	ISO	?	11114-2:2000	Transportable gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 2: Non-metallic materials	The following standards apply for the design, …	**yes**	**yes**	**S, B**
6.2.2.2 Note	6.2.2.2 Note	—	ISO	?	11114-1	Not included	The limitations imposed in ISO …on … do not apply to …	**yes**	**yes**	**I**