

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-IS-11074-02-00 according to DIN EN ISO/IEC 17020:2012

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Holder of certificate:

TÜV NORD Systems GmbH & Co. KG
Notifizierte Stelle für ortsbewegliche Druckgeräte (TPED)
Große Bahnstraße 31, 22525 Hamburg

for its inspection body Type A

Inspections in the fields:

conformity assessments and tests of transportable pressure equipment according to 1.8.7 ADR/RID as a test center in accordance with 1.8.6 ADR/RID of pressure receptacles, their valves and accessories according to Article 2 of Directive 2010/35/EU in connection with Chapter 6.2 ADR/RID and of tanks, battery vehicles/Vehicles, multiple-element gas containers (MEGCs), their valves and other accessories in accordance with Article 2 of Directive 2010/35 EU in conjunction with Chapter 6.8 ADR/RID;
activities in accordance with § 12 GGVSEB on tanks, their equipment and service equipment in accordance with chapters 6.7, 6.8, 6.9 and 6.10 ADR/RID, which do not fall within the scope of the Transportable Pressure Vessel Ordinance;
responsibilities in accordance with § 13 GGVSEB

Abbreviations used: see last page

1 Transportable pressure equipment

1.1 Inspection of transportable pressure equipment for the transport of dangerous goods according to Directive 2010/35/EU in connection with ODV

STD-IS-ADR/TPED-VA-323-2 Rev. 1/01.16	Processes and procedures of the notified body TPED and the body according to §12 GGVSEB	
STD-AA-TPED-323-1 Rev. 0 2011	Type approval, Type testing, Reassessment of conformity, Initial inspections, Periodic inspections, Intermediate inspections and exceptional checks of transportable pressure equipment according to 2010/35 / EU and according to §§ 12 and 13 GGVSEB	(BM), (P), (EP), (NB), (WP), (ZP), (AP)
STD-AA-TPED-323-2 Rev. 3/12.15 2011	Supervision of manufacture and Surveillance of the applicant's in-house inspection service according to 2010/35 / EU and § 13 GGVSEB	(Ü-H), (Ü-beP)

Specification/Instructions	Inspection activities / Conformity assessment	Products
ADR/RID 1.8.7	Procedures for conformity assessment and periodic inspection	Pressure receptacles, Tanks
ADR/RID 1.8.7.2	Type approval	Pressure receptacles, Tanks
ADR/RID 1.8.7.3	Supervision of manufacture	Pressure receptacles, Tanks
ADR/RID 1.8.7.4	Initial inspection and tests	Pressure receptacles, Tanks
ADR/RID 1.8.7.5	Periodic inspection, intermediate inspection and exceptional checks	Pressure receptacles (only Periodic inspection/WP), Tanks
ADR/RID 1.8.7.6	Surveillance of the applicant's in-house inspection service	Pressure receptacles
ADR/RID 1.8.8	Procedure for the conformity assessment of gas cartridges	Gas cartridge
ADR/RID 1.8.8.3	Monitoring the production (Ü-H)	Gas cartridge
ADR/RID 1.8.8.4	Leak test	Gas cartridge
ADR/RID 1.8.8.6	Supervision of the company's own inspection service <i>Considering into the relevant instructions of section 1.8.8</i>	Gas cartridge

1.2 Inspection of vessels and their equipment

Specification/Instructions	Inspection activities / Conformity assessment	Products
2010/35/EU, Artikel 2, Satz 1, Nr. 1a ADR/RID 1.8.7, 1.8.8 ADR/RID 6.2	Inspection of Pressure receptacles (in accordance with chapter 6.2 of the annexes to the directive 2008/68/EG) for the subsequent conformity assessment: BM P EP NB WP Ü-H Ü-beP (the test results of the beP are not subject to the accreditation)	Pressure receptacles, valves and accessories (equipment) according to chapter 6.2 of the annexes to the directive 2008/68/EG

1.3 Inspection of tanks and their equipment

Specification/Instructions	Inspection activities / Conformity assessment	Products
2010/35/EU, Artikel 2, Satz 1, Nr. 1b ADR/RID 1.8.7 ADR/RID 6.8	Inspection of tanks (in accordance with chapter 6.8 of the annexes to the directive 2008/68/EG) for the subsequent conformity assessment: BM P EP NB WP ZP AP Ü-H	Tanks, battery vehicles/ vehicles, multiple-element gas containers (MEGC) and valves, accessories (equipment) as specified in chapter 6.8 of the annexes to Directive 2008/68/EC
	Ü-beP (the test results of the beP are not subject to the accreditation)	according to ODV § 18 Clause 1a for valves and other accessories (equipment according to chapter 6.8)

RID/ADR/ADN and the therein cited standards and rules must be applied. The current valid version must be substantially apply.

2 Inspection of tanks, their equipment and operating equipment in accordance with § 12 GGVSEB **

STD-IS-ADR/TPED-VA-323-2 Rev. 1/01.16	Processes and procedures of the notified body TPED and the body in accordance with § 12 GGVSEB	(BM/Type approval: only valves and equip- ment)
STD-IS-ADR-AA-323-10 Rev. 2/02.16	Inspection of tanks for substances of classes 1 to 9 according to ADR/RID**	
STD-IS-ADR-AA-323-11 Rev. 1/01.16	Surveillance of the applicant's in-house inspection service (IS) according to GGVSEB and ADR / RID Type testing of transportable tanks and UN- MEGC, fixed tanks, demountable tanks, battery-vehicles, tank wagon, tanks, battery wagons, tank container, tank swap bodies and MEGC, also tanks and tank container made of fibre-reinforced plastics (FRP); Initial inspection and test, Periodic inspection, Intermediate inspection and exceptional checks of tanks and equipment certain tasks, inspection of electrical equipment, Type testing and separate type approval of valves and other service equipment, the approval of the in-house inspection service for the supervision of manufacture of the valves and other service equipment and for the Initial inspection and test, and for the inspection and certification of acceptance of an amendment	(P), (EP), (WP), (ZP), (AP), (Ü-H), (Ü-beP)

**** these tasks only if they do not fall within the scope of the Transportable Pressure Vessel Ordinance (ODV)**

Specification/Instructions	Inspection activities / Conformity assessment	Products
ADR/RID 6.7.2.18.1, 6.7.3.14.1, 6.7.4.13.1 and 6.7.5.11.1 in connection with Chapter 4.2 and the paragraphs 6.7.2.19.9, 6.7.3.15.9, 6.7.4.14.10 and 6.7.5.12.7	Type testing (P) Clause 1 part 1 letter a) § 12 GGVSEB	Transportable tanks and UN-MEGC according to Cap. 6.7 ADR/RID
ADR/RID 6.8.2.3.1, in connection with Chapter 4.3 and Chapter 6.10 in connection with Chapter 4.5	Type testing (P) Clause 1 part 1 letter b) § 12 GGVSEB	fixed tanks, demountable tanks, battery vehicles, tank wagons, tank container, tank swap bodies and MEGCs according to Chap. 6.8 and vacuum-operated waste tanks according to Chap. 6.10
ADR/RID 6.9.4.1 in connection with Chapter 4.4	Type testing (P) Clause 1 part 1 letter c) § 12 GGVSEB	Tanks and tank containers made of fiber-reinforced plastics (FRP) according to Chap. 6.9
ADR/RID 6.7	Clause 1 part 2 letter a), b), c) § 12 GGVSEB Initial and periodic inspection, intermediate inspection and extraordinary inspection of shells and equipment	portable tanks and UN-MEGCs according to Chap. 6.7 ADR/RID
ADR/RID 6.8		fixed tanks, demountable tanks, battery vehicles, tank wagons, battery wagons, tank container, tank swap bodies and MEGCs according to Chap. 6.8 ADR/RID
ADR/RID 6.9		Tanks and tanks made of fiber-reinforced plastics (FRP) according to Chap. 6.9 ADR/RID

Specification/Instructions	Inspection activities / Conformity assessment	Products
ADR/RID 4.3.3.2.5	Clause 1 number 3 § 12 GGVSEB Definition of inspection pressure and fill level	Fixed tanks, demountable tanks, battery vehicles, tank wagons, battery wagons, tank container and MEGCs according to Chap. 6.8 ADR/RID
ADR/RID 6.7.2.6.3	Clause 1 number 3 § 12 GGVSEB Determination of the requirements for the design of the equipment for bottom discharge	Transportable tanks and UN-MEGC according to Chap.6.7 ADR/RID
ADR/RID 6.7.2.10.1	Clause 1 number 3 § 12 GGVSEB Determination of requirements for the safety of portable tanks for the transport of heated substances	Transportable tanks and UN-MEGC according to Chap. 6.7 ADR/RID
ADR/RID 6.7.2.19.10, ADR/RID 6.7.3.15.10	Clause 1 number 3 § 12 GGVSEB Approval of cutting, firing or welding work on the tank body; pressure test	Transportable tanks and MEGCs according to Chap. 6.7 ADR/RID
ADR/RID 6.8.2.2.10	Clause 1 number 3 § 12 GGVSEB Defining the requirements for the arrangement of the rupture disk and the safety valve	Fixed tanks, demountable tanks, battery vehicles, tank wagons, demountable tanks, battery wagons, tank containers, tank swap bodies and MEGCs according to Chap. 6.8 ADR/RID
ADR/RID 6.8.3.4.4	Clause 1 number 3 § 12 GGVSEB Determination of the capacity	fixed tanks, demountable tanks, battery-wagons, tank wagon, swap body, tank container and MEGCs according to Chap. 6.8 ADR/RID
ADR/RID 6.8.3.4.7	Clause 1 number 3 § 12 GGVSEB An amicable replacement of the water pressure test and the determination of the internal state by a leak test and a vacuum measurement	fixed tanks, demountable tanks, battery-vehicles, tank wagon, battery-wagons, tank container and MEGC according to Chap. 6.8 ADR/RID
ADR/RID 6.8.3.4.8	Clause 1 number 3 § 12 GGVSEB Approval of the method for sealing the tank body for refrigerated liquefied gas	fixed tanks, demountable tanks, battery-vehicles, tank wagon, battery-wagons, tank container and MEGC according to Chap. 6.8 ADR/RID

Specification/Instructions	Inspection activities / Conformity assessment	Products
ADR/RID 6.8.4 b) and d) Special provisions TT 2* TT 4* (TT 4 „Investigation of corrosion resistance" only in Chap. 6.8.4.d) of the RID) and TT 7*	Clause 1 number 3 § 12 GGVSEB Special provisions for the equipment * Lining of the tank body * Investigation of corrosion resistance * Approval of the program for the replace- ment of the recurrent internal examina- tion * <i>* each in agreement with the Federal Institute for Materials Research and Testing</i>	Tanks, if applicable entry in chap. 3.2, Table A, column 13 available Tanks Tanks only for RID Tanks and their equip- ment according to Chap. 6.8
ADR/RID 6.8.5.2.2	Clause 1 number 3 § 12 GGVSEB Determining the conditions for the weldseam	Fixed tanks, demountable tanks, tank wagon, tank container, according to Chap. 6.8.5 ADR/RID
ADR 9.2.2 and ADR 9.7.8	Clause 1 number 4 § 12 GGVSEB Testing of the electrical equipment for the operating equipment before commissioning (6.8.2.4.1) and in the WP (6.8.2.4.2), AP (6.8.2.4.4)	Electrical equipment of the service equipment of tanks
ADR/RID 6.8.2.3.1 Clause 9, ADR/RID 6.8.2.6.1, ADR/RID 1.8.7.2	Clause 1 number 5 § 12 GGVSEB Type testing and separate type approval ¹	Valves and other operating equipment for tanks accord- ing to Chap. 6.8, for which a standard is listed in the table in 6.8.2.6.1

¹ Only, if a standard is quoted in the table in 6.8.2.6.1

Specification/Instructions	Inspection activities / Conformity assessment	Products
ADR/RID 1.8.7.6 In connection with ADR/RID 1.8.7.7.5	Clause 1 number 5 § 12 GGVSEB Surveillance of the applicant's in-house inspection service Supervision of manufacture according 1.8.7.3 and initial inspection according 1.8.7.4 ADR/RID	Valves and operating equipment for tanks according to Chap. 6.8, for which a standard is listed in the table in 6.8.2.6.1, provided that the valves and controls do not fall within the scope of ODV
ADR/RID 1.8.7.2.5, ADR/RID 6.8.2.3.4	Clause 1 part 6 letter a), b) § 12 GGVSEB Examination and certificate of acceptance of an amendment	Tanks according to Chap. 6.8

3 Inspections in accordance § 13 GGVSEB

STD-IS-ADR/TPED-VA-323-2 Rev. 1/01.16	Processes and procedures of the notified body TPED and the body according to § 12 GGVSEB
STD-IS-TPED-AA-323-1 Rev. 3/12.15	Type approval, Supervision of manufacture, initial, periodic, intermediate and exceptional inspection, as well as reassessment of conformity of transportable pressure equipment according to Directive 2010/35/EU and according to §12 and 13 of the GGVSEB

Specification/Instructions	Inspection activities / Conformity assessment	Products
ADR/RID 1.8.7, 1.8.8	Conformity assessment and periodic inspection	Pressure receptacles and equipment according to Chap. 6.2
ADR/RID 1.8.7.2.5	Certificate of acceptance of an amendment	Pressure receptacles and equipment according to Chap. 6.2
ADR/RID 4.1.4.1	Tasks according to subsection 4.1.4.1 Packaging instruction P 200 with the exception of paragraph 9 ADR / RID in agreement with the Federal Institute for Materials Research and Testing	Pressure receptacles and equipment according to Chap. 6.2
ADR/RID 4.1.4.1 P200 Abs. 9	Test period definition in agreement with the Federal Institute for Materials Research and Testing	Composite receptacles according to Chap. 6.2

Specification/Instructions	Inspection activities / Conformity assessment	Products
ADR/RID 6.2.1.4.1, 6.2.1.4.2	Requirements for the conformity of the pressure receptacles at the time of manufacture; Control, Inspection, testing and approval; Regulations for the quality assurance program Recognition of the QA program	Pressure receptacles and equipment according to Chap. 6.2
ADR/RID 6.2.1.6.1, 6.2.1.6.2	Periodic inspections (WP)	Pressure receptacles and equipment according to Chap. 6.2
ADR/RID 6.2.1.7.2	Proficiency of manufactures	Pressure receptacles and equipment according to Chap. 6.2

**** These tasks only if they are not within the scope of Transportable Pressure Equipment Regulation (ODV) fall**

abbreviations used:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AP	Exceptional Inspection
BM	Type approval
DIN	German Institute for Standardization
EP	Initial inspection
GGVSEB	Regulation on the national and international carriage of dangerous goods by road, railways and inland waterways
NB	Reassessment
ODV	Transportable Pressure Vessel Ordinance
P	Type testing
RID	Convention concerning the International Carriage by Rail
S-VA	Process instruction of the TÜV NORD Systems GmbH
STD	Work instruction for the field of transportable pressure equipment of the TÜV NORD Systems GmbH
Ü-H	Supervision of manufacture
Ü-beP	Surveillance of the applicant's in-house inspection service
WP	Periodic inspections
ZP	In-process inspection