



EXECUTIVE AGENCY
BULGARIAN ACCREDITATION SERVICES

BAS reg. No. 267 OKA

dated: 08.10.2019.

Valid until: 30.09.2023.

ACCREDITATION CERTIFICATE

**„MULTITEST" LTD, VARNA
INSPECTION BODY OF TYPE A**

Registered and office address:

9009 Varna, West Industrial zone, 1, Atanas Dalchev str., PBox 161

UIC: 813141496

Scope of accreditation

To carry out inspection of:

Products, installations, constructions and equipment specified in accreditation order No. A 440/08.10.2019 to the following methods: radiographic inspection; ultrasonic inspection; magnetic particle inspection; liquid penetrant inspection; visual inspection; eddy current inspection; magnetic inspection; Inspection for corrosion (pitting).

Percentage content of chemical elements of materials by spectral analysis using optical emission and positive material identification by X-ray fluorescence method; macroscopic inspection; hardness, weight, geometric dimensions; Hydrostatic / hydraulic method of inspection using water or other inert liquid and/or measurement of volume expansion and / or water capacity; Pneumatic inspection method; Hydrostatic/hydraulic inspection method to rupture; Leak tightness inspection; Dielectric coatings and insulations by electric spark method; Cyclic pressure - pressure, number and frequency of cycles, torque.

Ultrasonic flaw detectors – conventional and phased array, Ultrasonic Thickness Meters, magnetic flaw detectors, Industrial X-ray film viewers, Alternating current, direct current, pulse industrial X-ray machines, Industrial ultraviolet (UV) sources, Flaw detectors for insulating coatings, Crack depth measurement instruments, Eddy current flaw detectors, Instruments for determining coating thickness.

ACCREDITED ACCORDING TO BDS EN ISO/IEC 17020:2012

Order No. A 440/08.10.2019 is integral part of accreditation certificate, 28 pages in total.

Date of initial accreditation: 26.09.2011

Date of reaccreditation: 30.09.2019

Executive Director:
Eng. Irena Borislavova

\round stamp and handwritten signature\

EA BAS
BG20190279



ORDER

No. A 440

Sofia, 08.10.2019

On the basis of Art. 10, para. 1, item 2a, in relation to Art. 32, item 1 of the Law on National Accreditation of Conformity Assessment Bodies and item 5.3 in connection with modification of an element of certificate content in accordance with item 4.3.8 of Accreditation procedure BAS QR 2, letter from CAB concerning a technical error in the address of management and office incoming No. 289/267OKA/9/E/03.10.2019, Report BAS QF 2.9.5.5 reg. No. 289/267OKA/10/B/07.10.2019 and Order of EA BAS No. A 439/08.10.2019.

I HEREBY MODIFY
ORDER No. A 426/30.09.2019 BY EA BAS
INSPECTION BODY OF TYPE A OF „MULTITEST" LTD, VARNA

Management and office address:
9009, Varna, West Industrial Zone, 1, Atanas Dalchev str., PBox 161

To perform inspection within the scope as follows:

Item	Area of inspection	Type of inspection	Inspected parameter/feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
1.	Welded metallic joints of pressure vessels, pressure equipment and transportable pressure equipment; Welded joints of oil pipelines and oil product pipelines; Welded joints of gas pipelines and their equipment of metallic gas transmission and distribution pipelines and of natural gas equipment, installations and appliances; Permanent joints of gas equipment and HGL installations; Metal and reinforced concrete structures, and components thereof, industrial fittings and accessories, including elements, of heat and water supply systems, gas equipment and installations, lifting equipment,	Of new and/or in service/operation objects/equipment/products	Type, size and location of discontinuities/imperfections	Radiographic inspection RPK RT-01-03 RPK RT-01-04 ISO 4993 BDS EN ISO 5579 BDS EN ISO 10893-6 BDS EN ISO 10893-7 BDS EN 12681-1 BDS EN ISO 16371-2 BDS EN ISO 17636-1 BDS EN ISO 17636-2 ISO 13847 GOST R 50.05.07 ASTM E94/E94M ASTM E1030/E1030M ASTM E1032 ASTM E1742/E1742M ASTM E2104 ASME BPVC V Article 2 ASME B 16.34 API 1104 API 650	ODSOTSPE, Article 19; Article 21 ODSOOOPP, art. 7; article 25; article26 ODSONGTDPEIA, article 6; Article 9; article 127; article 216 b, zh ODSOTSGELPGI, Article 105 ODOTSAS, article157 NP-084-15 NP-105-18 ADR- item 6.2.1.5.2, Item 6.7.3.15.3, Item 6.7.4.14.3, Item 6.8.2.1.23 RID- item 6.2.1.5.2, Item 6.7.3.15.3, Item 6.7.4.14.3, Item 6.8.2.1.23 ADN- part 6 (ADR- Item 6.2.1.5.2, Item 6.7.3.15.3, Item 6.7.4.14.3, Item 6.8.2.1.23 TS BDS EN 286-1 BDS EN 286-2 BDS EN 286-3 BDS EN 286-4 BDS EN 448 BDS EN 489 BDS EN 1090-1+A1 BDS EN 1090-2 BDS EN 1090-3 BDS EN ISO 3183 BDS EN 10213+A1 BDS EN 10217-1 BDS EN 10217-5

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
	material handling equipment, pressure equipment, pressure vessels, transportable pressure equipment; Castings and forgings Products made of non-metallic and metallic materials and their alloys, and permanent joints thereof				BDS EN 10217-6 BDS EN 10217-7 BDS EN 12542 BDS EN 12732+A1 BDS EN 12952-6 BDS EN 12953-5 BDS EN 13445-5 BDS EN 13458-2 BDS EN 13480-5 BDS EN 14163 BDS EN 14197-2 BDS EN ISO 17635 BDS EN 1442 BDS EN 1251-2 BDS EN 12493+A2 BDS EN 12972 BDS EN 12862 BDS EN 13110+A1 BDS EN 13322-1 BDS EN 13322-2 BDS EN 13530-2 BDS EN ISO 13628-5 BDS EN 14015 BDS EN 14025 BDS EN 14140 BDS EN 14208 BDS EN 14398-2+A2 BDS EN 14638-1 BDS EN 14638-3 BDS EN 14893 ISO 21029-1 BDS EN ISO 5817 BDS EN ISO 10042 BDS EN ISO 10675-1 BDS EN ISO 10675-2 BDS EN ISO 6520-1 BDS EN ISO 6520-2 BDS EN ISO 10893-6 BDS EN ISO 10893-7 ISO 11513 ISO 13847 ASME BPVC I ASME BPVC III Division 1 ASME BPVC III Division 2 ASME BPVC III Division 3 ASME BPVC VIII Division 1 ASME BPVC VIII Division 2 ASME BPVC VIII Division 3 ASME BPVC IX ASME BPVC XI ASME B 31.1 ASME B 31.3 ASME B 16.34 ASTM E446 ASTM E186 ASTM E280 ASTM E2422 API 1104
1.2	Products, made of metallic materials and their alloys	Of new and/or in service/ operation objects/ equipment/ products	Thickness	Radiographic inspection RPK RT-01-03 BDS EN ISO 20769-1 BDS EN ISO 20769-2	TS

1	2	3	4	5	6
2.1	Welded metallic joints of pressure vessels, pressure equipment и transportable pressure equipment Welded joints of gas pipelines and their equipment of metallic gas transmission and distribution pipelines and of natural gas equipment, installations and appliances Permanent joints of gas equipment and HGL installations Metal and reinforced concrete structures, and components therefor, industrial fittings and accessories, including elements, of heat and water supply systems , gas equipment и installations, lifting equipment, material handling equipment, pressure equipment, pressure vessels, transportable pressure equipment Castings and forgings Products made of non-metallic and metallic materials and their alloys, and permanent joints thereof	Of new and/or in service/ operation objects/ equipment/ products	Type, size and location of discontinuities/ imperfections	Ultrasonic inspection RPK UT-02-03 RPK UT-02-04 BDS EN ISO 16810 BDS EN ISO 16811 BDS EN ISO 16823 BDS EN ISO 16826 BDS EN ISO 16827 BDS EN 1802 BDS EN 1968 BDS EN ISO 9809-1 BDS EN ISO 9809-2 BDS EN ISO 9809-3 BDS EN 10160 BDS EN 10228-3 BDS EN 10228-4 BDS EN 10306 BDS EN 10307 BDS EN 10308 BDS EN ISO 18119 BDS EN ISO 10893-8 BDS EN ISO 11120 BDS EN ISO 11439 BDS EN 12680-1 BDS EN 12680-2 BDS EN 12680-3 BDS EN ISO 17640 BDS EN ISO 22825 ISO 13847 BDS EN ISO 10893-11 BDS EN ISO 10893-9 BDS EN ISO 10893-10 GOST R 50.05.02 GOST R 50.05.04 GOST R 50.05.05 ASME BPVC III Division 3 ASME BPVC V Article 4 ASME BPVC V Article 5 ASME B 16.34 ASTM E114 ASTM E164 ASTM E213 ASTM E273 ASTM E587 ASTM E1901 ASTM E2192 ASTM E2223 ASTM E2375 ASTM A388/A388M ASTM A435/A435M ASTM A577/A577M ASTM A578/A578M ASTM A609/A609M ASTM A745/A745M ASTM B548 API 650 API 1104	ODSOTSPE, art. 19; art. 21 ODSOTSGELPGI article 105 ODSOOOPP, article 7; article 26 ODSONGTDPEIA, article 6; article 9; article 127; article 216 b, zh ODOTSAS, article 157 NP-084-15 NP-105-18 ADR- item 6.2.1.5.2; item 6.7.3.15.3; item 6.7.4.14.3; item 6.8.2.1.23 RID – item 6.2.1.5.2; item 6.7.3.15.3; item 6.7.4.14.3; item 6.8.2.1.23 ADN- part 6 (ADR-item 6.2.1.5.2; item 6.7.3.15.3; item 6.7.4.14.3; item 6.8.2.1.23) TS BDS EN 1090-1+A1 BDS EN 1090-2 BDS EN 1090-3 BDS EN 10025-1 BDS EN 10207 BDS EN ISO 3183 BDS EN 10160 BDS EN 10228-3 BDS EN 10228-4 BDS EN 10306 BDS EN 10307 BDS EN 10308 BDS EN 10213+A1 BDS EN 10216-1 BDS EN 10216-2 BDS EN 10216-3 BDS EN 10216-4 BDS EN 10216-5 BDS EN 10217-1 BDS EN 10217-2 BDS EN 10217-3 BDS EN 10217-4 BDS EN 10217-5 BDS EN 10217-6 BDS EN 10217-7 BDS EN 10222-1 BDS EN 10312 BDS EN ISO 10893-8 BDS EN ISO 10893-9 BDS EN ISO 10893-10 BDS EN ISO 10961 BDS EN 12542 BDS EN 12680-1 BDS EN 12680-2 BDS EN 12680-3 BDS EN 12732+A1 BDS EN 12952-5 BDS EN 12952-6 BDS EN 12953-5 BDS EN 13445-5 BDS EN 13480-5 BDS EN 14163 BDS EN ISO 17635 BDS EN 1802 BDS EN 1968 BDS EN ISO 18119

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes	
1	2	3	4	5	6	
					BDS EN ISO 9809-1 BDS EN ISO 9809-2 BDS EN ISO 9809-3 BDS EN ISO 11120 BDS EN ISO 11439 BDS EN 12493+A2 BDS EN 12807 BDS EN 12972 BDS EN 13530-2 BDS EN ISO 13628-5 BDS EN 14015 BDS EN 14025- BDS EN 14893 BDS EN 14398-2+A2 ISO 21029-1 BDS EN ISO 5817 BDS EN ISO 10042 BDS EN ISO 11666 BDS EN ISO 23279 BDS EN ISO 6520-1 BDS EN ISO 6520-2 ISO 13847 BDS EN ISO 10893-11 ASME BPVC III Division 1 ASME BPVC III Division 3 ASME BPVC VIII Division 1 ASME BPVC VIII Division 2 ASME BPVC VIII Division 3 ASME BPVC IX ASME BPVC XI API 650 API 1104 ASME B31.1 ASME B31.3 ASME B16.34 ASTM A388/A388M ASTM A435/A435M ASTM A577/A577M ASTM A578/A578M ASTM A609/A609M ASTM A745/A745M ASTM B548 Ultrasonic inspection by time-of-flight diffraction (ToFD) and phased array methods RPK UT-02-05 BDS EN ISO 10863 BDS EN 12732+A1 BDS EN ISO 13588 BDS EN ISO 17640 BDS EN ISO 16828 ISO 20601 ASME BPVC V Article 4 ASTM E1961 ASTM E2700 API 1104	TS BDS EN ISO 5817 BDS EN 12732+A1 BDS EN ISO 17635 BDS EN ISO 15626 BDS EN ISO 19285 API 1104
2.2	Welded metallic joints of pressure vessels, pressure equipment and transportable pressure equipment	Of new and/or in service/ operation objects/ equipment/	Thickness	Ultrasonic inspection RPK UT-02-03 RPK UT-02-04 BDS EN 1968	ODSOTSPE, article 19; ODSOOOPP, article 7; ODSOTSGELPGI, Article 105 ADR-	

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
	pressure equipment Welded joints of gas pipelines and their equipment of metallic gas transmission and distribution pipelines and of natural gas equipment, installations and appliances Permanent joints of Gas equipment and HGL installations Metal and reinforced concrete structures, and components therefor, industrial fittings and accessories, including elements, of heat and water supply systems, gas equipment и installations, lifting equipment, material handling equipment, pressure equipment, pressure vessels, transportable pressure equipment Castings and forgings Products made of non-metallic and metallic materials and their alloys	products		BDS EN ISO 10893-12 BDS EN 14127 BDS EN 12817 BDS EN 12819 ASTM E797/E797M	items 6.2.1.5.1; 6.2.1.6.1; 6.2.5.4.3; 6.7.2.4; 6.7.3.4; 6.7.4.4; 6.8.2.1.17; 6.8.2.1.18; 6.8.2.1.19; 6.8.2.1.20; 6.8.2.1.21; 6.8.4 a and d RID- items 6.2.1.5.1; 6.2.1.6.1; 6.2.5.4.3; 6.7.2.4; 6.7.3.4; 6.7.4.4; 6.8.2.1.17; 6.8.2.1.18; 6.8.2.1.19; 6.8.2.1.20; 6.8.2.1.21; 6.8.4 a and d ADN- part 6 (ADR- items 6.2.1.5.1; 6.2.1.6.1; 6.2.5.4.3; 6.7.2.4; 6.7.3.4; 6.7.4.4; 6.8.2.1.17; 6.8.2.1.18; 6.8.2.1.19; 6.8.2.1.20; 6.8.2.1.21; 6.8.4 a and d) TS BDS EN 1440+A1 BDS EN ISO 3183 BDS EN 10216-1 BDS EN 10216-2 BDS EN 10216-3 BDS EN 10216-4 BDS EN 10216-5 BDS EN 13480-5 BDS EN 3-8 BDS EN 1251-2 BDS EN 1802 BDS EN 1803 BDS EN 1968 BDS EN ISO 18119 BDS EN ISO 7866 BDS EN ISO 9809-1 BDS EN ISO 9809-2 BDS EN ISO 9809-3 BDS EN ISO 10462 BDS EN ISO 10893-12 BDS EN ISO 11118 ISO 11119-1 ISO 11119-2 ISO 11119 3 BDS EN ISO 11120 BDS EN ISO 11439 BDS EN 12257 BDS EN 12493+A2 BDS EN 12542 BDS EN 12732+A1 BDS EN 12807 BDS EN 12817 BDS EN 12819 BDS EN 12862 BDS EN 12952-6 BDS EN 12953-5 BDS EN 12972 BDS EN 13110+A1 BDS EN 13322-1 BDS EN 13322-2 BDS EN 13445-4 BDS EN 13445-5 BDS EN 13458-2 BDS EN ISO 13628-5 BDS EN 14015 BDS EN 14025 BDS EN 14140

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
					BDS EN 14208 BDS EN 14427 BDS EN 14638-1 BDS EN 14638-3 BDS EN 14876 BDS EN 14893 BDS EN 14161+A1 BDS EN 15888 BDS EN 16728+A1 ISO 11513 ASME SECTION IV ASME SECTION VIII Division 2 ASTM A264
3	Welded metallic joints of pressure vessels, pressure equipment and transportable pressure equipment Welded joints of gas pipelines and their equipment of metallic gas transmission and distribution pipelines and of natural gas equipment, installations and appliances Permanent joints of gas equipment and HGL installations Metal and reinforced concrete structures, and components thereof, industrial fittings and accessories, including elements, of heat and water supply systems, gas equipment and installations, lifting equipment, material handling equipment, pressure vessels, pressure equipment, transportable pressure equipment Castings and forgings Products, made of metallic materials and their alloys, and permanent joints thereof	Of new and/or in service/ operation objects/ equipment/ processes/ products	Type, size and location of surface and subsurface discontinuities/ indications	Magnetic-particle inspection RPK MT-03-03 RPK MT-03-04 BDS EN 1369 BDS EN ISO 9934-1 BDS EN 10228-1 BDS EN ISO 10893-5 BDS EN ISO 17638 ISO 13847 GOST R 50.05.06 ASTM A275/A275M ASTM E709 ASTM E1444/E1444M ASME BPVC V Article 7 API 650	ODSOTSPE, art. 20, art. 21. ODSONGTDPPEIA, article 6, article 9, art. 127, art. 216 b, zh NP-084-15 NP-105-18 ADR- items 6.2.1.5.2; 6.7.3.15.3; 6.7.4.14.3; 6.8.2.1.23, 6.8.4d; RID - items 6.2.1.5.2; 6.7.3.15.3; 6.7.4.14.3; 6.8.2.1.23; 6.8.4d ADN- part 6 (ADR- items 6.2.1.5.2; 6.7.3.15.3; 6.7.4.14.3; 6.8.2.1.23; 6.8.4d) TS BDS EN 1090-1+A1 BDS EN 1090-2 BDS EN 1090-3 BDS EN 10213+A1 BDS EN 10222-1 BDS EN ISO 10893-5 BDS EN 12542 BDS EN 12732+A1 BDS EN 12952-5 BDS EN 12952-6 BDS EN 12953-5 BDS EN 13445-5 BDS EN 13480-5 BDS EN 14163 BDS EN ISO 17635 BDS EN 12493+A2 BDS EN 12516-1+A1 BDS EN 12972 BDS EN 14015 BDS EN 14025 BDS EN 14208 BDS EN 14893 BDS EN ISO 17638 BDS EN ISO 5817 BDS EN ISO 23278 BDS EN ISO 6520-1 BDS EN ISO 6520-2 BDS EN ISO 3183 BDS EN ISO 10961 ISO 13847 BDS EN 15888 ASME BPVC I ASME BPVC III Division 1 ASME BPVC III Division 3 ASME BPVC VIII

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
					Division 1 ASME BPVC VIII Division 2 ASME BPVC VIII Division 3 ASME B31.1 ASME B31.3 ASME B16.34 API 1104
4	Welded metallic joints of pressure vessels, pressure equipment and transportable pressure equipment; Welded joints of oil pipelines and oil product pipelines; Welded joints of gas pipelines and their equipment of metallic gas transmission and distribution pipelines and of natural gas equipment, installations and appliances. Permanent joints of gas equipment and HGL installations Metal and reinforced concrete structures, and components therefor, industrial fittings and accessories, including elements, of heat and water supply systems, gas equipment and installations, lifting equipment, material handling equipment, pressure vessels, equipment and transportable pressure equipment; Castings and forgings Products made of non-metallic and metallic materials and their alloys, and permanent joints thereof	Of new and/or in service/ operation objects/ equipment/ products	Type, size and location of discontinuities/ indications, breaking the surface	Liquid penetrant inspection RPK PT-04-03 RPK PT-04-04 GOST R 50.05.09 BDS EN ISO 3452-1 BDS EN ISO 3452-5 BDS EN ISO 3452-6 BDS EN 1371-1 BDS EN 1371-2 BDS EN 10228-2 BDS EN ISO 10893-4 ISO 13847 ASTM E165/E165M ASTM E1220 ASTM E1417/E1417M ASTM E1418 ASME BPVC V Article 6 API 650	ODSOTSPE, article 20, article 21; ODSONGTDPEIA, article 6, article 9, article 127, article 216 b, zh NP-084-15 NP-105-18 ADR- items 6.2.1.5.2; 6.7.3.15.3; 6.7.4.14.3; 6.8.2.1.23 RID- items 6.2.1.5.2; 6.7.3.15.3, 6.7.4.14.3; 6.8.2.1.23 ADN- part 6 (ADR- items 6.2.1.5.2; 6.7.3.15.3; 6.7.4.14.3; 6.8.2.1.23) TS BDS EN 1090-1+A1 BDS EN 1090-2 BDS EN 1090-3 BDS EN 10213+A1 BDS EN 10222-1 BDS EN 12542 BDS EN 12732+A1 BDS EN 12952-5 BDS EN 12952-6 BDS EN 12953-5 BDS EN 13445-5 BDS EN 13480-5 BDS EN 14163 BDS EN ISO 17635 BDS EN 12493+A2 BDS EN 12516-1+A1 BDS EN 12972 BDS EN 13458-2 BDS EN 14015 BDS EN 14025- BDS EN 14208 BDS EN 14876 BDS EN 14893 BDS EN ISO 5817 BDS EN ISO 10042 BDS EN ISO 23277 BDS EN ISO 6520-1 BDS EN 1371-1 BDS EN 1371-2 BDS EN 10228-2 BDS EN ISO 10893-4 BDS EN ISO 6520-2 ISO 13847 ASME BPVC I ASME BPVC III Division 1 ASME BPVC III Division 3 ASME BPVC VIII Division 1 ASME BPVC VIII Division 2 ASME BPVC VIII

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
					Division 3 ASME BPVC IX ASME B31.1 ASME B31.3 ASME B16.34 API 1104
5	Welded metallic joints of pressure vessels, pressure equipment и transportable pressure equipment Welded joints of oil pipelines and oil product pipelines Welded joints gas pipelines and their equipment of metallic gas transmission and distribution pipelines and of natural gas equipment, installations and appliances; Permanent joints of gas equipment и HGL installations; Metal and reinforced concrete structures, and components therefor, industrial fittings and accessories, including elements, of heat and water supply systems, gas equipment и installations, lifting equipment, material handling equipment, pressure vessels, equipment and transportable pressure equipment Castings and forgings Products made of non-metallic and metallic materials and their alloys, and permanent joints thereof	Of new and/or in service/ operation objects/ equipment/ products	Type, size and location of imperfections, deviation in geometric dimensions	Visual inspection RPK VT-05-03 RPK VT-05-04 GOST R 50.05.08 BDS EN ISO 17637 BDS EN 13018 BDS EN 1370 ISO 13847 BDS EN ISO 3183 ASME BPVC V Article 9 API 650	ODSOTSPE, article 19, article 21. ODSONGTDPEIA, article 6, article 9, article 127, article 216 b, zh NP-084-15 NP-105-18 ADR – items 6.2.1.5.1; 6.2.1.5.2; 6.2.1.6.1; 6.7.2.19.3; 6.7.2.19.4; 6.7.2.19.5; 6.7.2.19.8; 6.7.3.15.3; 6.7.3.15.4; 6.7.3.15.5; 6.7.3.15.8; 6.7.4.14.3; 6.7.4.14.4; 6.7.4.14.8; 6.7.4.14.9; 6.7.5.12.3; 6.7.5.12.4; 6.7.5.12.6; 6.8.3.4.11; 6.8.3.4.13; 6.8.3.4.15 RID – items 6.2.1.5.1; 6.2.1.5.2; 6.2.1.6.1; 6.7.2.19.3; 6.7.2.19.4; 6.7.2.19.5; 6.7.2.19.8; 6.7.3.15.3; 6.7.3.15.4; 6.7.3.15.5; 6.7.3.15.8; 6.7.4.14.3; 6.7.4.14.4; 6.7.4.14.8; 6.7.4.14.9; 6.7.5.12.3; 6.7.5.12.4; 6.7.5.12.6; 6.8.3.4.11; 6.8.3.4.13; 6.8.3.4.15 ADN- part 6 (ADR- items 6.2.1.5.1; 6.2.1.5.2; 6.2.1.6.1; 6.7.2.19.3; 6.7.2.19.4; 6.7.2.19.5; 6.7.2.19.8; 6.7.3.15.3; 6.7.3.15.4; 6.7.3.15.5; 6.7.3.15.8; 6.7.4.14.3; 6.7.4.14.4; 6.7.4.14.8; 6.7.4.14.9; 6.7.5.12.3; 6.7.5.12.4; 6.7.5.12.6; 6.8.3.4.11; 6.8.3.4.13; 6.8.3.4.15) TS BDS EN 286-1 BDS EN 286-2 BDS EN 286-3 BDS EN 286-4 BDS EN 334+A1 BDS EN 10213+A1 BDS EN 10216-1 BDS EN 10216-2 BDS EN 10216-3 BDS EN 10216-4 BDS EN 10216-5 BDS EN 12542 BDS EN 12732+A1 BDS EN 12952-5 BDS EN 12952-6 BDS EN 12953-5 BDS EN 13445-5 BDS EN 13458-2 BDS EN 13480-5 BDS EN 14163 BDS EN 14197-2

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
					BDS EN ISO 17635 BDS EN 1251-2 BDS EN ISO 21029-2 BDS EN 1440+A1 BDS EN 1442 BDS EN 1802 BDS EN 1803 BDS EN 1968 BDS EN ISO 18119 BDS EN ISO 7866 BDS EN ISO 9809-1 BDS EN ISO 9809-2 BDS EN ISO 9809-3 BDS EN 10120 BDS EN ISO 3183 BDS EN ISO 10462 BDS EN ISO 11118 ISO 11119-1 ISO 11119-2 ISO 11119-3 BDS EN ISO 11120 BDS EN ISO 11623 BDS EN 12257 BDS EN 12493+A2 BDS EN 12807 BDS EN 12817 BDS EN 12819 BDS EN 12862 BDS EN 12972 BDS EN 13110+A1 BDS EN 13121-3 BDS EN 13322-1 BDS EN 13322-2 BDS EN 13530-2 BDS EN ISO 13628-5 BDS EN 13953 BDS EN 14015 BDS EN 14025 BDS EN 14140 BDS EN 14208 BDS EN 14398-2+A2 BDS EN 14427 BDS EN 14638-1 BDS EN 14638-3 BDS EN 14876 BDS EN 14893 BDS EN 14912 ISO 21029-1 BDS EN ISO 5817 BDS EN ISO 10042 BDS EN ISO 6520-1 BDS EN ISO 6520-2 BDS EN 15888 ISO 11513 BDS EN 16728+A1 BDS EN ISO 17879 ASME BPVC I ASME BPVC III Division 1 ASME BPVC III Division 3 ASME BPVC IV ASME BPVC IX ASME BPVC VIII Division 1 ASME BPVC VIII Division 2 ASME BPVC VIII Division 3 ASME BPVC XI

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
					ASME B31.1 ASME B31.3 API 1104 API 650
6	Materials for welded metallic joints of pressure vessels, pressure equipment and transportable pressure equipment. Materials for welded joints of oil pipelines and oil product pipelines Materials for welded joints of gas pipelines and their equipment of metallic gas transmission and distribution pipelines and of natural gas equipment, installations and appliances Materials for permanent joints of gas equipment and HGL installations Materials for metallic and reinforced concrete structures, and components thereof, industrial fittings and accessories, including elements, of heat and water supply systems , gas equipment и installations, lifting equipment, material handling equipment, pressure vessels, equipment and transportable pressure equipment Castings and forgings Products, made of metallic materials and their alloys, and permanent joints thereof	Of new and/or in service/ operation objects/ equipment/ products	Percentage content of chemical elements C, Si, Mn, P, S, Cr, Mo, Ni, Al, Co, Cu, Nb, Ti, V, W and Fe base Percentage content of chemical elements Zn, Pb, Sn, Mn, Fe, Ni, Si, Al and Cu base Percentage content of chemical elements Si, Fe, Cu, Mn, Mg, Cr, Ni, Zn, Ti, Pb, Sn and Al base	Spectral analysis by optical emission RPK SA-11-01/2018	ODSOOOPP, article 25 ODSONGTDPEIA, article 16 ADR- items 6.2.1.5.1; 6.8.4; 6.8.5.2 RID – items 6.2.1.5.1; 6.8.4; 6.8.5.2 ADN-part 6 (ADR- items 6.2.1.5.1; 6.8.4; 6.8.5.2) TS Stahlschlüssel BDS EN 10028-4 BDS EN 10207 BDS EN ISO 3183 BDS EN ISO 9809-1 BDS EN ISO 9809-2 BDS EN ISO 9809-3 BDS EN 10213+A1 BDS EN 10216-2 BDS EN 10216-4 BDS EN 10216-5 BDS EN 10217-1 BDS EN 10217-2 BDS EN 10217-3 BDS EN 10217-4 BDS EN 10217-5 BDS EN 10217-6 BDS EN 10217-7 BDS EN 10219-1 BDS EN 10225 BDS EN 10269 BDS EN ISO 11118 BDS EN 12420 BDS EN 12952-2 BDS EN 13480-2 BDS EN 13674-3+A1 BDS EN ISO 7866 BDS EN 10025-2 BDS EN 10025-4 BDS EN 10025-5 BDS EN 10028-7 BDS EN ISO 683-1 BDS EN ISO 683-2 BDS EN ISO 683-3 BDS EN 10088-1 BDS EN 10088-2 BDS EN 10088-3 BDS EN 10149-2 BDS EN 10149-3 BDS EN 10250-2 BDS EN 10250-3 BDS EN 10250-4 BDS EN 10263-2 BDS EN 10263-3 BDS EN 10263-4 BDS EN 10263-5 BDS EN 10268+A1 BDS EN 10283 BDS EN 10293 BDS EN 10295 BDS EN 10302 BDS EN 10305-2 BDS EN 10305-3 BDS EN 10305-4 BDS EN 10305-5

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
					BDS EN 10305-6 BDS EN 10340 BDS EN 10346 BDS EN ISO 11120 BDS EN 12449 BDS EN 12862 BDS EN 13110+A1 BDS EN 13293 BDS EN 14161+A1 BDS EN ISO 15156-2 BDS EN ISO 15156-3 ASME BPVC II Part A, Part B, Part C ASME BPVC III, Division 3 ASME BPVC IX
7	Materials for welded metallic joints of pressure vessels, pressure equipment и transportable pressure equipment. Materials for welded joints of oil pipelines and oil product pipelines Materials for welded joints of gas pipelines and their equipment of metallic gas transmission and distribution pipelines and of natural gas equipment, installations and appliances; Materials for permanent joints of gas equipment and HGL installations Materials for metallic and reinforced concrete structures, and components therefor, industrial fittings and accessories, including elements, of heat and water supply systems, gas equipment и installations, lifting equipment, material handling equipment, pressure vessels, pressure equipment and transportable pressure equipment Castings and forgings Products, made of metallic materials and their alloys, and permanent joints thereof	Of new and/or in service/ operation objects/ equipment/ products	Percentage content of chemical elements Si, Mn, P, S, Cr, Mo, Ni, Al, Co, Cu, Nb, Ti, V, W and Fe base Percentage content of chemical elements Zn, Pb, Sn, Mn, Fe, Ni, Si, Al and Cu base Percentage content of chemical elements Si, Fe, Cu, Mn, Mg, Cr, Ni, Zn, Ti, Pb, Sn and Al base	Positive material identification by X-ray fluorescence method RPK PMI-11-02/2018 BDS EN 15309 ASTM E322 ASTM E572	ODSOOOPP, article 25 ADR- items 6.2.1.5.1; 6.8.4, 6.8.5.2 RID – items 6.2.1.5.1; 6.8.4, 6.8.5.2 ADN- part 6 (ADR- items 6.2.1.5.1; 6.8.4; 6.8.5.2) TS Stahlschlüssel BDS EN ISO 9809-1 BDS EN ISO 9809-2 BDS EN ISO 9809-3 BDS EN ISO 7866 BDS EN 10025-2 BDS EN 10025-5 BDS EN 10028-7 BDS EN ISO 683-1 BDS EN ISO 683-2 BDS EN ISO 683-3 BDS EN 10088-1 BDS EN 10088-3 BDS EN 10149-2 BDS EN 10149-3 BDS EN 10207 BDS EN ISO 3183 BDS EN 10213+A1 BDS EN 10216-5 BDS EN 10217-1 BDS EN 10219-1 BDS EN 10225 BDS EN 10250-2 BDS EN 10250-3 BDS FN 10250-4 BDS EN 10263-2 BDS EN 10263-3 BDS EN 10263-4 BDS EN 10263-5 BDS EN 10268+A1 BDS EN 10269 BDS EN 10283 BDS EN 10293 BDS EN 10295 BDS EN 10302 BDS EN 10305-2 BDS EN 10305-5 BDS EN 10305-6 BDS EN 10340 BDS EN 10346 BDS EN ISO 11120 BDS EN ISO 11118 BDS EN 12420 BDS EN 12449

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
					BDS EN 12862 BDS EN 12952-2 BDS EN 13110+A1 BDS EN 13293 BDS EN 13480-2 BDS EN ISO 13628-5 BDS EN 13674-3+A1 BDS EN 14208 BDS EN ISO 14245 BDS EN 14638-1 BDS EN 14638-3 BDS EN ISO 15995 ASME BPVC II Part A, Part B, Part C ASME BPVC III, Division 3 ASME BPVC IX
8	Materials, welded metallic joints of pressure vessels, equipment and transportable pressure equipment. Materials, welded joints of oil pipelines and oil product pipelines Materials, welded joints of gas pipelines and their equipment of metallic gas transmission and distribution pipelines and of natural gas equipment, installations and appliances Materials, permanent joints of gas equipment and HGL installations Materials, metal and reinforced concrete structures, and components therefor, industrial fittings and accessories, including elements, of heat and water supply systems, gas equipment и installations, lifting equipment, material handling equipment, pressure vessel, equipment and transportable pressure equipment Castings and forgings Products, made of metallic materials and their alloys, and permanent joints thereof	Of new and/or in service/ operation objects/ equipment/ products	Type, size and location of imperfections, inclusions and distribution	Macroscopic inspection RPK MI-16-01 RPK MI-16-02 BDS EN ISO 17639 BDS EN 12797 ASTM E45 ASTM E112	TS, BDS EN 3-8 BDS EN ISO 3183 BDS EN 12797 BDS EN 12807 BDS EN 13322-1 BDS EN 13322-2 BDS EN ISO 5817 BDS EN ISO 10042 BDS EN ISO 6520-1 BDS EN ISO 6520-2 BDS EN 12493+A2 ISO 11513 BDS EN 12732+A1 ASME BPVC III Division 1 ASME BPVC IV ASME BPVC VIII Division 1 ASME BPVC VIII Division 2 ASME BPVC VIII Division 3 ASME BPVC IX ASME BPVC XI API 1104 API 650

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
9	Products, made of non-metallic and metallic materials and their alloys, and transportable pressure receptacles / cylinders, barrels, drums, bundles, tubes/ for storage and transportation of compressed and liquefied gases	Of new and/or in service/ operation objects/ equipment/ products	Mass	Inspection of weight RPK WI-17-01	TS, BDS EN ISO 7866 BDS EN 1968 ISO 11119-1 ISO 11119-2 ISO 11119-3 BDS EN ISO 11120 BDS EN 12245+A1 BDS EN 12257 BDS EN 12862 BDS EN 13293 BDS EN 13322-1 BDS EN 13322 2 BDS EN 14208 BDS EN 14427 BDS EN 14638-1 BDS EN 14638-3 BDS EN 3-8 BDS EN ISO 3183 BDS EN 16728+A1
10	Cryogenic vessels, gas cylinders and transportable gas cylinders, HGL steel tanks, dangerous goods tanks, steel tanks, shell-tube and water pipe boilers and vessels, steel pipes	Of new and/or in service/ operation objects/ equipment/ products	Linear dimensions, diameters, roundness, deviations from geometric dimensions, linearity	Geometric dimension inspection RPK GDI-18-01	TS BDS EN 1251-2 BDS EN ISO 7866 BDS EN 14208 BDS EN 12493+A2 BDS EN 12972 BDS EN 12542 BDS EN 14893 BDS EN 12953-5 BDS EN 13121-3 BDS EN 13458-2 BDS EN ISO 3183 BDS EN 12952-5
	Steel tanks, gas cylinders and transportable gas cylinders, portable fire extinguishers up to 30 bar, Calibrated steel products		Linear dimensions, diameters, roundness, deviations from geometric dimensions, verticality, linearity		TS BDS EN 1442 BDS EN ISO 9809-1 BDS EN ISO 9809-2 BDS EN ISO 9809-3 BDS EN 14638-1 BDS EN 14638-3 BDS EN ISO 11118 ISO 11119-1 ISO 11119-2 ISO 11119-3 BDS EN ISO 11120 BDS EN ISO 11439 BDS EN 12257 BDS EN 12807 BDS EN 12862 BDS EN 14140 BDS EN 13322-1 BDS EN 13322-2 BDS EN 14015 BDS EN 3-8 BDS EN 10278 ISO 11513 API 650
	Metal industrial pipelines for steam, hot water, gases and petroleum products, transportable gas cylinders and cryogenic vessels.		Linear dimensions, diameters, roundness, deviations from geometric dimensions		TS BDS EN ISO 10462 BDS EN 13293 BDS EN 13530-2 BDS EN 14398-2+A2 ISO 21029-1 BDS EN 13480-4 BDS EN 13480-8 BDS EN ISO 13628-5

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
	Pressurized liquid, gas and powder product tanks, gas cylinders Cryogenic flexible hoses, unheated pressure vessels Disposable gas cartridges, valves and fittings for HGL tanks and transportable cylinders		Linear dimensions, diameters, deviations from geometrical dimensions		BDS EN 14161+A1 TS ISO 1496-3 BDS EN ISO 11117 BDS EN ISO 14245 BDS EN ISO 15995 BDS EN ISO 18119 BDS EN 12434 BDS EN 13445-5 BDS EN 417 BDS EN 13175 BDS EN ISO 10297
	Forgings		Linear and angle dimensions, diameters, deviations from geometrical dimensions, linearity		TS BDS EN 12420
11	Welded metallic joints and base metal of pressure vessels, pressure equipment и transportable pressure equipment Welded joints and base metal of oil pipelines and oil product pipelines; Welded joints and base metal of gas pipelines and their equipment of metallic gas transmission and distribution pipelines and of natural gas equipment, installations and appliances; Permanent joints of gas equipment и HGL installations Metal and reinforced concrete structures, and components therefor, industrial fittings and accessories, including elements, of heat and water supply systems , gas equipment and installations, lifting equipment, material handling equipment, pressure vessels, equipment and transportable pressure equipment Castings and forgings Products made of non-metallic and metallic materials and their alloys, and	Of new and/or in service/ operation objects/ equipment/ products	Hardness	Inspection to HV, HBW, HRA, HRB, HRC, Shore A, Shore D RPK HT-06-03 BDS EN ISO 868 BDS EN ISO 6506-1 BDS EN ISO 6507-1 BDS EN ISO 6508-1 BDS ISO 7619-1 BDS EN ISO 9015-1 BDS EN ISO 15156-2 ASTM A370 ASTM E10 ASTM E18 ASTM E92 ASTM E103 ASTM E110 ASTM E140 ASTM D785 ASTM D2240	TS BDS EN 1802 BDS EN 1968 BDS EN ISO 7866 BDS EN ISO 9809-1 BDS EN ISO 9809-2 BDS EN ISO 9809-3 ISO 11119-1 ISO 11119-2 ISO 11119-3 BDS EN ISO 11120 BDS EN ISO 11439 BDS EN 12732+A1 BDS EN 13322-2 BDS EN 13445-4 BDS EN 13445-5 BDS EN 13480-2 BDS EN 13480-5 BDS EN ISO 13628-5 BDS EN ISO 15156-2 BDS EN ISO 3183 ISO 11513 ASME BPVC IX ASME BPVC VIII Division 3 Stahlschlüssei

Item	Area of inspection	Type of inspection	Inspected parameter/feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
	permanent joints thereof Plastics and ebonite Vulcanizate				
12	Pressure vessels, equipment and transportable pressure equipment Oil pipelines and oil product pipelines Gas pipelines and their equipment of metallic gas transmission and distribution pipelines and of natural gas equipment, installations and appliances Gas equipment and HGL installations Metal and reinforced concrete structures, and components therefor, industrial fittings and accessories, including elements, of heat and water supply systems, gas equipment and installations, lifting equipment, material handling equipment, pressure vessels, pressure equipment and transportable pressure equipment	Of new and/or in service/operation objects/equipment/products	Pressure, location, dimensions, availability of crack, tearing or visible residual deformations, flaws	Hydrostatic/hydraulic inspection method using water or other inert liquid and/or measurement of volume expansion and / or water capacity RPK HI-19-01 RPK HI-19-02 ODSOTSPE, article 183; article 275; ODSOOOPP, Chapter 2, Section VIII ODSONGTDPEIA, chapter 7, annex No. 2, table 5, annex No.5 ODSOTSGELPGI , chapter 2, Section XII ODOTSAS, chapter 5 ADR – items 6.2.6.2; 6.7.2.19.3; 6.7.4.14.3, 6.8.3.4.12; 6.8.4 d RID – items 6.2.6.2, 6.7.2.19.3; 6.7.4.14.3; 6.8.3.4.12; 6.8.4 d BDS EN 3-8 BDS EN 286-1 BDS EN 286-2 BDS EN 286-3 BDS EN 286-4 BDS EN 417 BDS EN 1251-2 BDS EN 1440+A1 BDS EN 1442 ISO 1496-3 BDS EN 1594 BDS EN 1626 BDS EN 1775 BDS EN 1802 BDS EN 1803 BDS EN 1968 BDS EN ISO 4126-1 BDS EN ISO 18119 BDS EN ISO 7866 BDS EN ISO 9809-1 BDS EN ISO 9809-2 BDS EN ISO 9809-3 BDS EN ISO 3183 BDS EN 10242	ODSOTSPE, article 23; article 53; article 267; article 269; article 271; article 272; article 275 ODSOOOPP, article 58 ODSONGTDPEIA , chapter 7, article 218; article 230; Article 235; article 237 ODSOTSGELPGI, article 107 ODOTSAS, article 162; Article 163; article 198 ADR- items 6.2.1.5.1; 6.2.1.6.1; 6.2.3.4.1; 6.2.3.5.1; 6.2.6.2; 6.7.2.19.3; 6.7.2.19.4; 6.7.3.15.3; 6.7.3.15.4; 6.7.4.14.3; 6.7.4.14.4; 6.7.5.12.3; 6.8.3.4.3; 6.8.3.4.11; 6.8.3.4.12; 6.8.4 d RID –items 6.2.1.5.1; 6.2.1.6.1; 6.2.3.4.1; 6.2.3.5.1; 6.2.6.2; 6.7.2.19.3; 6.7.2.19.4; 6.7.3.15.3; 6.7.3.15.4; 6.7.4.14.3; 6.7.4.14.4; 6.7.5.12.3; 6.8.3.4.3; 6.8.3.4.11; 6.8.3.4.12; 6.8.4 d ADN- part 6 (ADR- items 6.2.1.5.1; 6.2.1.6.1; 6.2.3.4.1; 6.2.3.5.1; 6.2.6.2; ;6.7.2.19.3; 6.7.2.19.4; 6.7.3.15.3; 6.7.3.15.4; 6.7.4.14.3; 6.7.4.14.4; 6.7.5.12.3; 6.8.3.4.3; 6.8.3.4.11; 6.8.3.4.12; 6.8.4 d) TS BDS EN 3-8 BDS EN 286-1 BDS EN 286-2 BDS EN 286-3 BDS EN 286-4 BDS EN 417 BDS EN 1251-2 BDS EN 1440+A1 BDS EN 1442 ISO 1496-3 BDS EN 1594 BDS EN 1626 BDS EN 1775 BDS EN 1802 BDS EN 1803 BDS EN 1968 BDS EN ISO 4126-1 BDS EN ISO 18119 BDS EN ISO 7866 BDS EN ISO 9809-1 BDS EN ISO 9809-2 BDS EN ISO 9809-3 BDS EN ISO 3183 BDS EN 10242

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
				BDS EN 10275 BDS EN ISO 10297 ISO 11119-1 ISO 11119-2 ISO 11119-3 BDS EN ISO 11120 BDS EN ISO 11439 BDS EN ISO 11623 BDS EN 12007-1 BDS EN 12007-2 BDS EN 12007-3 BDS EN 12007-4 BDS EN 12007-5 BDS EN 12186 BDS EN ISO 11118 BDS EN 12245+A1 BDS EN 12252 BDS EN 12257 BDS EN 12263 BDS EN 12266-1 BDS EN 12266-2 BDS EN 12279+A1 BDS EN 12327 BDS EN 12434 BDS EN 12493+A2 BDS EN 12807 BDS EN 12817 BDS EN 12819 BDS EN 12862 BDS EN 12952-3 BDS EN 12952-6 BDS EN 12953-5 BDS EN 12972 BDS EN 13807 BDS EN 13110+A1 BDS EN 13121-3 BDS EN 13175 BDS EN 13293 BDS EN 13322-1 BDS EN 13322-2 BDS EN 13371 BDS EN 13445-5 BDS EN 13458-2 BDS EN 13480-5 BDS EN 13530-2 BDS EN ISO 13628-5 BDS EN 13648-1 BDS EN 13648-2 BDS EN 13807 BDS EN 13953 BDS EN 14015 BDS EN 14071 BDS EN 14129 BDS EN 14140 BDS EN 14197-2 BDS EN 14208 BDS EN ISO 14245 BDS EN 14382+A1 BDS EN 14398-2+A2 BDS EN 14427 BDS EN 14638-1 BDS EN 14638-3 BDS EN 14876 BDS EN 14893 BDS EN ISO 15995 BDS EN 16728+A1 BDS EN ISO 16812 ISO 21029-1 BDS EN 14161 + A1 ISO 14313	BDS EN 10275 BDS EN ISO 10297 ISO 11119-1 ISO 11119-2 ISO 11119-3 BDS EN ISO 11120 BDS EN ISO 11439 BDS EN ISO 11623 BDS EN 12007-1 BDS EN 12007-2 BDS EN 12007-3 BDS EN 12007-4 BDS EN 12007-5 BDS EN 12186 BDS EN ISO 11118 BDS EN 12245+A1 BDS EN 12252 BDS EN 12257 BDS EN 12263 BDS EN 12266-1 BDS EN 12266-2 BDS EN 12279+A1 BDS EN 12327 BDS EN 12434 BDS EN 12493+A2 BDS EN 12807 BDS EN 12817 BDS EN 12819 BDS EN 12862 BDS EN 12952-3 BDS EN 12952-6 BDS EN 12953-5 BDS EN 12972 BDS EN 13807 BDS EN 13110+A1 BDS EN 13121-3 BDS EN 13175 BDS EN 13293 BDS EN 13322-1 BDS EN 13322-2 BDS EN 13371 BDS EN 13445-5 BDS EN 13458-2 BDS EN 13480-5 BDS EN 13530-2 BDS EN ISO 13628-5 BDS EN 13648-1 BDS EN 13648-2 BDS EN 13807 BDS EN 13953 BDS EN 14015 BDS EN 14071 BDS EN 14129 BDS EN 14140 BDS EN 14197-2 BDS EN 14208 BDS EN ISO 14245 BDS EN 14382+A1 BDS EN 14398-2+A2 BDS EN 14427 BDS EN 14638-1 BDS EN 14638-3 BDS EN 14876 BDS EN 14893 BDS EN ISO 15995 BDS EN 16728+A1 BDS EN ISO 16812 ISO 21029-1 BDS EN 14161+A1 ISO 14313

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
				<p>BDS EN 15888 BDS EN ISO 3807 BDS EN ISO 10961 ISO 11513 BDS EN ISO 17879 ASME BPVC III Division 1 ASME BPVC IV ASME BPVC VIII Division 1 ASME BPVC VIII Division 2 ASME BPVC VIII Division 3 ASME BPVC XI ASME B31.1 ASME B 16.34 ASTM E1003</p>	<p>BDS EN 15888 BDS EN ISO 3807 BDS EN ISO 10961 ISO 11513 BDS EN ISO 17879 ASME BPVC III Division 1 ASME BPVC IV ASME BPVC VIII Division 1 ASME BPVC VIII Division 2 ASME BPVC VIII Division 3 ASME BPVC XI ASME B31.1 ASME B 16.34</p>
			Volume expansion	<p>BDS EN 1802 BDS EN 1968 BDS EN ISO 18119 BDS EN ISO 7866 BDS EN ISO 9809-1 BDS EN ISO 9809-2 BDS EN ISO 9809-3 ISO 11119-1 ISO 11119-2 ISO 11119-3 BDS EN ISO 11120 BDS EN ISO 11439 BDS EN ISO 11623 BDS EN 12807 BDS EN 12862 BDS EN 13322-1 BDS EN ISO 13628-5 BDS EN 14140 ISO 11513</p>	<p>BDS EN 1802 BDS EN 1968 BDS EN ISO 18119 BDS EN ISO 7866 BDS EN ISO 9809-1 BDS EN ISO 9809-2 BDS EN ISO 9809-3 ISO 11119-1 ISO 11119-2 ISO 11119-3 BDS EN ISO 11120 BDS EN ISO 11439 BDS EN ISO 11623 BDS EN 12807 BDS EN 12862 BDS EN 13322-1 BDS EN ISO 13628-5 BDS EN 14140 ISO 11513</p>
			Water capacity	<p>BDS EN ISO 7866 ISO 11119-1 ISO 11119-2 ISO 11119-3 BDS EN ISO 9809-1 BDS EN ISO 9809-3 BDS EN ISO 11120 BDS EN 12245+A1 BDS EN 12257 BDS EN 12972 BDS EN 12862 BDS EN 13293 BDS EN 14208 BDS EN 14427 BDS EN 14638-3</p>	<p>BDS EN ISO 7866 ISO 11119-1 ISO 11119-2 ISO 11119-3 BDS EN ISO 9809-1 BDS EN ISO 9809-3 BDS EN ISO 11120 BDS EN 12245+A1 BDS EN 12257 BDS EN 12972 BDS EN 12862 BDS EN 13293 BDS EN 14208 BDS EN 14427 BDS EN 14638-3</p>
13	<p>Pressure vessels, equipment and transportable pressure equipment Oil pipelines and oil product pipelines Gas pipelines and their equipment of metallic gas transmission and distribution pipelines and of natural gas equipment, installations and appliances</p>	Of new and/or in service/ operation objects/ equipment/ products	Pressure, location, dimensions, availability of crack, tearing or visible residual deformations, flaws	<p>Pneumatic inspection method RPK PNI-19-03 RPK PNI-19-04 ODSOTSPE , article183; article 184; article 275 ODSOOPP , chapter 2, section VIII ODSONGTDPEIA, chapter 7, annex No. 2, table 5, annex No.5 ODSOTSGELPGI, chapter 2, section XII</p>	<p>ODSOTSPE, article 275 ODSOOPP, article 58 ODSONGTDPEIA, chapter 7, article 218; article230; article235; article237 ODSOTSGELPGI, article107 ADR- items 6.2.1.5.1; 6.2.1.6.1; 6.2.3.5.1; 6.7.3.15.3; 6.7.4.6; 6.7.4.14.3; 6.7.5.12.3; 6.8.3.4.12 RID – items 6.2.1.5.1; 6.2.1.6.1; 6.2.3.5.1;</p>

item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
	Gas equipment and HGL installations; Metal and reinforced concrete structures, and components therefor, industrial fittings and accessories, including elements, of heat and water supply systems, gas equipment and installations, lifting equipment, material handling equipment , pressure vessels, pressure equipment and transportable pressure equipment			<p>ADR- items 6.7.3.14.3; 6.7.5.12.3; 6.8.3.4.12 RID - items 6.7.3.14.3; 6.7.5.12.3; 6.8.3.4.12</p> <p>BDS EN ISO 9809-1 BDS EN 286-1 BDS EN 286-2 BDS EN 286-3 BDS EN 286-4 BDS EN 1251-2 BDS EN 1440+A1 BDS EN 1442 BDS EN 1594 BDS EN 1626 BDS EN 1775 BDS EN 1802 BDS EN 1803 BDS EN 1968 BDS EN ISO 4126-1 BDS EN ISO 18119 BDS EN ISO 11118 BDS EN ISO 11623 BDS EN 12007-1 BDS EN 12007-2 BDS EN 12007-3 BDS EN 12007-4 BDS EN 12007-5 BDS EN 12186 BDS EN 12245+A1 BDS EN 12266-1 BDS EN 12266-2 BDS EN 12327 BDS EN 12434 BDS EN 12972 BDS EN 13110+A1 BDS EN 13121-3 BDS EN 13175 BDS EN 13322-1 BDS EN 13322-2 BDS EN 13371 BDS EN 13445-5 BDS EN 13480-5 BDS EN 13648-1 BDS EN 13648-2 BDS EN 13807 BDS EN 13953 BDS EN 14015 BDS EN 14140 BDS EN 14197-2 BDS EN 14208 BDS EN 14398-2+A2 BDS EN 14427 BDS EN 14638-1 BDS EN 14638-3 BDS EN 14876 ISO 21029-1 ISO 14313 BDS EN 15888 BDS EN 16728+A1 BDS EN ISO 17871</p> <p>ASME BPVC III Division 1 ASME BPVC V-Article 10 ASME B31.3</p>	<p>6.7.3.15.3; 6.7.4.6 ; 6.7.4.14.3; 6.7.5.12.3; 6.8.3.4.12 ADN- part 6 (ADR- items 6.2.1.5.1; 6.2.1.6.1; 6.2.3.5.1; 6.7.3.15.3; 6.7.4.6; 6.7.4.14.3; 6.7.5.12.3; 6.8.3.4.12) TS BDS EN ISO 9809-1 BDS EN 286-1 BDS EN 286-2 BDS EN 286-3 BDS EN 286-4 BDS EN 1251-2 BDS EN 1440+A1 BDS EN 1442 BDS EN 1594 BDS EN 1626 BDS EN 1775 BDS EN 1802 BDS EN 1803 BDS EN 1968 BDS EN ISO 4126-1 BDS EN ISO 18119 BDS EN ISO 11118 BDS EN ISO 11623 BDS EN 12007-1 BDS EN 12007-2 BDS EN 12007-3 BDS EN 12007-4 BDS EN 12007-5 BDS EN 12186 BDS EN 12245+A1 BDS EN 12266-1 BDS EN 12266-2 BDS EN 12327 BDS EN 12434 BDS EN 12972 BDS EN 13110+A1 BDS EN 13121-3 BDS EN 13175 BDS EN 13322-1 BDS EN 13322 2 BDS EN 13371 BDS EN 13445 5 BDS EN 13480-5 BDS EN 13648-1 BDS EN 13648-2 BDS EN 13807 BDS EN 13953 BDS EN 14015 BDS EN 14140 BDS EN 14197-2 BDS EN 14208 BDS EN 14398-2+A2 BDS EN 14427 BDS EN 14638-1 BDS EN 14638-3 BDS EN 14876 ISO 21029-1 ISO 14313 BDS EN 15888 BDS EN 16728+A1 BDS EN ISO 17871</p> <p>ASME BPVC III Division 1 ASME BPVC VIII</p>

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
					Division 1 ASME BPVC VIII Division 2 ASME B31.3 API 650
14	Pressure vessels, equipment and transportable pressure equipment Oil pipelines and oil product pipelines Gas pipelines and their equipment of metallic gas transmission and distribution pipelines and of natural gas equipment, installations and appliances Gas equipment and HGL installations; Metal and reinforced concrete structures, and components therefor, industrial fittings and accessories, including elements, of heat and water supply systems, gas equipment and installations, lifting equipment, material handling equipment , pressure vessels, pressure equipment and transportable pressure equipment	Of new and/or in service/ operation objects/ equipment/ products	Pressure of rupture, type of rupture (fracture), dimensions and location of cracks, form of edges, volume expansion, pressure/ time graph	Hydrostatic/hydraulic inspection method until rupture RPK HDI-19-07 BDS EN 3-8 BDS EN 286-1 BDS EN 286-2 BDS EN 1442 BDS EN ISO 4126-2 BDS EN ISO 7866 BDS EN ISO 9809-1 BDS EN ISO 9809-2 BDS EN ISO 9809-3 BDS EN ISO 11118 ISO 11119-1 ISO 11119-2 ISO 11119-3 BDS EN ISO 11439 BDS EN 12245+A1 BDS EN 12257 BDS EN 12263 BDS EN 12434 BDS EN 12807 BDS EN 12862 BDS EN 13110+A1 BDS EN 13293 BDS EN 13322-1 BDS EN 13322-2 BDS EN ISO 13628-5 BDS EN 13648-2 BDS EN 13807 BDS EN 14140 BDS EN 14208 BDS EN 14427 BDS EN 14638-1 BDS EN 14638-3 BDS EN 14893 ISO 11513	TS BDS EN 3-8 BDS EN 286-1 BDS EN 286-2 BDS EN 1442 BDS EN ISO 4126-2 BDS EN ISO 7866 BDS EN ISO 9809-1 BDS EN ISO 9809-2 BDS EN ISO 9809-3 BDS EN ISO 11118 ISO 11119-1 ISO 11119-2 ISO 11119-3 BDS EN ISO 11439 BDS EN 12245+A1 BDS EN 12257 BDS EN 12263 BDS EN 12434 BDS EN 12807 BDS EN 12862 BDS EN 13110+A1 BDS EN 13293 BDS EN 13322-1 BDS EN 13322-2 BDS EN ISO 13628-5 BDS EN 13648-2 BDS EN 13807 BDS EN 14140 BDS EN 14208 BDS EN 14427 BDS EN 14638-1 BDS EN 14638-3 BDS EN 14893 ISO 11513
15	Pressure vessels, equipment and transportable pressure equipment Oil pipelines and oil product pipelines Gas pipelines and their equipment of metallic gas transmission and distribution pipelines and of natural gas equipment, installations and appliances Gas equipment and HGL installations; Metal and reinforced concrete structures, and components therefor, industrial fittings and accessories, including elements, of heat and water supply systems	Of new and/or in service/ operation objects/ equipment/ product	Degree of tightness, presence and location of through discontinuities leaks	Leak tightness Inspection RPK LT-19-05 RPK LT-19-06 ODSOOPP, art. 59 to art. 61 ODSONGTDPEIA , article216 e; article 217; article 223; article224; article225; article 227; article231; article232; article234; article236; article237; article239; article240; article241; article242; article243 ODSOTSGELPGI, article5; article106; article108; article109; article111; article112 ODOTSAS, article160; article163; article164; article198 ADR- items 6.8.3.4.9; 6.8.3.4.11; 6.8.3.4.13 RID – items 6.8.3.4.9; 6.8.3.4.11; 6.8.3.4.13	ODSOOPP, art. 59 to art.61 ODSONGTDPEIA, article172; article 217; article224; article226; article230; article231; article232; article234; article237; article239; article240; article242; article243; article359; article363; article365; article366; article368; annex No.5 ODSOTSGELPGI, article5; article106; article108; article109; article111; article112 ODOTSAS; article160; article163; article164; article198 ADR- items 6.2.1.5.2; 6.7.2.19.3; 6.7.2.19.4; 6.7.2.19.5; 6.7.3.15.3; 6.7.3.15.4; 6.7.4.14.3; 6.7.4.14.4, 6.7.5.12.3;

item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
	gas equipment and installations, lifting equipment, material handling equipment, pressure vessels and equipment and transportable pressure equipment			BDS EN 1593 BDS EN 334+A1 BDS EN 417 BDS EN 1251-2 BDS EN ISO 21029-2 BDS EN 1440+A1 BDS EN 1626 BDS EN 1775 BDS EN ISO 4126-1 BDS EN ISO 4126-2 BDS EN ISO 7866 BDS EN ISO 9809-1 BDS EN ISO 9809-2 BDS EN ISO 9809-3 BDS EN ISO 10297 BDS EN ISO 10462 BDS EN ISO 11118 ISO 11119-3 BDS EN ISO 11439 BDS EN 12007-1 BDS EN 12007-2 BDS EN 12007-3 BDS EN 12007-4 BDS EN 12007-5 BDS EN 12186 BDS EN 12245+A1 BDS EN 12252 BDS EN 12263 BDS EN 12266-1 BDS EN 12266-2 BDS EN 12279+A1 BDS EN 12327 BDS EN 12434 BDS EN 12972 BDS EN 13121-3 BDS EN 13175 BDS EN 13184 BDS EN 13293 BDS EN 13317 BDS EN 13322-1 BDS EN 13322-2 BDS EN 13371 BDS EN 13445-5 BDS EN 13530-2 BDS EN ISO 13628-5 BDS EN 13648-2 BDS EN 13807	6.7.5.12.4; 6.8.3.4.6; 6.8.3.4.7; 6.8.3.4.9; 6.8.3.4.11; 6.8.3.4.13; 6.8.4 d RID- items 6.2.1.5.2; 6.7.2.19.3; 6.7.2.19.4; 6.7.2.19.5; 6.7.3.15.3; 6.7.3.15.4; 6.7.4.14.3; 6.7.4.14.4, 6.7.5.12.3; 6.7.5.12.4; 6.8.3.4.6 ; 6.8.3.4.7; 6.8.3.4.9; 6.8.3.4.11; 6.8.3.4.13; 6.8.4 d ADN - part 6 (ADR- items 6.2.1.5.2; 6.7.2.19.3; 6.7.2.19.4; 6.7.2.19.5; 6.7.3.15.3; 6.7.3.15.4; 6.7.4.14.3; 6.7.4.14.4, 6.7.5.12.3; 6.7.5.12.4; 6.8.3.4.6 ; 6.8.3.4.7; 6.8.3.4.9; 6.8.3.4.11; 6.8.3.4.13; 6.8.4 d) TS BDS EN 334+A1 BDS EN 417 BDS EN 1251-2 BDS EN ISO 21029-2 BDS EN 1440+A1 BDS EN 1626 BDS EN 1775 BDS EN ISO 4126-1 BDS EN ISO 4126-2 BDS EN ISO 7866 BDS EN ISO 9809-1 BDS EN ISO 9809-2 BDS EN ISO 9809-3 BDS EN ISO 10297 BDS EN ISO 10462 BDS EN ISO 11118 BDS 11119-3 BDS EN ISO 11439 BDS EN 12007-1 BDS EN 12007-2 BDS EN 12007-3 BDS EN 12007-4 BDS EN 12007-5 BDS EN 12186 BDS EN 12245+A1 BDS EN 12252 BDS EN 12263 BDS EN 12266-1 BDS EN 12266-2 BDS EN 12279+A1 BDS EN 12327 BDS EN 12434 BDS EN 12972 BDS EN 13121-3 BDS EN 13175 BDS EN 13184 BDS EN 13293 BDS EN 13317 BDS EN 13322-1 BDS EN 13322-2 BDS EN 13371 BDS EN 13445-5 BDS EN 13530-2 BDS EN ISO 13628-5 BDS EN 13648-2 BDS EN 13807

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
				BDS EN 13953 BDS EN 14015 BDS EN 14071 BDS EN 14129 BDS EN 14197-2 BDS EN 14208 BDS EN ISO 14245 BDS EN 14382+A1 BDS EN 14427 BDS EN 14398-2+A2 BDS EN 14595 BDS EN 14638-1 BDS EN 14638-3 BDS EN 14876 BDS EN 14893 BDS EN 14912 BDS EN ISO 15995 BDS EN 16728+A1 BDS EN ISO 16812 BDS EN ISO 17871 ISO 21029-1 BDS EN 14161+A1 BDS EN ISO 10961 ISO 11513 ASTM E515 ASTM E1002 ASME BPVC III Division 2 ASME BPVC V-Article 10 API 650 ASME B31.1 ASME B31.3	BDS EN 13953 BDS EN 14015 BDS EN 14071 BDS EN 14129 BDS EN 14197-2 BDS EN 14208 BDS EN ISO 14245 BDS EN 14382+A1 BDS EN 14427 BDS EN 14398-2+A2 BDS EN 14595 BDS EN 14638-1 BDS EN 14638-3 BDS EN 14876 BDS EN 14893 BDS EN 14912 BDS EN ISO 15995 BDS EN 16728+A1 BDS EN ISO 16812 BDS EN ISO 17871 ISO 21029-1 BDS EN 14161+A1 BDS EN ISO 10961 ISO 11513 ASME BPVC III Division 1 ASME BPVC III Division 2 ASME BPVC VIII Division 2 ASME B31.1 ASME B31.3 API 650
16	Dielectric coatings and insulations	Of new and/or in service/ operation objects/ equipment/ products	Defects in density and integrity of dielectric coatings - type, number, dimensions and location, flashover voltage of insulation	Inspection of insulating coating by electric spark method RPK SPI-20-01 RPK SPI-20-02 BDS 15705 BDS EN ISO 29601 ASTM G62 ASTM D149 ASTM D4787 ASTM D5162 Inspection method - cyclic pressure	ODSONGTDPEIA, article21; article 22; article23; article98; article131; article132; article216 ODSOOOPP, article 18; article19; article32 Ordinance No. 6, article57 and article58 TS BDS EN 12972 BDS 15705 BDS EN 14161+A1 TS BDS EN 1442 BDS EN ISO 7866 BDS EN ISO 9809-1 BDS EN ISO 9809-2 BDS EN ISO 9809-3 ISO 11119-1 ISO 11119-2 ISO 11119-3 BDS EN ISO 11439 BDS EN ISO 11623 BDS EN 12245+A1 BDS EN 12257 BDS EN 12807 BDS EN 12862 BDS EN 13110+A1 BDS EN 13293 BDS EN 13322-1 BDS EN 13322-2 BDS EN 13953
17	Steel pressure tanks for HGL, Gas cylinders, Transportable gas cylinders	Of new and/or in service/ operation objects/ equipment/ products	Pressure, number and frequency of cycles, leaks	RPK CLI-21-01 BDS EN 1442 BDS EN ISO 7866 BDS EN ISO 9809-1 BDS EN ISO 9809-2 BDS EN ISO 9809-3 ISO 11119-1 ISO 11119-2 ISO 11119-3 BDS EN ISO 11439 BDS EN ISO 11623 BDS EN 12245+A1 BDS EN 12257 BDS EN 12807 BDS EN 12862 BDS EN 13110+A1 BDS EN 13293 BDS EN 13322-1 BDS EN 13322-2 BDS EN 13953	BDS EN 1442 BDS EN ISO 7866 BDS EN ISO 9809-1 BDS EN ISO 9809-2 BDS EN ISO 9809-3 ISO 11119-1 ISO 11119-2 ISO 11119-3 BDS EN ISO 11439 BDS EN ISO 11623 BDS EN 12245+A1 BDS EN 12257 BDS EN 12807 BDS EN 12862 BDS EN 13110+A1 BDS EN 13293 BDS EN 13322-1 BDS EN 13322-2 BDS EN 13953

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
				BDS EN 14140 BDS EN 14208 BDS EN 14427 BDS EN 14638-1 BDS EN 14638-3 BDS EN 14893 BDS EN ISO 17879 BDS EN ISO 17871 ISO 21029-1 ISO 11513	BDS EN 14140 BDS EN 14208 BDS EN 14427 BDS EN 14638-1 BDS EN 14638-3 BDS EN 14893 BDS EN ISO 17879 BDS EN ISO 17871 ISO 21029-1 ISO 11513
	Cryogenic vessel fittings and hoses, underwater protective connecting pipe of an underwater oil extraction system Valves for gas cylinders, tanks and cryogenic equipment Safety switching devices for limiting the pressure in refrigeration systems and heat pumps		Pressure, number and frequency of cycles, leaks	Inspection method - cyclic pressure RPK CLI-21-01 BDS EN 13371 BDS EN ISO 13628-5 BDS EN 12434	TS BDS EN 13371 BDS EN ISO 13628-5 BDS EN 12434
			Pressure, number and frequency of cycles, torque, leaks	Inspection method - cyclic pressure reading the number of opening and closing cycles while applying high pressure RPK CLI-21-01 BDS EN 1626 BDS EN 13175 BDS EN ISO 14245 BDS EN ISO 15995 BDS EN 12263	TS BDS EN 1626 BDS EN 13175 BDS EN ISO 14245 BDS EN ISO 15995 BDS EN 12263
18	Ultrasonic flaw detectors - conventional and phased array	Of units in service	Identification marking, external type, stability after warm-up time, flickering of the display, resistance to changes in supply voltage, transmitter voltage, rise time, reverberation and duration, frequency response of the amplifier, equivalent input noise, accuracy of the calibrated attenuator, vertical linearity of the display, linearity of the time base Identification	Inspection of ultrasonic flaw detectors RPK UTD-22-01 BDS EN 12668-1 BDS EN ISO 18563-1	Technical specification BDS EN 12668-1 BDS EN ISO 18563-1

item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
			marking, external type, transmitter voltage, rise time and duration, linearity of transmitter delay times, frequency response from the receiver, difference in channel gain levels, equivalent input noise, gain linearity, linearity of vertical display, linearity of the delay time of the receiver		
19	Ultrasonic thickness meters	Of units in service	Identification, marking, external type, low battery warning, operating voltage range, operating current range, pulse repetition rate, PRF, shape, transmitter pulse rise time and pick voltage, minimum and maximum measurable thicknesses, accuracy and resolution, calibration setting storage, display and data retrieval	Inspection of ultrasonic thickness meters RPK UTT-22-02 BDS EN 15317	Technical specification BDS EN 15317- item 9.4; 9.7; 9.9
20	Magnetic flaw detectors	Of units in service	Identification, marking, external appearance, magnetic field tangential intensity, sensitivity to artificial defects, lifting force, electrical supply	Inspection of magnetic flaw detectors RPK MTD-23-01 BDS EN ISO 9934-1 BDS EN ISO 9934-3 BDS EN 60529+A1- item12 BDS EN 61010-1 (item6.5; item6.8)	Technical specification BDS EN ISO 9934-3 BDS EN 61010-1 (item5; item6.5; item6.8) BDS EN 60529+A1- item12

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
			(voltage, current, frequency), load cycle at maximum power, current shape, insulation resistance, zeroing resistance, electrical protection level (IP), temperature of the casing, dimensions, mass		
21	Industrial X-ray film viewers	Of units in service	Identification, marking, external appearance, screen brightness, uniformity of brightness, glare protection, casing and screen temperature, insulation resistance, zeroing resistance, electrical power	Inspection of industrial X-ray film viewers RPK IRI-24-01 BDS EN 25580 BDS EN 61010-1 (item6.5; item6.8)	Technical specification BDS EN 25580 BDS EN 61010-1 (item5; item6.5; item6.8)
22	Alternating current, direct current, pulse industrial X-ray machines	Of units in service	external appearance , identification, durability of marking, voltage stability, dimensions of focal spot, equivalent dose rate, transmitted through protected housing, zeroing resistance, insulation resistance	Inspection of alternating current, direct current, pulse industrial X-ray machines RPK XRA-25-01 BDS EN 12543-2 BDS EN 12544-2 BDS EN 61010-1 (item6.5; item6.8)	Technical specification BDS EN 61010-1 (item5; item6.5; item6.8) BDS EN 12543-2 BDS EN 12544-2
23	Industrial ultraviolet (UV) sources	Of units in service	external appearance , identification, marking, intensity of UV radiation, insulation resistance, zeroing resistance	Inspection of industrial ultraviolet (UV) sources RPK UVS-27-01 BDS EN ISO 3059- item6.2 BDS EN 61010-1 (item6.5; item6.8)	Technical specification BDS EN 61010-1 (item5; item6.5; item6.8) BDS EN ISO 3059- item6.2 and item6.3
24	Flaw detectors for insulating coatings	Of units in service	Identification, _external appearance, low battery warning, operating voltage range, output voltage, marking, insulation resistance,	Inspection of flaw detectors for insulating coatings RPK HD-28-01 BDS EN 61010-1 (item6.5; item6.8)	Technical specification BDS EN 61010-1 (item5; item6.5; item6.8)

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
			zeroing resistance		
25	Crack depth measurement instruments	Of units in service	Identification, external appearance , resistance to changes in supply voltage, measurable depth of cracks, linearity, accuracy, repeatability , marking, low battery warning , insulation resistance, zeroing resistance	Inspection of Crack depth measurement instruments RPK DCA-29-01/2018 BDS EN 61010-1 (item6.5; item6.8)	Technical specification BDS EN 61010-1 (item5; item6.5; item6.8)
26	Eddy current flaw detectors	Of units in service	Identification, marking, external appearance, low battery warning, operating voltage range, operating current, excitation frequency, maximum output voltage, maximum output current, maximum allowable input voltage, insulation resistance, zeroing resistance	Inspection of eddy current flaw detectors RPK ECD-30-01 BDS EN ISO 15548-1 BDS EN 61010-1 (item6.5; item6.8)	Technical specification BDS EN 61010-1 (item5; item6.5; item6.8)
27	Instruments for determining coating thickness	Of units in service	Identification, external appearance , low battery warning, operating voltage range, operating current, measurable thickness, linearity, accuracy, repeatability, insulation resistance, zeroing resistance	Inspection of instruments for determining coating thickness RPK TCA-31-01 BDS EN ISO 2178 (item6 и item 7) BDS EN 61010-1 (item6.5; item6.8)	Technical specification BDS EN 61010-1 (item5; item6.5; item6.8) BDS EN ISO 2178 (item9.2 и item9.3)
28.1	Ferromagnetic and non-ferromagnetic metals, products and joints thereof	Of new and/or in service/ operation objects/ equipment/ products	Type, location and size of surface and subsurface /breaking the surface discontinuities/ imperfections	Eddy current inspection RPK ET-37-01 BDS EN ISO 15549 BDS EN ISO 17643 BDS ISO 20669 ASME BPVC V, Article 8	Technical specification BDS EN 1090-1+A1 BDS EN 1090-2 BDS EN 1090-3 BDS EN ISO 3183 BDS EN 12972 BDS EN ISO 17635

Item	Area of inspection	Type of inspection	Inspected parameter/ feature	Test/measurement methods, used in inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
28.2			Thickness of coating - Thickness of non-conducting coatings or non-magnetic and metallic coatings on metallic and non-metallic base - Thickness of non-magnetic coatings on magnetic base	Eddy current inspection RPK CTM-38-01 BDS EN ISO 2360 BDS EN ISO 21968 Magnetic inspection RPK CTM-38-01 BDS EN ISO 2178 BDS EN ISO 2361 ASTM E426 BDS 15600	Technical specification
29	Products, made of metallic materials and their alloys, and permanent joints thereof	Of new and in service / operation equipment/ products	Sorting and material type of metallic products	Eddy current inspection RPK ET-37-01 BDS EN ISO 15549	Technical specification BDS 15406 BDS 16097
30	Products, made of metallic materials and their alloys, and permanent joints thereof	Of new and/or in service/ operation objects/ equipment/ products	Degree of corrosion (pitting) -distribution; -location; -density; -size; -depth; -pitting factor	Inspection for corrosion (pitting) RPK CI-39-01 BDS EN ISO 11463	BDS EN ISO 11463 TS

ODSOTSPE - Ordinance adopted by CM Decree No.164 „Ordinance on design, safe operation and technical supervision of pressure equipment" (State Gazette No.64 dated 18.07.2008);

ODSOOOPP - "Ordinance on design and safe operation of oil and oil product pipelines" (State Gazette No.104 dated 26.11.2004);

ODSOTSGELPGI - Ordinance adopted by CM Decree No.243 „Ordinance on design, safe operation and technical supervision of gas equipment and LPG installations" (State Gazette No.82 dated 21.09.2004);

ODSONGTDPEIA - Ordinance adopted by CM Decree No.171 „Ordinance on design and safe operation of natural gas transmitting and distributing pipelines and equipment, installations and appliances" (State Gazette No.67 dated 02.08.2004);

ODOTSAS - Ordinance on design, operation and technical supervision of acetylene systems (State Gazette No.66 dated 27.07.2001);

Ordinance No.6 - Ordinance on technical rules and regulations for the design, construction and use of facilities and equipment for the transmission, storage, distribution and supply of natural gas (State Gazette No.107/2004);

Stahlschlüssel - Key to Steel, Publisher: Verlag Stahlschlüssel, Wegst GmbH

ADR - European Agreement on the International Carriage of Dangerous Goods by Road;

RID - Rules for the International Carriage of Dangerous Goods by Rail;

ADN - European Agreement for the International Carriage of Dangerous Goods by Inland Waterway;

TC - Technical specification.

I hereby ORDER

To issue Accreditation Certificate Reg. No. 267 OKA dated 08.10.2019 with validity until 30.09.2023 with this order being integral part of it.

The Accreditation Certificate together with attachment shall be received by the Manager of "MULTITEST" LTD, Varna, the Head of Inspection Body of Type A of „MULTITEST" LTD, Varna or by another authorized person in the building of EA BAS.

Upon receipt of the certificate and attachment issued the accredited entity is bound to return the originals of Accreditation Certificate reg. No.267 OKA/ 30.09.2019 valid until 30.09.2023 and attachment - order of EA BAS No. A 426/ 30.09.2019 to EA BAS.

This order shall be communicated to „MULTITEST" LTD, Varna within 3 (three) days from its issue.

Eng. Irena Borislavova

Executive Director of EA BAS

\round stamp and handwritten signature\