REPUBLIC OF BULGARIA
Executive Agency
Bulgarian Accreditation Service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ 476
Sofia, 08.11.2023

Pursuant to Art. 10, para. 1, item 2a of the Law on National Accreditation of Conformity Assessment Bodies and item 5.3.1 in relation to item 4.3.8 f) of Accreditation procedure BAS QR 2, Report BAS QF 2.9.5.5 (change of conditions) incoming inc. № 289/267 ОКА/12/В /07.11.2023 and Order No A 475/ 08.11.2023

I AMEND
of EA BAS ORDER № 417/29.09.2023

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 inspection, according to following:

To perform inspection of:

Scope: flexible for part of scope *					
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
1.1	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	Of new and/or in service/ operation objects/ equipment/ products	Type, size and location of discontinuities/ imperfections	Radiographic inspection РПК RT-01-03 РПК RT-01-04 БДС EN 12681-1 БДС EN 12681-2 БДС EN 12799 БДС EN 12799/A1 БДС EN 13100-2 БДС EN 14163 БДС EN 14163/AC БДС EN ISO 5579 БДС EN ISO 10893-6 БДС EN ISO 10893-7 БДС EN ISO 16371-2 БДС EN ISO 17636-1 БДС EN ISO 17636-2 ISO 4993 ISO 13847 ГОСТ Р 50.05.07	НУБЕТНСН, art. 19; art.21 НУБЕНН, art. 7; art. 25; art.26 НУБЕПРГСИУПГ, art.6; art.9; art.127; art.216 b, zh НУБЕТНГСИВВГ, art.105 НУЕТНАУ, art.157 ИЕРМРСН, ДА „ДР и ВВЗ" – att. 1 ИПЕР на СВЦР up to 10000 cubic meters/, NEK– II chapter ПЕРМРСНПБ– -1-Item. 6 ПИПМТ, МССУ ИКМ в ТЕЦ, NEK НЕРМР, „LNB"/НК1-03-502-6.3-03 ИПЕРБРСТТ„LNB"/ИК 1-02-016-6.3 СС за СВЦР with a volume of up to 10000

гр. София 1797, бул. "Г.М.Димитров" №52 А, ет.7
Тел: +359 9766 401; Факс: (+3592) 9766 415
e-mail: office@nab-bas.bg

I ORDER

To issue the Certificate of Accreditation reg. № 267 OKA of 8.11.2023. valid until 29.09.2027 and this order enclosed as an integral part thereof.

The certificate of accreditation with the enclosure should be obtained from manager / representative of the legal entity / sole trader, the head of the CAB or other authorized person in the building of EA BAS.

Upon receipt of the certificate issued and enclosure, the accredited CAB is obliged to return to EA BAS the originals of Certificate of Accreditation reg. № 267 OKA/ 29.09.2023 valid until 29.09.2027 and the enclosure Order for Accreditation № A 417/29.09.2023 of EA BAS.
This Order shall be notified to legal entity / sole within 3 (three) days from its issuance.



Eng. Irena Borislavova
Executive Director of EA BAS

BAS QF 2.11

ORDER

№ 476
Sofia, 08.11.2023

Pursuant to Art. 10, para. 1, item 2a of the Law on National Accreditation of Conformity Assessment Bodies and item 5.3.1 in relation to item 4.3.8 f) of Accreditation procedure BAS QR 2, Report BAS QF 2.9.5.5 (change of conditions) incoming inc. № 289/267 ОКА/12/В /07.11.2023 and Order No A 475/ 08.11.2023

I AMEND
of EA BAS ORDER № 417/29.09.2023

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 inspection, according to following:

To perform inspection of:

Scope: flexible for part of scope *					
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
1.1	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;	Of new and/or in service/ operation objects/ equipment/ products	Type, size and location of discontinuities/ imperfections	Radiographic inspection РПК RT-01-03 РПК RT-01-04 БДС EN 12681-1 БДС EN 12681-2 БДС EN 12799 БДС EN 12799/A1 БДС EN 13100-2 БДС EN 14163 БДС EN 14163/AC БДС EN ISO 5579 БДС EN ISO 10893-6 БДС EN ISO 10893-7 БДС EN ISO 16371-2 БДС EN ISO 17636-1 БДС EN ISO 17636-2 ISO 4993 ISO 13847	НУБЕТНСН, art. 19; art.21 НУБЕНН, art. 7; art. 25; art.26 НУБЕПРГСИУПГ, art.6; art.9; art.127; art.216 b, zh НУБЕТНГСИВВГ, art.105 НУЕТНАУ, art.157 ИЕРМРСН, ДА „ДР и ВВЗ" – att. 1 ИПЕР на СВЦР up to 10000 cubic meters/, NEK– II chapter ПЕРМРСНПБ– -1-Item. 6 ПИПМТ, МССУ ИКМ в ТЕЦ, NEK НЕРМР, „LNB"/НК1-03-502-6.3-03 ИПЕРБРСТТ„LNB"/ИК 1-02-016-6.3

Scope: flexible for part of scope *					
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 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 equipment, pressure vessels, transporTable pressure equipment; Castings and forgings Products made of non-metallic and metallic materials and their alloys, and permanent joints thereof			ГОСТ Р 50.05.07 ASTM E94/E94M ASTM E1030/E1030M ASTM E1032 ASTM E1742/E1742M ASTM E2104 ASME BPVC V Article 2 ASME BPVC XI Division 1 ASME B 16.34 ASME B 31.3 AWS D1.1/D1.1M API 650 API 1104 DNVGL-ST-F101	СС за СВЦР with a volume of up to 10000 cubic meters., KTSU-CM ИИМ на СВЦР up to 10000 cubic meters, NEK ПИПСМР, Part „Buildings", Section „Inspection without destruction of metal and welded joints", art. 7, art. 30, art. 38, art. 44, art. 51; РД 153-34.1-003-01 (РТМ-1с), chapter 18.5 and Table 18.6, 18.7, 18.8 and 18.9 НП-084-15 НП-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; Item 6.9.5 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; Item 6.9.5 ADN- част 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; Item 6.9.5 ТС БДС 13060 БДС EN 286-1 БДС EN 286-2 БДС EN 286-3 БДС EN 286-4 БДС EN 448 БДС EN 489-1 БДС EN 1090-1+A1 БДС EN 1090-2 БДС EN 1090-3 БДС EN 1251-2 БДС EN 1442 БДС EN 10213+A1 БДС EN 10217-1 БДС EN 10217-5 БДС EN 10217-6 БДС EN 10217-7 БДС EN 12493 БДС EN 12542 БДС EN 12681-1 БДС EN 12681-2 БДС EN 12732 БДС EN 12799 БДС EN 12799/A1 БДС EN 12862 БДС EN 12952-6 БДС EN 12953-5 БДС EN 12972 БДС EN 13110 БДС EN 13322-1 БДС EN 13322-2 БДС EN 13445-5 БДС EN 13445-6 БДС EN 13445-8 БДС EN 13458-2 БДС EN 13480-5 БДС EN 13480-5/A1

Scope: flexible for part of scope *					
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
					БДС EN 13480-5/A2 БДС EN 13530-2 БДС EN 14015 БДС EN 14025 БДС EN 14140 БДС EN 14163 БДС EN 14163/AC БДС EN 14197-2 БДС EN 14208 БДС EN 14398-2+A2 БДС EN 14638-1 БДС EN 14638-3 БДС EN 14728 БДС EN 14893 БДС EN 16296 БДС EN ISO 3183 БДС EN ISO 5817 БДС EN ISO 6520-1 БДС EN ISO 6520-2 БДС EN ISO 9606-1 БДС EN ISO 10042 БДС EN ISO 10675-1 БДС EN ISO 10675-2 БДС EN ISO 10893-6 БДС EN ISO 10893-7 БДС EN ISO 10961 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 13628-5 БДС EN ISO 13919-2 БДС EN ISO 15614-1/A1 БДС EN ISO 15614-2 БДС EN ISO 15614-4 БДС EN ISO 15614-5 БДС EN ISO 15614-6 БДС EN ISO 15614-8 БДС EN ISO 15614-11 БДС EN ISO 17635 БДС EN ISO 18279 БДС EN ISO 23088 (БДС EN 14876) ISO 11513 ISO 13847 ISO 21029-1 ISO 21029-1/Amd 1 ASTM E186 ASTM E280 ASTM E310 ASTM E446 ASTM E2422 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 Division 1 ASME B 16.34 ASME B 31.1

Scope: flexible for part of scope *					
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 B 31.3 AWS D1.1/D1.1M API 1104 DNVGL-ST-F101
1.2	Products, made of metallic materials and their alloys	Of new and/or in service/ operation objects/ equipment/ products	Thickness	Radiographic inspection РПК RT-01-03 БДС EN ISO 20769-1 БДС EN ISO 20769-2	ТС
2.1	Welded metallic joints of pressure vessels, pressure equipment and transporTable pressure equipment; 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 equipment, pressure vessels, transporTable pressure equipment; Castings and forgings Products made of non-metallic and metallic materials and their alloys, and permanent joints thereof. Pipelines, pipes and pipe products	Of new and/or in service/ operation objects/ equipment/ products	Type, size and location of discontinuities/ imperfections	Ultrasonic inspection РПК UT-02-03 РПК UT-02-04 БДС 9233 БДС 9824 БДС 13661 БДС 14923 БДС 16323 БДС EN 1968 БДС EN 10160 БДС EN 10228-3 БДС EN 10228-4 БДС EN 10306 БДС EN 10307 БДС EN 10308 БДС EN 12680-1 БДС EN 12680-2 БДС EN 12680-3 БДС EN 13100-3 БДС EN 14163 БДС EN 14163/AC БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 10893-8 БДС EN ISO 10893-8/A1 БДС EN ISO 10893-9 БДС EN ISO 10893-9/A1 БДС EN ISO 10893-10 БДС EN ISO 10893-10/A1 БДС EN ISO 10893-11 БДС EN ISO 10893-11/A1 БДС EN ISO 11120 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 16148/A1 БДС EN ISO 16810 БДС EN ISO 16811 БДС EN ISO 16823 БДС EN ISO 16826 БДС EN ISO 16827 БДС EN ISO 17405 БДС EN ISO 17640 БДС EN ISO 18119 (БДС EN 1802) БДС EN ISO 18119/A1 БДС EN ISO 22825 БДС EN ISO 23279	НУБЕТНСН, art. 19; art.21 НУБЕТНГСИВВГ art.105 НУБЕНН, art. 7; art.26 НУБЕПРГСИУПГ, art.6; art.9; art.127; art.216 b, zh НУЕТНАУ, art.157 ИЕРМРСН, ДА "ДР и ВВЗ" – att.1 ИПЕР на СВЦР до 10000 cubic meters NEK– chapterII ПЕРМРСНПБ– „Petrol" AD-1-Item 6.8 ПИПМТ, МССУ ИКМ в ТЕЦ, НЕК НЕРМР,"LNB"/НК1-03-502-6.3-03 ИПЕРБРСТТ„LNB"/ИК 1-02-016-6.3 СС за СВЦР with a volume of up to 10000 cubic meters, КТСУ – МС ИИМ на СВЦР up to 10000 cubic meters, NEK ПИПСМР, Part „Buildings", Section „Control without destruction of metal and welded joints", art. 14, art. 20 and art. 45; РД 153-34.1-003-01 (РТМ-1с), Chapter 18.5 and Table 18.10, and Table 18.11 НП-084-15 НП-105-18 ADR- Item6.2.1.5.2; Item 6.7.3.15.3; Item6.7.4.14.3; 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) ТС БДС EN 1090-1+A1

Scope: flexible for part of scope *					
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
				ISO 13847 ГОСТ Р 50.05.02 ГОСТ Р 50.05.04 ГОСТ Р 50.05.05 ASTM A388/A388M ASTM A435/A435M ASTM A577/A577M ASTM A578/A578M ASTM A609/A609M ASTM A745/A745M ASTM B548 ASTM E114 ASTM E164 ASTM E213 ASTM E273 ASTM E587 ASTM E1901 ASTM E1961 ASTM E2192 ASTM E2223 ASTM E2375 ASME BPVC XI Division 1 ASME BPVC III Division 3 ASME BPVC V Article 4 ASME BPVC V Article 5 ASME B 16.34 ASME B 31.3 AWS D1.1/D1.1M API 650 API 1104 DNVGL-ST-F101	БДС EN 1090-2 БДС EN 1090-3 БДС EN 1968 БДС EN 1968/A1 БДС EN 10025-1 БДС EN 10025-1/NA БДС EN 10025-2 БДС EN 10025-3 БДС EN 10025-4+A1 БДС EN 10025-5 БДС EN 10025-6+A1 БДС EN 10028-3 БДС EN 10028-4 БДС EN 10207 БДС EN 10160 БДС EN 10213+A1 БДС EN 10216-1 БДС EN 10216-2+A1 БДС EN 10216-3 БДС EN 10216-4 БДС EN 10216-5 БДС EN 10217-1 БДС EN 10217-2 БДС EN 10217-3 БДС EN 10217-4 БДС EN 10217-5 БДС EN 10217-6 БДС EN 10217-7 БДС EN 10222-1 БДС EN 10228-3 БДС EN 10228-4 БДС EN 10306 БДС EN 10307 БДС EN 10308 БДС EN 10312 БДС EN 10312/A1 БДС EN 12493 БДС EN 12542 БДС EN 12680-1 БДС EN 12680-2 БДС EN 12680-3 БДС EN 12732 БДС EN 12807 БДС EN 12952-5 БДС EN 12952-6 БДС EN 12953-5 БДС EN 12972 БДС EN 13445-5 БДС EN 13445-6 БДС EN 13445-8 БДС EN 13480-5 БДС EN 13480-5/A1 БДС EN 13480-5/A2 БДС EN 13530-2 БДС EN 13807 БДС EN 14015 БДС EN 14025 БДС EN 14163 БДС EN 14163/AC БДС EN 14398-2+A2 БДС EN 14728 БДС EN 14893 БДС EN 16296 БДС EN ISO 3183 БДС EN ISO 5817 БДС EN ISO 6520-1 БДС EN ISO 6520-2 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 10042 БДС EN ISO 10893-8

Scope: flexible for part of scope *					
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
					БДС EN ISO 10893-8/A1 БДС EN ISO 10893-9 БДС EN ISO 10893-9/A1 БДС EN ISO 10893-10 БДС EN ISO 10893-10/A1 БДС EN ISO 10893-11 БДС EN ISO 10893-11/A1 БДС EN ISO 10961 БДС EN ISO 11120 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 11666 БДС EN ISO 13628-5 БДС EN ISO 13919-2 БДС EN ISO 15614-1/A1 БДС EN ISO 15614-7 БДС EN ISO 15614-11 БДС EN ISO 16148/A1 БДС EN ISO 17635 БДС EN ISO 18119 (БДС EN 1802) БДС EN ISO 18119/A1 БДС EN ISO 23088 (БДС EN 14876) БДС EN ISO 23279 ISO 13847 ISO 21029-1 ISO 21029-1/Amd 1 ASTM A388/A388M ASTM A435/A435M ASTM A577/A577M ASTM A578/A578M ASTM A609/A609M ASTM A745/A745M ASTM B548 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 Division 1 ASME B 31.1 ASME B 31.3 ASME B 16.34 API 650 API 1104 AWS D1.1/D1.1M DNVGL-ST-F101 TC
				Ultrasonic inspection by time-of-flight diffraction (ToFD) and phased array methods – manual, automated and	БДС EN 12732 БДС EN 14163 БДС EN 14163/AC БДС EN ISO 5817 БДС EN ISO 15626 БДС EN ISO 17635

Scope: flexible for part of scope *					
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
				mechanical method of zonal discrimination РПК UT-02-05 БДС EN 14163 БДС EN 14163/AC БДС EN 12732 БДС EN ISO 10863 БДС EN ISO 13588 БДС EN ISO 16828 БДС EN ISO 17640 БДС EN ISO 23864 ISO 13847 ISO 20601 ISO 23865 ASTM E164 ASTM E1961 ASTM E2700 ASME BPVC V Article 4 API 1104 DNVGL-ST-F101	БДС EN ISO 19285 ISO 13847 API 1104 DNVGL-ST-F101
2.2	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 equipment, pressure vessels, transportable pressure equipment Castings and forgings Products made of non-metallic and metallic materials	Of new and/or in service/ operation objects/ equipment/ products	Thickness	Ultrasonic inspection РПК UT-02-03 РПК UT-02-04 БДС EN 1968 БДС EN 12817 БДС EN 12819 БДС EN 17290 БДС EN ISO 10893-12/A1 БДС EN ISO 16809 ГОСТ Р 50.05.03 ASME BPVC V Article 23, SE-797/SE-797M ASTM E797/E797M	НУБЕТНСН, art. 19; НУБЕНН, art. 7; НУБЕТНГСИВВВГ, чл.105 НУБЕТНАУ-чл.52 ПИПМТ, МССУ ПИПМРТМСТ/1984, МССУ ИЕРМРСН, ДА "ДР и ВВЗ" ИКМ в ТЕЦ, НЕК НЕРМР, "ЛНБ" ИПЕРБРСТТ, „ЛНБ" СС за СВЦР, КТСУ-МС ИИиМ на СВЦР, НЕК ИПЕР на СВЦР, НЕК ADR- Item Item 6.2.1.5.1; 6.2.1.6.1; 6.2.3.5.1, 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– Item Item 6.2.1.5.1; 6.2.1.6.1; 6.2.3.5.1, 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-Item Item 6.2.1.5.1; 6.2.1.6.1; 6.2.3.5.1, 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) ТС

Scope: flexible for part of scope *					
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
	and their alloys				БДС EN 3-8 БДС EN 39 БДС EN 74-1 БДС EN 598+A1 БДС EN 877 БДС EN 1090-2 БДС EN 1251-2 БДС EN 1440+A2 БДС EN 1803 БДС EN 1968 БДС EN 10216-1 БДС EN 10216-2+A1 БДС EN 10216-3 БДС EN 10216-4 БДС EN 10216-5 БДС EN 12257 БДС EN 12451 БДС EN 12452 БДС EN 12493 БДС EN 12542 БДС EN 12732 БДС EN 12807 БДС EN 12810-1 БДС EN 12811-1 БДС EN 12811-2 БДС EN 12812 БДС EN 12817 БДС EN 12819 БДС EN 12862 БДС EN 12952-6 БДС EN 12953-5 БДС EN 12972 БДС EN 13110 БДС EN 13155 БДС EN 13322-1 БДС EN 13322-2 БДС EN 13445-4 БДС EN 13445-5 БДС EN 13445-6 БДС EN 13458-2 БДС EN 13480-5 БДС EN 13480-5/A1 БДС EN 13480-5/A2 БДС EN 14015 БДС EN 14025 БДС EN 14140 БДС EN 14161+A1 БДС EN 14208 БДС EN 14427 БДС EN 14638-1 БДС EN 14638-3 БДС EN 14893 БДС EN 16728+A2 БДС EN ISO 3183 БДС EN ISO 7866 БДС EN ISO 7866/A1 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 10462 БДС EN ISO 10462/A1 БДС EN ISO 10893-12/A1 БДС EN ISO 11118 БДС EN ISO 11118/A1 БДС EN ISO 11120 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 13628-5 БДС EN ISO 18119 (БДС EN 1802)

Scope: flexible for part of scope *					
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
					БДС EN ISO 18119/A1 БДС EN ISO 23088 (БДС EN 14876) БДС EN ISO 20475 (БДС EN 15888) ISO 11119-1 ISO 11119-2 ISO 11119-3 ISO 11513 НП-084-15 ASTM A264 ASME BPVC IV ASME BPVC VIII Division 2 ASME B 31.3
3	Welded metallic joints of pressure vessels, pressure equipment and transportable pressure equipment Welding 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, pressure equipment, transportable pressure equipment Castings and forgings Products, made of metallic materials and their alloys, and permanent joints thereof. Pipelines, pipes and pipe products	Of new and/or in service/ operation objects/ equipment/ processes/ products	Type, size and location of surface and subsurface discontinuities/ indications	Magnetic-particle and magnetic inspection РПК МТ-03-03 РПК МТ-03-04 БДС 15575/A1 БДС EN 1369 БДС EN 10228-1 БДС EN 14163 БДС EN 14163/AC БДС EN ISO 3059 БДС EN ISO 9934-1 БДС EN ISO 10893-3 БДС EN ISO 10893-3/A1 БДС EN ISO 10893-3/A2 БДС EN ISO 10893-5 БДС EN ISO 17638 ISO 4986 ISO 13847 ГОСТ Р 50.05.06 ASTM A275/A275M ASTM E709 ASTM E1444/E1444M ASME BPVC V Article 7 ASME BPVC XI Division 1 ASME B 31.3 API 650 DNVGL-ST-F101	НУБЕТНСН, art. 20, art.21. НУБЕПРГСИУПГ, art.6, art.9, art.127, art.216 b, zh ПИПСМР, Part „Buildings", Section „Control without destruction of metal and welded joints", art. 23 and Table 9 ПИПМТ, МССУ ИЕРМРСН, ДА „ДР и ВВЗ" ИКМ в ТЕЦ, NEK ИПЕРБРСТТ, „LNB" СС за СВЦР, KTSU-CM ИИиМ на СВЦР, NEK ИПЕР на СВЦР, NEK РД 153-34.1-003 (РТМ-1с), Chapter 18.8, Item 18.3.4 and Table 18.2 НП-084-15 НП-105-18 ADR- Item Item 6.2.1.5.2; 6.7.3.15.3; 6.7.4.14.3; 6.8.2.1.23, 6.8.4d; RID – Item Item 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- Item Item 6.2.1.5.2; 6.7.3.15.3; 6.7.4.14.3; 6.8.2.1.23; 6.8.4d) ТС БДС EN 1090-1+A1/NA БДС EN 1090-2 БДС EN 1090-3 БДС EN 1369 БДС EN 1775 БДС EN 1968 БДС EN 1968/A1 БДС EN 10213+A1 БДС EN 10216-1 БДС EN 10216-2+A1 БДС EN 10216-3 БДС EN 10216-4

Scope: flexible for part of scope *					
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
					БДС EN 10216-5 БДС EN 10217-1 БДС EN 10217-2 БДС EN 10217-3 БДС EN 10217-4 БДС EN 10217-5 БДС EN 10217-6 БДС EN 10217-7 БДС EN 10222-1 БДС EN 10228-1 БДС EN 12542 БДС EN 12732 БДС EN 12952-5 БДС EN 12952-6 БДС EN 12953-5 БДС EN 13445-5 БДС EN 13445-6 БДС EN 13480-5 БДС EN 13480-5/A1 БДС EN 13480-5/A2 БДС EN 13807 БДС EN 14015 БДС EN 14163 БДС EN 14163/AC БДС EN ISO 17635 БДС EN 12493 БДС EN 12516-1+A1 БДС EN 12972 БДС EN 14015 БДС EN 14025 БДС EN 14208 БДС EN 14893 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 10893-3 БДС EN ISO 10893-3/A1 БДС EN ISO 10893-3/A2 БДС EN ISO 10893-5 БДС EN ISO 11120 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 23088 (БДС EN 14876) БДС EN ISO 17638 БДС EN ISO 5817 БДС EN ISO 23278 БДС EN ISO 6520-1 БДС EN ISO 6520-2 БДС EN ISO 3183 БДС EN ISO 10961 БДС EN ISO 13919-2 БДС EN ISO 18279 БДС EN ISO 15614-1/A1 БДС EN ISO 15614-7 БДС EN ISO 15614-11 ISO 13847 БДС EN ISO 20475 (БДС EN 15888) СД CEN/TR 16638 ASME BPVC I ASME BPVC III Division 1 ASME BPVC III Division 3 ASME BPVC VIII Division 1

Scope: flexible for part of scope *					
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 BPVC VIII Division 2 ASME BPVC VIII Division 3 ASME BPVC IX ASME BPVC XI Division 1 ASME B 16.34 ASME B 31.1 ASME B 31.3 ASTM E125 AWS D1.1/D1.1M API 650 API 1104 DNVGL-ST-F101
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 РПК РТ-04-03 РПК РТ-04-04 БДС EN 1371-1 БДС EN 1371-2 БДС EN 10228-2 БДС EN 12799 БДС EN 12799/A1 БДС EN ISO 3059 БДС EN ISO 3452-1 БДС EN ISO 3452-5 БДС EN ISO 3452-6 БДС EN ISO 10893-4 ISO 13847 ГОСТ Р 50.05.09 ASTM E165/E165M ASTM E1220 ASTM E1417/E1417M ASTM E1418 ASME BPVC V Article 6 ASME BPVC XI Division 1 ASME B 31.3 API 650 DNVGL-ST-F101	НУБЕТНСН, art. 20, art.21; НУБЕПРГСИУПГ, art.6, art.9, art.127, art.216 b, zh ПИПМТ, МССУ ИЕРМРСН, ДА „ДР и ВВЗ" ИКМ в ТЕЦ, NEK НЕРМР, „LNB" ИПЕРБРСТТ, „LNB" СС за СВЦР/KTSU-CM ИИиМ на СВЦР, NEK ИПЕР на СВЦР, NEK РД 153-34.1-003 (РТМ-1с), Chapter 18.8, Item 18.3.4, Item 18.8.3 and Table 18.2 НП-084-15 НП-105-18 ADR-Item Item 6.2.1.5.2; 6.7.3.15.3; 6.7.4.14.3; 6.8.2.1.23, 6.9.5 RID–Item Item 6.2.1.5.2; 6.7.3.15.3, 6.7.4.14.3; 6.8.2.1.23, 6.9.5 ADN- Part 6 (ADR- Item Item6.2.1.5.2; 6.7.3.15.3; 6.7.4.14.3; 6.8.2.1.23, 6.9.5) ТС БДС EN 1090-1+A1/NA БДС EN 1090-2 БДС EN 1090-3 БДС EN 1371-1 БДС EN 1371-2 БДС EN 1775 БДС EN 1968 БДС EN 1968/A1 БДС EN 10213+A1 БДС EN 10216-1 БДС EN 10216-2+A1 БДС EN 10216-3 БДС EN 10216-4 БДС EN 10216-5 БДС EN 10217-1 БДС EN 10217-2

Scope: flexible for part of scope *					
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
					БДС EN 10217-3 БДС EN 10217-4 БДС EN 10217-5 БДС EN 10217-6 БДС EN 10217-7 БДС EN 10222-1 БДС EN 10228-2 БДС EN 12493 БДС EN 12516-1+A1 БДС EN 12542 БДС EN 12732 БДС EN 12799 БДС EN 12799/A1 БДС EN 12952-5 БДС EN 12952-6 БДС EN 12953-4 БДС EN 12953-5 БДС EN 12972 БДС EN 13445-5 БДС EN 13445-6 БДС EN 13445-8 БДС EN 13458-2 БДС EN 13480-5 БДС EN 13480-5/A1 БДС EN 13480-5/A2 БДС EN 13807 БДС EN 14015 БДС EN 14025 БДС EN 14163 БДС EN 14163/AC БДС EN 14208 БДС EN 14893 БДС EN ISO 3183 БДС EN ISO 5817 БДС EN ISO 6520-1 БДС EN ISO 6520-2 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 10042 БДС EN ISO 10893-4 БДС EN ISO 10961 БДС EN ISO 11120 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 13919-2 БДС EN ISO 15614-1/A1 БДС EN ISO 15614-2 БДС EN ISO 15614-3 БДС EN ISO 15614-4 БДС EN ISO 15614-5 БДС EN ISO 15614-6 БДС EN ISO 15614-7 БДС EN ISO 15614-8 БДС EN ISO 15614-11 БДС EN ISO 15614-13 БДС EN ISO 17635 БДС EN ISO 18279 БДС EN ISO 23088 (БДС EN 14876) БДС EN ISO 23277 ISO 13847 ASME BPVC I ASME BPVC III Division 1 ASME BPVC III Division 3 ASME BPVC VIII Division 1

Scope: flexible for part of scope *					
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 BPVC VIII Division 2 ASME BPVC VIII Division 3 ASME BPVC IX ASME BPVC XI Division 1 ASME B 16.34 ASME B 31.1 ASME B 31.3 ASTM E433-71 AWS D1.1/D1.1M API 650 API 1104 DNVGL-ST-F101
5	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 imperfections, deviation in geometric dimensions	Visual inspection РПК VT-05-03 РПК VT-05-04 БДС 5177 БДС EN 1370 БДС EN 13018 БДС EN 13100-1 БДС EN ISO 3183 БДС EN ISO 8062-3 БДС EN ISO 17637 БДС EN ISO 23826 СД CEN ISO/TS 8062-2 ISO 8062-4 ISO 13847 ГОСТ Р 50.05.08 ASME BPVC V Article 9 ASME BPVC IX ASME BPVC XI Division 1 ASME B 31.3 API 650	НУБЕТНСН, art. 19, art.21. НУБЕПРГСИУПГ, art.6, art.9, art.127, art.216 b, zh ПИПМТ, МССУ ИЕРМРСН, ДА „ДР и ВВЗ" ИКМ в ТЕЦ, NEK НЕРМР, „LNB" ИПЕРБРСТТ"LNB" СС за СВЦР, KTSU-CM ИИиМ на СВЦР, NEK ИПЕР на СВЦР, NEK НП-084-15 НП-105-18 ADR – Item Item 6.2.1.5.1; 6.2.1.5.2; 6.2.1.6.1; Item 6.2.3.5.1; 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; Item 6.7.4.6, 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; Item 6.9.5 RID – Item Item 6.2.1.5.1; 6.2.1.5.2; 6.2.1.6.1; Item 6.2.3.5.1; 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; Item 6.7.4.6, 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; Item 6.9.5 ADN- Part 6 (ADR-Item Item 6.2.1.5.1; 6.2.1.5.2; 6.2.1.6.1; Item 6.2.3.5.1; 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;

Scope: flexible for part of scope *					
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
					Item 6.7.4.6, 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; Item 6.9.5) TC БДС EN 3-10 БДС EN 39 БДС EN 74-1 БДС EN 286-1 БДС EN 286-2 БДС EN 286-3 БДС EN 286-4 БДС EN 334 БДС EN 1090-1+A1/NA БДС EN 1090-2 БДС EN 1090-3 БДС EN 1251-2 БДС EN 1439 БДС EN 1440+A2 БДС EN 1442 БДС EN 1561 БДС EN 1562 БДС EN 1563 БДС EN 1775 БДС EN 1803 БДС EN 1968 БДС EN 1968/A1 БДС EN 10120 БДС EN 10163-1 БДС EN 10163-2 БДС EN 10163-3 БДС EN 10213+A1 БДС EN 10216-1 БДС EN 10216-2+A1 БДС EN 10216-3 БДС EN 10216-4 БДС EN 10216-5 БДС EN 10217-1 БДС EN 10217-2 БДС EN 10217-3 БДС EN 10217-4 БДС EN 10217-5 БДС EN 10217-6 БДС EN 10217-7 БДС EN 10346 БДС EN 12257 БДС EN 12451 БДС EN 12493 БДС EN 12542 БДС EN 12732 БДС EN 12807 БДС EN 12811-1 БДС EN 12811-2 БДС EN 12817 БДС EN 12819 БДС EN 12862 БДС EN 12952-5 БДС EN 12952-6 БДС EN 12953-4 БДС EN 12953-5 БДС EN 12972 БДС EN 13067 БДС EN 13110 БДС EN 13121-3 БДС EN 13322-1 БДС EN 13322-2 БДС EN 13445-5

Scope: flexible for part of scope *					
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
					БДС EN 13445-6 БДС EN 13445-8 БДС EN 13458-2 БДС EN 13480-5 БДС EN 13480-5/A1 БДС EN 13480-5/A2 БДС EN 13530-2 БДС EN 13807 БДС EN 13953 БДС EN 14015 БДС EN 14025 БДС EN 14140 БДС EN 14163 БДС EN 14163/AC БДС EN 14197-2 БДС EN 14208 БДС EN 14398-2+A2 БДС EN 14427 БДС EN 14628-1 БДС EN 14638-1 БДС EN 14638-3 БДС EN 14728 БДС EN 14893 БДС EN 14912 БДС EN 16296 БДС EN 16728+A2 БДС EN ISO 3183 БДС EN ISO 5817 БДС EN ISO 6520-1 БДС EN ISO 6520-2 БДС EN ISO 7866 БДС EN ISO 7866/A1 БДС EN ISO 8062-3 БДС EN ISO 9606-1 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 10042 БДС EN ISO 10462 БДС EN ISO 10462/A1 БДС EN ISO 10961 БДС EN ISO 11118 БДС EN ISO 11118/A1 БДС EN ISO 11120 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 11623 БДС EN ISO 13628-5 БДС EN ISO 13919-2 БДС EN ISO 15614-1/A1 БДС EN ISO 15614-2 БДС EN ISO 15614-3 БДС EN ISO 15614-4 БДС EN ISO 15614-5 БДС EN ISO 15614-6 БДС EN ISO 15614-7 БДС EN ISO 15614-8 БДС EN ISO 15614-11 БДС EN ISO 15614-12 БДС EN ISO 15614-13 БДС EN ISO 17635 БДС EN ISO 17879 БДС EN ISO 18119 (БДС EN 1802) БДС EN ISO 18119/A1 БДС EN ISO 18279 БДС EN ISO 18797-2 БДС EN ISO 20475 (БДС EN 15888) БДС EN ISO 21029-2 БДС EN ISO 23088

Scope: flexible for part of scope *					
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
					(БДС EN 14876) БДС EN ISO 23088 СД CEN ISO/TS 8062-2 ISO 8062-4 ISO 11119-1 ISO 11119-2 ISO 11119-3 ISO 11513 ISO 13847 ISO 21029-1 ISO 21029-1/Amd 1 ASME BPVC I ASME BPVC III Division 1 ASME BPVC III Division 3 ASME BPVC IV ASME BPVC VIII Division 1 ASME BPVC VIII Division 2 ASME BPVC VIII Division 3 ASME BPVC IX ASME BPVC XI Division 1 ASME B 31.1 ASME B 31.3 API 650 API 1104 AWS D1.1/D1.1M DNVGL-ST-F101
6.1	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 РПК ЕТ-37-01 БДС EN 1971-1 БДС EN 1971-2 БДС EN 12451 БДС EN 12452 БДС EN ISO 10893-1/A1 БДС EN ISO 10893-2/A1 БДС EN ISO 15549 БДС EN ISO 17643 БДС ISO 20669 ГОСТ Р 50.05.10 ASME BPVC V Article 8 ASME BPVC XI Division 1 DNVGL-ST-F101	Technical specification ПИПМТ, МССУ ИЕРМРСН, ДА „ДР и ВВЗ" ИКМ в ТЕЦ, NEK НЕРМР, „LNB" ИПЕРБРСТТ, „LNB" СС за СВЦР, KTSU-CM ИИиМ на СВЦР, NEK ИПЕР на СВЦР, NEK БДС EN 3-10 БДС EN 286-1 БДС EN 286-1/A1 БДС EN 286-1/A2 БДС EN 286-1/AC БДС EN 286-2 БДС EN 286-2/AC БДС EN 286-3 БДС EN 286-4 БДС EN 1090-1+A1/NA БДС EN 1090-2 БДС EN 1090-3 БДС EN 1775 БДС EN 1968 БДС EN 1968/A1 БДС EN 1971-1 БДС EN 1971-2 БДС EN 10216-1 БДС EN 10216-2+A1

Scope: flexible for part of scope *					
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
					БДС EN 10216-3 БДС EN 10216-4 БДС EN 10216-5 БДС EN 10217-1 БДС EN 10217-2 БДС EN 10217-3 БДС EN 10217-4 БДС EN 10217-5 БДС EN 10217-6 БДС EN 10217-7 БДС EN 12451 БДС EN 12452 БДС EN 12732 БДС EN 12952-6 БДС EN 12953-5 БДС EN 12972 БДС EN 13445-5 БДС EN 13480-5 БДС EN 13480-5/A1 БДС EN 13480-5/A2 БДС EN 13807 БДС EN 14015 БДС EN ISO 3183 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 10893-1/A1 БДС EN ISO 10893-2/A1 БДС EN ISO 10961 БДС EN ISO 11120 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 17635 БДС EN ISO 23088 (БДС EN 14876) ISO 21029-1 ISO 21029-1/Amd 1 НП-084-15 ASME BPVC XI Division 1 ASME B 31.3 DNVGL-ST-F101
6.2			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 Thickness of nickel	Eddy current inspection РПК СТМ-38-01 БДС 15600 БДС EN ISO 2360 БДС EN ISO 2808 БДС EN ISO 21968 БДС ISO 19840 Magnetic inspection РПК СТМ-38-01 БДС 15600	БДС EN 3-10 БДС EN 74-1 БДС EN 286-1 БДС EN 286-2 БДС EN 286-3 БДС EN 286-4 БДС EN 286-1/A1 БДС EN 286-1/AC БДС EN 286-1/A2 БДС EN 286-2/AC БДС EN 1090-1+A1/NA БДС EN 1090-2 БДС EN 12811-2 БДС EN 14628-1 БДС EN ISO 2360 БДС EN ISO 21968 БДС ISO 19840 Technical specification БДС EN 74-3 БДС EN 598+A1 БДС EN 1090-

Scope: flexible for part of scope *					
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
			coatings on magnetic and non-magnetic substrates	БДС EN ISO 2178 БДС EN ISO 2361 БДС EN ISO 2808 БДС EN ISO 21809-3 БДС ISO 19840 ASTM E426	1+A1/NA БДС EN 1090-3 БДС EN 1775 БДС EN 1968 БДС EN 1968/A1 БДС EN 10216-1 БДС EN 10216-2+A1 БДС EN 10216-3 БДС EN 10216-4 БДС EN 10216-5 БДС EN 10217-1 БДС EN 10217-2 БДС EN 10217-3 БДС EN 10217-4 БДС EN 10217-5 БДС EN 10217-6 БДС EN 10217-7 БДС EN 12732 БДС EN 12952-6 БДС EN 12953-5 БДС EN 12972 БДС EN 13445-5 БДС EN 13480-5 БДС EN 13480-5/A1 БДС EN 13480-5/A2 БДС EN 13807 БДС EN 14015 БДС EN 14628-1 БДС EN ISO 3183 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 10961 БДС EN ISO 11120 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 18797-2 БДС EN ISO 23088 (БДС EN 14876) БДС ISO 19840 ISO 21029-1 ISO 21029-1/Amd 1 Technical specification
7	Products, made of metallic materials and their alloys, and permanent joints thereof	Of new and in service/ operation objects/ equipment/ products	Sorting and type of material of metal products	Eddy current inspection РПК ЕТ-37-01 БДС EN ISO 15549	Technical specification ПИПМТ, МССУ ИЕРМРСН, ДА "ДР и ВВЗ" ИКМ в ТЕЦ, NEK НЕРМР, "LNB" ИПЕРБРСТТ, „LNB" СС за СВЦР, KTSU-CM ИИиМ на СВЦР, NEK ИПЕР на СВЦР, NEK БДС 15406 БДС 16097 БДС EN 3-10 БДС EN 286-1 БДС EN 286-2 БДС EN 286-3 БДС EN 286-4 БДС EN 286-1/A1 БДС EN 286-1/AC БДС EN 286-1/A2 БДС EN 286-2/AC БДС EN 1090-1+A1 БДС EN 1090-1+A1/NA

Scope: flexible for part of scope *					
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
					БДС EN 1090-2 БДС EN 1090-3 БДС EN 1775 БДС EN 1968 БДС EN 1968/A1 БДС EN 10216-1 БДС EN 10216-2+A1 БДС EN 10216-3 БДС EN 10216-4 БДС EN 10216-5 БДС EN 10217-1 БДС EN 10217-2 БДС EN 10217-3 БДС EN 10217-4 БДС EN 10217-5 БДС EN 10217-6 БДС EN 10217-7 БДС EN 12732 БДС EN 12952-6 БДС EN 12953-5 БДС EN 12972 БДС EN 13445-5 БДС EN 13480-5 БДС EN 13480-5/A1 БДС EN 13480-5/A2 БДС EN 13807 БДС EN 14015 БДС EN ISO 3183 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 10961 БДС EN ISO 11120 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 23088 (БДС EN 14876) ISO 21029-1 ISO 21029-1/Amd 1
8	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	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, N 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 Percentage content of chemical elements Si, Mn, Cr, Mo, V, Al, Cu, Nb, Ti, W, Co, Fe and Ni base Percentage content of chemical elements Al, V, Cr, Fe, Mn, Mo and Ti	Spectral analysis by optical emission РПК СА-11-01/ 15.02.21** БДС EN 14726 БДС EN 15079	НУБЕНН, art. 25 НУБЕПРГСИУПГ, art.16 ИЕРМРСН, ДА „ДР и ВВЗ" ИКМ в ТЕЦ, NEK НЕРМР, „LNB" ИПЕРБРСТТ, „LNB" СС за СВЦР, KTSU-CM ИИиМ на СВЦР, NEK ИПЕР на СВЦР, NEK РД 153-34.1-003 (РТМ-1с), Chapter 18.2, Table 18.1 and Annex 25 ADR- Item Item 6.2.1.5.1; 6.8.4; Item 6.8.5, 6.8.5.2 RID – Item Item 6.2.1.5.1; 6.8.4; Item 6.8.5, 6.8.5.2 ADN-Part 6 (ADR- Item Item 6.2.1.5.1; 6.8.4; Item 6.8.5, 6.8.5.2) TC Stahlschlüssel Spectro Metal Database БДС EN 3-10 БДС EN 39 БДС EN 286-1 БДС EN 286-2

Scope: flexible for part of scope *					
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
	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 metallic materials and their alloys, and permanent joints thereof		base Percentage content of chemical elements Al, Cu, Fe, Pb, Sn, Ti and Zn base		БДС EN 286-3 БДС EN 286-4 БДС EN 286-1/A1 БДС EN 286-1/AC БДС EN 286-1/A2 БДС EN 286-2/AC БДС EN 573-3+A1 БДС EN 601 БДС EN 602 БДС EN 1090-1+A1 БДС EN 1090-1+A1/NA БДС EN 1090-2 БДС EN 1090-3 БДС EN 1561 БДС EN 1562 БДС EN 1563 БДС EN 1564 БДС EN 1676 БДС EN 1706+A1 БДС EN 1775 БДС EN 1968 БДС EN 1968/A1 БДС EN 1993-1-1 БДС EN 1993-1-1/NA БДС EN 1993-1-1/A1 БДС EN 1993-1-1/AC БДС EN 1999-1-1 БДС EN 1999-1-1/A1 БДС EN 1999-1-1/NA БДС EN 1999-1-1/A2 БДС EN 1999-1-2 БДС EN 1999-1-2/NA БДС EN 1999-1-4 БДС EN 1999-1-4/A1 БДС EN 1999-1-4/NA БДС EN ISO 3183 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN 10025-2 БДС EN 10025-4+A1 БДС EN 10025-5 БДС EN 10028-7 БДС EN 10028-4 БДС EN 10088-1 БДС EN 10088-2 БДС EN 10088-3 БДС EN 10149-2 БДС EN 10149-3 БДС EN 10207 БДС EN 10213+A1 БДС EN 10216-1 БДС EN 10216-2+A1 БДС EN 10216-3 БДС EN 10216-4 БДС EN 10216-5 БДС EN 10217-1 БДС EN 10217-2 БДС EN 10217-3 БДС EN 10217-4 БДС EN 10217-5 БДС EN 10217-6 БДС EN 10217-7 БДС EN 10219-1 БДС EN 10222-2+A1 БДС EN 10222-4+A1 БДС EN 10225-1 БДС EN 10225-2 БДС EN 10225-3 БДС EN 10225-4 БДС EN 10250-2 БДС EN 10250-3

Scope: flexible for part of scope *					
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
					БДС EN 10250-4 БДС EN 10263-2 БДС EN 10263-3 БДС EN 10263-4 БДС EN 10263-5 БДС EN 10268+A1 БДС EN 10269 БДС EN 10283 БДС EN 10293 БДС EN 10295 БДС EN 10302 БДС EN 10305-2 БДС EN 10305-3 БДС EN 10305-4 БДС EN 10305-5 БДС EN 10305-6 БДС EN 10340 БДС EN 10346 БДС EN 10349 БДС EN 12420 БДС EN 12449+A1 БДС EN 12451 БДС EN 12452 БДС EN 12732 БДС EN 12735-1 БДС EN 12735-2 БДС EN 12862 БДС EN 12952-2 БДС EN 12952-6 БДС EN 12953-5 БДС EN 12972 БДС EN 13293 БДС EN 13110 БДС EN 13445-5 БДС EN 13480-2 БДС EN 13480-2/A3 БДС EN 13480-2/A7 БДС EN 13480-2/A8 БДС EN 13480-5 БДС EN 13480-5/A1 БДС EN 13480-5/A2 БДС EN 13674-3+A1 БДС EN 13807 БДС EN 14015 БДС EN 14161+A1 БДС EN 16851+A1 БДС EN ISO 683-1 БДС EN ISO 683-2 БДС EN ISO 683-3 БДС EN ISO 7866 БДС EN ISO 7866/A1 БДС EN ISO 10961 БДС EN ISO 11114-1 БДС EN ISO 11118 БДС EN ISO 11118/A1 БДС EN ISO 11120 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 15156-2 БДС EN ISO 15156-3 БДС EN ISO 23088 (БДС EN 14876) ISO 13521 ISO 21029-1 ISO 21029-1/Amd 1 ASME BPVC II Part A, Part B, Part C ASME BPVC III Division 3 ASME BPVC IX

Scope: flexible for part of scope *					
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 B 31.3
9	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 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 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 РПК PMI-11-02/ 15.02.21** БДС EN 15309 ASTM E572	НУБЕНН, art. 25 РД 153-34.1-003 (РТМ-1с), Chapter 18.2, Table 18.1 and Annex 25 ADR- Item Item 6.2.1.5.1; 6.8.4, Item 6.8.5, 6.8.5.2 RID – Item Item 6.2.1.5.1; 6.8.4, Item 6.8.5, 6.8.5.2 ADN- Part 6 (ADR- Item Item .6.2.1.5.1; Item 6.8.5; 6.8.4; 6.8.5.2) TC Stahlschlüssel Spectro Metal Database БДС EN 3-10 БДС EN 39 БДС EN 286-1 БДС EN 286-2 БДС EN 286-3 БДС EN 286-4 БДС EN 286-1/A1 БДС EN 286-1/AC БДС EN 286-1/A2 БДС EN 286-2/AC БДС EN 1090-1+A1 БДС EN 1090-1+A1/NA БДС EN 1090-2 БДС EN 1090-3 БДС EN 1775 БДС EN 1968 БДС EN 1968/A1 БДС EN 10025-2 БДС EN 10025-5 БДС EN 10028-7 БДС EN 10088-1 БДС EN 10088-3 БДС EN 10149-2 БДС EN 10149-3 БДС EN 10207 БДС EN 10213+A1 БДС EN 10216-1 БДС EN 10216-2+A1 БДС EN 10216-3 БДС EN 10216-4 БДС EN 10216-5 БДС EN 10217-1 БДС EN 10217-2 БДС EN 10217-3 БДС EN 10217-4 БДС EN 10217-5 БДС EN 10217-6 БДС EN 10217-7 БДС EN 10219-1 БДС EN 10225-1 БДС EN 10225-2 БДС EN 10225-3 БДС EN 10225-4 БДС EN 10250-2 БДС EN 10250-3 БДС EN 10250-4 БДС EN 10263-2 БДС EN 10263-3 БДС EN 10263-4 БДС EN 10263-5 БДС EN 10268+A1 БДС EN 10269

Scope: flexible for part of scope *					
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
					БДС EN 10283 БДС EN 10293 БДС EN 10295 БДС EN 10302 БДС EN 10305-2 БДС EN 10305-5 БДС EN 10305-6 БДС EN 10340 БДС EN 10346 БДС EN 10349 БДС EN 12420 БДС EN 12449+A1 БДС EN 12451 БДС EN 12452 БДС EN 12732 БДС EN 12862 БДС EN 12952-2 БДС EN 12952-6 БДС EN 12953-5 БДС EN 12972 БДС EN 13110 БДС EN 13293 БДС EN 13445-5 БДС EN 13480-2 БДС EN 13480-2/A3 БДС EN 13480-2/A7 БДС EN 13480-2/A8 БДС EN 13480-5 БДС EN 13480-5/A1 БДС EN 13480-5/A2 БДС EN 13674-3+A1 БДС EN 13807 БДС EN 14015 БДС EN 14208 БДС EN 14638-1 БДС EN 14638-3 БДС EN ISO 683-1 БДС EN ISO 683-2 БДС EN ISO 683-3 БДС EN ISO 3183 БДС EN ISO 7866 БДС EN ISO 7866/A1 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 10961 БДС EN ISO 11114-1 БДС EN ISO 11118 БДС EN ISO 11118/A1 БДС EN ISO 11120 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 13628-5 БДС EN ISO 14245 БДС EN ISO 15995 БДС EN ISO 23088 (БДС EN 14876) ISO 13521 ISO 21029-1 ISO 21029-1/Amd 1 ASME BPVC II Part A, Part B, Part C ASME BPVC III Division 3 ASME BPVC IX ASME B 31.3
10	Materials, welded metallic joints of pressure vessels, equipment and	Of new and/or in service/ operation objects/	Type, size and location of imperfections, inclusions and	Macroscopic inspection РПК МІ-16-01 РПК МІ-16-02	ТС, БДС EN 3-8 БДС EN 12493 БДС EN 12732

Scope: flexible for part of scope *					
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
	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 and 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	equipment/ products	distribution	БДС EN 12797 БДС EN 12814-5 БДС EN ISO 17639 ASTM E45 ASTM E112 ASME BPVC IX	БДС EN 12797 БДС EN 12807 БДС EN 12814-8 БДС EN 13322-1 БДС EN 13322-1/A1 БДС EN 13322-2 БДС EN 13322-2/A1 БДС EN ISO 3183 БДС EN ISO 5817 БДС EN ISO 6520-1 БДС EN ISO 6520-2 БДС EN ISO 10042 БДС EN ISO 15614-1/A1 БДС EN ISO 15614-2 БДС EN ISO 15614-3 БДС EN ISO 15614-5 БДС EN ISO 15614-6 БДС EN ISO 15614-7 БДС EN ISO 15614-8 БДС EN ISO 15614-12 БДС EN ISO 15614-13 ISO 11513 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 Division 1 API 650 API 1104
11	Products, made of non-metallic and metallic materials and their alloys, and permanent joints thereof Castings	On new and in use /operation equipments/ products	Defects in the structure of the material and defects in welded joints: cracks, cavities, distribution of non-metallic inclusions, non-alloying and incomplete penetration, shape of welded joint, phase composition (ferrite phase), stripe, Widmanstätten patterns; Type, number and visible grain sizes, size of the grain boundary, distribution and grain size index	Metallographic inspection РПК МЕТ-44-01 БДС 3326 БДС 3326/amd1 БДС 3690 БДС 7980 БДС 10106 БДС 11174 БДС 11174/amd1 БДС 12730 БДС 12730/amd1 БДС 13044 БДС 13612 БДС 14164 БДС 14164/amd1 БДС 14254 БДС EN 10247 БДС EN 13445-5 БДС EN ISO 643	СС за СВЦР, KTSU-CM ИИиМ на СВЦР, NEK ИПЕР на СВЦР, NEK Spectro Metal Database БДС 3316 БДС 3326 БДС 3326/amd1 БДС 3690 БДС 11174 БДС 11174/amd1 БДС 12730 БДС 12730/amd1 БДС 14164 БДС 14164/amd1 БДС 14254 БДС EN 1561 БДС EN 1562 БДС EN 1563 БДС EN 1564 БДС EN 10025-2 БДС EN 10025-3

Scope: flexible for part of scope *					
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
			(grain score). Dimensions, shape and location of graphite grains, number of graphite inclusions. Type, number, length, diameter, width, area, coefficient of shape, distance between particles. Metal base structure- type, quantitative content and distribution	БДС EN ISO 945-1 БДС EN ISO 2624 БДС EN ISO 9015-1 БДС EN ISO 9015-2 БДС EN ISO 4499-1 БДС EN ISO 4499-2 БДС EN ISO 6520-1 БДС EN ISO 14271 БДС EN ISO 17639 ISO 3057 ISO 4967 ISO 13521 ISO/TR 945-2 ISO/TR 945-3 ASTM E3 ASTM E112 ASTM E340 ASTM E407 ASTM E1351 ГОСТ 3443	БДС EN 10025-4+A1 БДС EN 10025-5 БДС EN 10025-6+A1 БДС EN 10028-3 БДС EN 10088-1 БДС EN 10247 БДС EN 12451 БДС EN 12452 БДС EN 13261 БДС EN 13262 БДС EN 13445-4 БДС EN 13445-6 БДС EN ISO 683-1 БДС EN ISO 683-2 БДС EN ISO 643 БДС EN ISO 945-1 БДС EN ISO 2624 БДС EN ISO 18279 ISO 4967 ISO/TR 945-2 ISO/TR 945-3 ASTM E112 ГОСТ 3443 ТС
			Thickness of metallic, non-metallic and oxide coatings.	БДС EN 877 БДС EN ISO 1463 БДС EN ISO 2808	БДС EN 877 БДС EN ISO 1463 ТС
			Surface decarburization/ carburization - depth of complete decarburization, height of non-decarburization, depth of carburization	БДС 3316 БДС EN ISO 898-1 БДС EN ISO 898-5 БДС EN ISO 2639 БДС EN ISO 3887	БДС EN ISO 898-1 БДС EN ISO 898-5 ТС
12	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 РПК WI-17-01/ 28.12.2018**	ТС НУБЕТНСнН – Article 240; НСИОСТОН - Annex № 1 to Article 16(2) БДС EN 3-8 БДС EN 39 БДС EN 877 БДС EN 1968 БДС EN 12245 БДС EN 12257 БДС EN 12862 БДС EN 13293 БДС EN 13322-1 БДС EN 13322-2 БДС EN 14208 БДС EN 14427 БДС EN 14638-1 БДС EN 14638-3 БДС EN 16728+A2 БДС EN ISO 3183 БДС EN ISO 7866 БДС EN ISO 7866/A1 БДС EN ISO 11120

Scope: flexible for part of scope *					
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
					ISO 11119-1 ISO 11119-2 ISO 11119-3
13	Cryogenic vessels, gas cylinders and transportable gas cylinders, LPG steel tanks, dangerous goods tanks, steel tanks, shell-tube and water pipe boilers and vessels, steel pipes. Plastics, plastic pipeline systems, products made of plastic.	Of new and/or in service/ operation objects/ equipment/ products	Linear dimensions, diameters, roundness, deviations from geometric dimensions, linearity, thickness	Geometric dimension inspection РПК GDI-18-01 Metrology and measuring technology Volume 2 Section 6- Item Item 6.1, 6.2,6.3, 6.8, 6.9, 6.10, 6.12, 6.13,6.14, 6.16 БДС EN 12952-5 БДС EN 13480-4 БДС EN ISO 1402 БДС EN ISO 4671 БДС EN ISO 16486-3	TC Metrology and measuring technology Volume 2, Section 6- Item 6.1, Item 6.2, Item 6.3, Item 6.8, Item 6.9, Item 6.10, Item 6.12, Item 6.13, Item 6.14, Item 6.16 Metal miinspection instruction and assessment of the technical condition of elements and systems of boilers, turbines and pipelines in TPP БДС EN 74-1 БДС EN 1251-2 БДС EN ISO 3183 БДС EN 12451 БДС EN 12452 БДС EN 12493 БДС EN 12972 БДС EN 12542 БДС EN 12952-5 БДС EN 12953-5 БДС EN 13121-3 БДС EN 13445-5 БДС EN 13458-2 БДС EN 14208 БДС EN 14893 БДС EN ISO 7866 БДС EN ISO 7866/A1
	Steel tanks, gas cylinders and transporTable gas cylinders, portable fire extinguishers up to 30 bar, Calibrated steel products, metallic and non-metallic products		Linear dimensions, diameters, roundness, deviations from geometric dimensions, verticality, linearity	БДС EN 598+A1 БДС EN 877	TC Metrology and measuring technology Volume 2 Section 6 – Item 6.1, Item 6.2, Item 6.3, Item 6.8, Item 6.9, Item 6.10, Item 6.12, Item 6.13, Item 6.14, Item 6.16 Metal miinspection instruction and assessment of the technical condition of elements and systems of boilers, turbines and pipelines in TPP БДС EN 3-8 БДС EN 39 БДС EN 74-2 БДС EN 598+A1 БДС EN 877 БДС EN 1090-2 БДС EN 1090-3 БДС EN 1442 БДС EN 10278 БДС EN 12257 БДС EN 12807 БДС EN 12810-1 БДС EN 12811-1 БДС EN 12811-4 БДС EN 12812 БДС EN 12862

Scope: flexible for part of scope *					
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
					БДС EN 13322-1 БДС EN 13322-2 БДС EN 13377 БДС EN 14015 БДС EN 14140 БДС EN 14638-1 БДС EN 14638-3 БДС EN 14889-1 БДС EN ISO 1402 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 11118 БДС EN ISO 11118/A1 БДС EN ISO 11120 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 13920 БДС EN ISO 16486-2 БДС EN ISO 16486-3 ISO 11119-1 ISO 11119-2 ISO 11119-3 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		TC Metrology and measuring technology Volume 2, Section 6- Item 6.1, Item 6.2, Item 6.3, Item 6.8, Item 6.9, Item 6.10, Item 6.12, Item 6.13, Item 6.14, Item 6.16 Metal miinspection instruction and assessment of the technical condition of elements and systems of boilers, turbines and pipelines in TPP БДС EN 13293 БДС EN 13480-4 БДС EN 13480-8 БДС EN 13530-2 БДС EN 14161+A1 БДС EN 14398-2+A2 БДС EN ISO 10462 БДС EN ISO 10462/A1 БДС EN ISO 13628-5 ISO 21029-1 ISO 21029-1/Amd 1
	Pressurized liquid, gas and powder product tanks, gas cylinders Cryogenic flexible hoses, unheated pressure vessels Disposable gas cartridges, valves and fittings for LPG tanks and transportable cylinders		Linear dimensions, diameters, deviations from geometrical dimensions		TC Metrology and measuring technology Volume 2, Section 6- Item 6.1, Item 6.2, Item 6.3, Item 6.8, Item 6.9, Item 6.10, Item 6.12, Item 6.13, Item 6.14, Item 6.16 Metal miinspection instruction and assessment of the technical condition of elements and systems of boilers, turbines and

Scope: flexible for part of scope *					
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
					pipelines in TPP, БДС EN 417 БДС EN 13175+A1 БДС EN 13445-5 БДС EN ISO 10297 БДС EN ISO 11117 БДС EN ISO 11118 БДС EN ISO 11118/A1 БДС EN ISO 14245 БДС EN ISO 15995 БДС EN ISO 18119 (БДС EN 1802) БДС EN ISO 18119/A1 БДС EN ISO 21012 ISO 1496-3
	Forgings		Linear and angle dimensions, diameters, deviations from geometrical dimensions, linearity		TC Metrology and measuring technology Volume 2, Section 6- Item 6.1, Item 6.2, Item 6.3, Item 6.8, Item 6.9, Item 6.10, Item 6.12, Item 6.13, Item 6.14, Item 6.16 Metal miinspection instruction and assessment of the technical condition of elements and systems of boilers, turbines and pipelines in TPP 12.1995 г. БДС EN 12420
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, 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 РПК HI-19-01 РПК HI-19-02 НУБЕТНСН, art. 183; art. 275; НУБЕНН, Chapter 2, Section VIII НУБЕПРГСИУПГ, Chapter 7, Annex № 2, Table 5, Annex №5 НУБЕТНГСИВВГ , Chapter 2, Section XII НУЕТНАУ, Chapter 5 ADR –Item Item 6.2.6.2; 6.7.2.19.3; 6.7.4.14.3, 6.8.3.4.12; 6.8.4 d RID -Item Item 6.2.6.2, 6.7.2.19.3; 6.7.4.14.3; 6.8.3.4.12; 6.8.4 d БДС 17111	НУБЕТНСН, art.23; art. 53; art. 183, art. 184 art. 267; art. 269; art. 271; art. 272; art. 275 НУБЕНН, art.57, art. 58 НУБЕПРГСИУПГ , art.172, art. 217, art.218; art. 222, art. 223, art. 224, art.230; art.231, art.232, art.235; art.237; art.243, art.359,art.363, art.365, art.366, art.368 НУБЕТНГСИВВГ, art.106, art.107 НУЕТНАУ, art.162; art.163; art.198 ADR- Item Item 6.2.1.5.1; Item 6.2.1.5.2; 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; Item 6.7.4.6; 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; Item 6.9.5; RID –Item Item 6.2.1.5.1; Item 6.2.1.5.2; 6.2.1.6.1; 6.2.3.4.1;

Scope: flexible for part of scope *					
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
	Plastics, plastic piping systems, plastic products. Products, made of non-metallic and metallic materials and their alloys, and permanent joints thereof			БДС EN 3-8 БДС EN 286-1 БДС EN 286-2 БДС EN 286-3 БДС EN 286-4 БДС EN 417 БДС EN 1251-2 БДС EN 1440+A2 БДС EN 1442 БДС EN 1474-2 БДС EN 1594 БДС EN 1626 БДС EN 1775 БДС EN 1779 БДС EN 1779/A1 БДС EN 1803 БДС EN 1968 БДС EN 10242 БДС EN 10275 БДС EN 10349 БДС EN 12007-1 БДС EN 12007-2 БДС EN 12007-3 БДС EN 12007-4 БДС EN 12007-5 БДС EN 12094-8 БДС EN 12186 БДС EN 12245 БДС EN 12252 БДС EN 12257 БДС EN 12263 БДС EN 12266-1 БДС EN 12266-2 БДС EN 12279+A1 БДС EN 12327 БДС EN 12451 БДС EN 12452 БДС EN 12493 БДС EN 12807 БДС EN 12817 БДС EN 12819 БДС EN 12862 БДС EN 12952-3 БДС EN 12952-6 БДС EN 12953-5 БДС EN 12972 БДС EN 13110 БДС EN 13121-3 БДС EN 13175+A1 БДС EN 13293 БДС EN 13322-1 БДС EN 13322-2 БДС EN 13371 БДС EN 13445-5 БДС EN 13445-6 БДС EN 13458-2 БДС EN 13480-2/A3 БДС EN 13480-5 БДС EN 13480-5/A1 БДС EN 13480-5/A2 БДС EN 13530-2 БДС EN 13648-1 БДС EN 13648-2 БДС EN 13807 БДС EN 13953 БДС EN 14015 БДС EN 14071+A1 БДС EN 14129 БДС EN 14140 БДС EN 14161+A1 БДС EN 14197-2 БДС EN 14208 БДС EN 14382	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; Item 6.7.4.6; 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; Item 6.9.5; ADN- част 6 (ADR- Item Item 6.2.1.5.1; Item 6.2.1.5.2; 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; Item 6.7.4.6; 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; Item 6.9.5) ТС БДС 7719 БДС 17111 БДС EN 3-8 БДС EN 3-10 БДС EN 286-1 БДС EN 286-2 БДС EN 286-3 БДС EN 286-4 БДС EN 417 БДС EN 1251-2 БДС EN 1440+A2 БДС EN 1442 БДС EN 1474-2 БДС EN 1594 БДС EN 1626 БДС EN 1775 БДС EN 10349 БДС EN 1803 БДС EN 1968 БДС EN 1968/A1 БДС EN 10216-1 БДС EN 10216-2+A1 БДС EN 10216-3 БДС EN 10216-4 БДС EN 10216-5 БДС EN 10217-1 БДС EN 10217-2 БДС EN 10217-3 БДС EN 10217-4 БДС EN 10217-5 БДС EN 10217-6 БДС EN 10217-7 БДС EN 10242 БДС EN 10275 БДС EN 12007-1 БДС EN 12007-2 БДС EN 12007-3 БДС EN 12007-4 БДС EN 12007-5 БДС EN 12094-8 БДС EN 12186 БДС EN 12245 БДС EN 12252 БДС EN 12257 БДС EN 12263 БДС EN 12266-1 БДС EN 12266-2

Scope: flexible for part of scope *					
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
				БДС EN 14398-2+A2 БДС EN 14427 БДС EN 14638-1 БДС EN 14638-3 БДС EN 14893 БДС EN 16728+A2 БДС EN ISO 1167-1 БДС EN ISO 1402 БДС EN ISO 3183 БДС EN ISO 3807 БДС EN ISO 4126-1 БДС EN ISO 4126-1/A1 БДС EN ISO 4126-1/A2 БДС EN ISO 7866 БДС EN ISO 7866/A1 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 10297 БДС EN ISO 10961 БДС EN ISO 11118 БДС EN ISO 11118/A1 БДС EN ISO 11120 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 11623 БДС EN ISO 13628-5 БДС EN ISO 14245 БДС EN ISO 15995 БДС EN ISO 16486-1 БДС EN ISO 16486-2 БДС EN ISO 16486-3 БДС EN ISO 16812 БДС EN ISO 17879 БДС EN ISO 18119 (БДС EN 1802) БДС EN ISO 18119/A1 БДС EN ISO 20475 (БДС EN 15888) БДС EN ISO 21012 БДС EN ISO 23088 (БДС EN 14876) ISO 1496-3 ISO 11119-1 ISO 11119-2 ISO 11119-3 ISO 11513 ISO 14313 ISO 21029-1 ISO 21029-1/Amd 1 СД CEN/TS 12007 ГОСТ Р 50.05.01 НП-089-15 ASTM E1003 ASME BPVC III Division 1 ASME BPVC IV ASME BPVC VIII Division 1 ASME BPVC VIII Division 2	БДС EN 12279+A1 БДС EN 12327 БДС EN 12451 БДС EN 12452 БДС EN 12493 БДС EN 12732 БДС EN 12807 БДС EN 12817 БДС EN 12819 БДС EN 12862 БДС EN 12952-3 БДС EN 12952-6 БДС EN 12953-5 БДС EN 12972 БДС EN 13110 БДС EN 13121-3 БДС EN 13175+A1 БДС EN 13293 БДС EN 13322-1 БДС EN 13322-2 БДС EN 13371 БДС EN 13445-5 БДС EN 13458-2 БДС EN 13480-5 БДС EN 13480-5/A1 БДС EN 13480-5/A2 БДС EN 13530-2 БДС EN 13648-1 БДС EN 13648-2 БДС EN 13807 БДС EN 13953 БДС EN 14015 БДС EN 14071+A1 БДС EN 14129 БДС EN 14140 БДС EN 14161+A1 БДС EN 14197-2 БДС EN 14208 БДС EN 14382 БДС EN 14398-2+A2 БДС EN 14427 БДС EN 14638-1 БДС EN 14638-3 БДС EN 14893 БДС EN 16728+A2 БДС EN ISO 1402 БДС EN ISO 3183 БДС EN ISO 3807 БДС EN ISO 4126-1 БДС EN ISO 4126-1/A1 БДС EN ISO 4126-1/A2 БДС EN ISO 7866 БДС EN ISO 7866/A1 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 10297 БДС EN ISO 10961 БДС EN ISO 11120 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 11623 БДС EN ISO 11118 БДС EN ISO 11118/A1 БДС EN ISO 13628-5 БДС EN ISO 14245 БДС EN ISO 15995 БДС EN ISO 16812 БДС EN ISO 17879 БДС EN ISO 18119

Scope: flexible for part of scope *					
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 BPVC VIII Division 3 ASME BPVC XI Division 1 ASME B 16.34 ASME B 31.1	(БДС EN 1802) БДС EN ISO 18119/A1 БДС EN ISO 20475 (БДС EN 15888) БДС EN ISO 21012 БДС EN ISO 23088 (БДС EN 14876) ISO 1496-3 ISO 11119-1 ISO 11119-2 ISO 11119-3 ISO 11513 ISO 14313 ISO 21029-1 ISO 21029-1/Amd 1 НП-084-15 НП-105-18 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 Division 1 ASME B 16.34 ASME B 31.1
			Volume expansion	БДС EN 1968 БДС EN 12807 БДС EN 12862 БДС EN 13322-1 БДС EN 14140 БДС EN ISO 1402 БДС EN ISO 7866 БДС EN ISO 7866/A1 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 11120 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 11623 БДС EN ISO 13628-5 БДС EN ISO 18119 (БДС EN 1802) БДС EN ISO 18119/A1 ISO 11119-1 ISO 11119-2 ISO 11119-3 ISO 11513	API 650 БДС EN 1968 БДС EN 12807 БДС EN 12862 БДС EN 13322-1 БДС EN 14140 БДС EN ISO 1402 БДС EN ISO 7866 БДС EN ISO 7866/A1 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 11120 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 11623 БДС EN ISO 13628-5 БДС EN ISO 18119 (БДС EN 1802) БДС EN ISO 18119/A1 ISO 11119-1 ISO 11119-2 ISO 11119-3 ISO 11513 TC
			Water capacity	БДС EN 12245 БДС EN 12257 БДС EN 12862 БДС EN 12972 БДС EN 13293 БДС EN 14208 БДС EN 14427 БДС EN 14638-3 БДС EN ISO 7866 БДС EN ISO 7866/A1 БДС EN ISO 9809-1 БДС EN ISO 9809-3	БДС EN 12245 БДС EN 12257 БДС EN 12972 БДС EN 12862 БДС EN 13293 БДС EN 14208 БДС EN 14427 БДС EN 14638-3 БДС EN ISO 7866

Scope: flexible for part of scope *					
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
				БДС EN ISO 11120 ISO 11119-1 ISO 11119-2 ISO 11119-3	БДС EN ISO 7866/A1 БДС EN ISO 9809-1 БДС EN ISO 9809-3 БДС EN ISO 11120 ISO 11119-1 ISO 11119-2 ISO 11119-3 ТС
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, gas equipment and installations, lifting equipment, material handling equipment, pressure vessels, pressure equipment and transportable pressure equipment 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	Pressure, location, dimensions, availability of crack, tearing or visible residual deformations, flaws	Pneumatic inspection method РПК PNI-19-03 РПК PNI-19-04 НУБЕТНСН , art.183; art. 184; art. 275 НУБЕНН , Chapter 2, Section VIII НУБЕПРГСИУПГ, Chapter 7, Annex № 2, Table 5, Annex №5 НУБЕТНГСИВВГ, Chapter 2, Section XII ADR- Item Item 6.7.3.14.3; 6.7.5.12.3; 6.8.3.4.12 RID - Item Item 6.7.3.14.3; 6.7.5.12.3; 6.8.3.4.12 БДС EN 286-1 БДС EN 286-2 БДС EN 286-3 БДС EN 286-4 БДС EN 1251-2 БДС EN 1440+A2 БДС EN 1442 БДС EN 1594 БДС EN 1626 БДС EN 1775 БДС EN 1803 БДС EN 1968 БДС EN 12007-1 БДС EN 12007-2 БДС EN 12007-3 БДС EN 12007-4 БДС EN 12007-5 БДС EN 12094-8 БДС EN 12186 БДС EN 12245 БДС EN 12266-1 БДС EN 12266-2 БДС EN 12327 БДС EN 12451 БДС EN 12452 БДС EN 12972 БДС EN 13110 БДС EN 13121-3 БДС EN 13175+A1 БДС EN 13322-1 БДС EN 13322-2 БДС EN 13371 БДС EN 13445-5 БДС EN 13445-8 БДС EN 13480-5 БДС EN 13480-5/A1 БДС EN 13480-5/A2 БДС EN 13648-1 БДС EN 13648-2 БДС EN 13807	НУБЕТНСН, art. 275 НУБЕНН, art. 58 НУБЕПРГСИУПГ, Chapter 7, art. 218; art.230; art.235; art.237 НУБЕТНГСИВВГ, art.107 ADR- Item Item 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 – Item Item 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 ADN– Part 6 (ADR- Item Item 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) ТС БДС EN 286-1 БДС EN 286-2 БДС EN 286-3 БДС EN 286-4 БДС EN 1251-2 БДС EN 1440+A2 БДС EN 1442 БДС EN 1594 БДС EN 1626 БДС EN 1775 БДС EN 1803 БДС EN 1968 БДС EN 12007-1 БДС EN 12007-2 БДС EN 12007-3 БДС EN 12007-4 БДС EN 12007-5 БДС EN 12094-8 БДС EN 12186 БДС EN 12245 БДС EN 12266-1 БДС EN 12266-2 БДС EN 12327 БДС EN 12451 БДС EN 12452 БДС EN 12972 БДС EN 13110 БДС EN 13121-3 БДС EN 13175+A1 БДС EN 13322-1 БДС EN 13322-2 БДС EN 13371 БДС EN 13445-5 БДС EN 13480-5

Scope: flexible for part of scope *					
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
				БДС EN 13953 БДС EN 14015 БДС EN 14140 БДС EN 14197-2 БДС EN 14208 БДС EN 14398-2+A2 БДС EN 14427 БДС EN 14638-1 БДС EN 14638-3 БДС EN 16728+A2 БДС EN ISO 4126-1 БДС EN ISO 4126-1/A1 БДС EN ISO 4126-1/A2 БДС EN ISO 9809-1 БДС EN ISO 11118 БДС EN ISO 11118/A1 БДС EN ISO 11623 БДС EN ISO 17871 БДС EN ISO 18119 (БДС EN 1802) БДС EN ISO 18119/A1 БДС EN ISO 20475 (БДС EN 15888) БДС EN ISO 21012 БДС EN ISO 23088 (БДС EN 14876) ISO 14313 ISO 21029-1 ISO 21029-1/Amd 1 СД CEN/TS 12007-6 ГОСТ Р 50.05.01 НП-089-15 ASME BPVC III Division ASME BPVC V Article 10 ASME BPVC XI Division 1 ASME B 31.3	БДС EN 13480-5/A1 БДС EN 13480-5/A2 БДС EN 13648-1 БДС EN 13648-2 БДС EN 13807 БДС EN 13953 БДС EN 14015 БДС EN 14140 БДС EN 14197-2 БДС EN 14208 БДС EN 14398-2+A2 БДС EN 14427 БДС EN 14638-1 БДС EN 14638-3 БДС EN 16728+A2 БДС EN ISO 4126-1 БДС EN ISO 4126-1/A1 БДС EN ISO 4126-1/A2 БДС EN ISO 9809-1 БДС EN ISO 11118 БДС EN ISO 11118/A1 БДС EN ISO 11623 БДС EN ISO 17871 БДС EN ISO 18119 (БДС EN 1802) БДС EN ISO 18119/A1 БДС EN ISO 20475 (БДС EN 15888) БДС EN ISO 21012 БДС EN ISO 23088 (БДС EN 14876) ISO 14313 ISO 21029-1 ISO 21029-1/Amd 1 НП-084-15 НП-105-18 ASME BPVC III Division 1 ASME BPVC VIII Division 1 ASME BPVC VIII Division 2 ASME BPVC XI Division 1 ASME B 31.3 API 650
16	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	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 РПК HDI-19-07 БДС EN 3-8 БДС EN 286-1 БДС EN 286-2 БДС EN 1442 БДС EN 1474-2 БДС EN 12245 БДС EN 12257 БДС EN 12263 БДС EN 12807 БДС EN 12862 БДС EN 13110 БДС EN 13293 БДС EN 13322-1 БДС EN 13322-2	ТС БДС EN 3-8 БДС EN 286-1 БДС EN 286-2 БДС EN 1442 БДС EN 1474-2 БДС EN 12245 БДС EN 12257 БДС EN 12263 БДС EN 12807 БДС EN 12862 БДС EN 13110 БДС EN 13293 БДС EN 13322-1 БДС EN 13322-2 БДС EN 13648-2 БДС EN 13807 БДС EN 14140

Scope: flexible for part of scope *					
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
	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. Plastics.			БДС EN 13445-6 БДС EN 13648-2 БДС EN 13807 БДС EN 14140 БДС EN 14208 БДС EN 14427 БДС EN 14638-1 БДС EN 14638-3 БДС EN 14893 БДС EN ISO 1402 БДС EN ISO 4126-2 БДС EN ISO 7866 БДС EN ISO 7866/A1 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 11118 БДС EN ISO 11118/ A1 БДС EN ISO 11439 БДС EN ISO 11439/ A1 БДС EN ISO 13628-5 БДС EN ISO 21012 БДС EN ISO 23826 ISO 11119-1 ISO 11119-2 ISO 11119-3 ISO 11513	БДС EN 14208 БДС EN 14427 БДС EN 14638-1 БДС EN 14638-3 БДС EN 14893 БДС EN ISO 1402 БДС EN ISO 4126-2 БДС EN ISO 7866 БДС EN ISO 7866/A1 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 11118 БДС EN ISO 11118/A1 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 13628-5 БДС EN ISO 21012 БДС EN ISO 23826 ISO 11119-1 ISO 11119-2 ISO 11119-3 ISO 11513
17	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. Plastics, plastic piping systems, plastic products.	Of new and/or in service/ operation objects/ equipment/ product	Degree of tightness, presence and location of through discontinuities leaks	Leak tightness Inspection РПК LT-19-05 РПК LT-19-06 НУБЕНН, art.59 to art.61 НУБЕПРГСИУПГ , art.216 e; art. 217; art. 223; art.224; art.225; art. 227; art.231; art.232; art.234; art.236;art.237; art.239; art.240;art.241; art.242; art.243 НУБЕТНГСИВВГ, art.5; art.106; art.108; art.109; art.111; art.112 НУЕТНАУ, art.160; art.163; art.164; art.198 ADR-Item Item6.8.3.4.9; 6.8.3.4.11; 6.8.3.4.13 RID–Item Item6.8.3.4.9; 6.8.3.4.11; 6.8.3.4.13 БДС 7719 БДС 17111 БДС EN 334 БДС EN 417 БДС EN 598+A1 БДС EN 877 БДС EN 1251-2 БДС EN 1440+A2	НУБЕТНСнН,art.183,art.184,art. 275 НУБЕНН , art.57 to art. 61 НУБЕПРГСИУПГ, art.172; art. 217; art.222; art.223; art.224; art.226; art.230; art.231; art.232; art.234; art.237; art.239; art.240; art.242; art.243; art.359; art.363; art.365; art.366; art.368; Annex №5 НУБЕТНГСИВВГ, art.5; art.106; art.108; art.109; art.111; art.112 НУЕТНАУ; art.160; art.163; art.164; art.198 ADR- Item Item 6.2.1.5.2; 6.2.1.5.3; 6.2.6.2, Item 6.2.6.3; 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; 6.9.5 RID– Item Item 6.2.1.5.2; 6.2.1.5.3; 6.2.6.2, Item 6.2.6.3; 6.7.2.19.3; 6.7.2.19.4; 6.7.2.19.5; 6.7.3.15.3;

Scope: flexible for part of scope *					
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
				БДС EN 1593 БДС EN 1593/A1 БДС EN 1626 БДС EN 1775 БДС EN 1779 БДС EN 1779/A1 БДС EN 10349 БДС EN 12007-1 БДС EN 12007-2 БДС EN 12007-3 БДС EN 12007-4 БДС EN 12007-5 БДС EN 12186 БДС EN 12245 БДС EN 12252 БДС EN 12263 БДС EN 12266-1 БДС EN 12266-2 БДС EN 12279+A1 БДС EN 12327 БДС EN 12972 БДС EN 13121-3 БДС EN 13175+A1 БДС EN 13184 БДС EN 13293 БДС EN 13317 БДС EN 13322-1 БДС EN 13322-2 БДС EN 13371 БДС EN 13445-5 БДС EN 13445-6 БДС EN 13480-5 БДС EN 13480-5/A1 БДС EN 13480-5/A2 БДС EN 13530-2 БДС EN 13648-2 БДС EN 13807 БДС EN 13953 БДС EN 14015 БДС EN 14071+A1 БДС EN 14129 БДС EN 14161+A1 БДС EN 14197-2 БДС EN 14208 БДС EN 14382 БДС EN 14398-2+A2 БДС EN 14427 БДС EN 14595 БДС EN 14638-1 БДС EN 14638-3 БДС EN 14893 БДС EN 14912 БДС EN 16728+A2 БДС EN ISO 1402 БДС EN ISO 4126-1 БДС EN ISO 4126-1/A1 БДС EN ISO 4126-1/A2 БДС EN ISO 4126-2 БДС EN ISO 7866 БДС EN ISO 7866/A1 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 10297 БДС EN ISO 10462 БДС EN ISO 10462/A1 БДС EN ISO 10961 БДС EN ISO 11118 БДС EN ISO	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; 6.9.5 ADN – Part 6 (ADR- Item Item 6.2.1.5.2; 6.2.1.5.3; 6.2.6.2, Item 6.2.6.3; 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); 6.9.5 TC БДС EN 3-10 БДС EN 334 БДС EN 417 БДС EN 598+A1 БДС EN 877 БДС EN 1251-2 БДС EN 1440+A2 БДС EN 1593 БДС EN 1593/A1 БДС EN 1626 БДС EN 1775 БДС EN 1968 БДС EN 1968/A1 БДС EN 10349 БДС EN 1439 БДС EN 10216-1 БДС EN 10216-2+A1 БДС EN 10216-3 БДС EN 10216-4 БДС EN 10216-5 БДС EN 10217-1 БДС EN 10217-2 БДС EN 10217-3 БДС EN 10217-4 БДС EN 10217-5 БДС EN 10217-6 БДС EN 10217-7 БДС EN 12007-1 БДС EN 12007-2 БДС EN 12007-3 БДС EN 12007-4 БДС EN 12007-5 БДС EN 12186 БДС EN 12245 БДС EN 12252 БДС EN 12263 БДС EN 12266-1 БДС EN 12266-2 БДС EN 12279+A1 БДС EN 12327 БДС EN 12732 БДС EN 12952-6 БДС EN 12953-5 БДС EN 12972 БДС EN 13121-3 БДС EN 13175+A1 БДС EN 13184 БДС EN 13293 БДС EN 13317 БДС EN 13322-1

Scope: flexible for part of scope *					
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
				11118/A1 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 13259 БДС EN ISO 13628-5 БДС EN ISO 14245 БДС EN ISO 14246 БДС EN ISO 15995 БДС EN ISO 16812 БДС EN ISO 17871 БДС EN ISO 21012 БДС EN ISO 21029-2 БДС EN ISO 23088 (БДС EN 14876) БДС EN ISO 23826 ISO 11119-3 ISO 11513 ISO 21029-1 ISO 21029-1/Amd 1 ГОСТ Р 50.05.01 НП-089-15 ASTM E515 ASTM E1002 ASME BPVC III Division 2 ASME BPVC V Article 10 ASME BPVC XI Division 1 ASME B 31.1 ASME B 31.3 API 650	БДС EN 13322-2 БДС EN 13371 БДС EN 13445-5 БДС EN 13480-5 БДС EN 13480-5/A1 БДС EN 13480-5/A2 БДС EN 13530-2 БДС EN 13648-2 БДС EN 13807 БДС EN 13953 БДС EN 14015 БДС EN 14071+A1 БДС EN 14129 БДС EN 14161+A1 БДС EN 14197-2 БДС EN 14208 БДС EN 14382 БДС EN 14398-2+A2 БДС EN 14427 БДС EN 14595 БДС EN 14638-1 БДС EN 14638-3 БДС EN 14893 БДС EN 14912 БДС EN 16728+A2 БДС EN ISO 1402 БДС EN ISO 3183 БДС EN ISO 4126-1 БДС EN ISO 4126-1/A1 БДС EN ISO 4126-1/A2 БДС EN ISO 4126-2 БДС EN ISO 7866 БДС EN ISO 7866/A1 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 10297 БДС EN ISO 10462 БДС EN ISO 10462/A1 БДС EN ISO 10961 БДС EN ISO 11118 БДС EN ISO 11118/A1 БДС EN ISO 11120 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 13259 БДС EN ISO 13628-5 БДС EN ISO 14245 БДС EN ISO 14246 БДС EN ISO 15995 БДС EN ISO 16812 БДС EN ISO 17871 БДС EN ISO 21012 БДС EN ISO 21029-2 БДС EN ISO 23088 (БДС EN 14876) БДС EN ISO 23826 ISO 11119-3 ISO 11513 ISO 21029-1 ISO 21029-1/Amd 1 НП-084-15 НП-105-18 ASME BPVC III Division 1 ASME BPVC III Division 2

Scope: flexible for part of scope *					
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 BPVC VIII Division 2 ASME BPVC XI Division 1 ASME B 31.1 ASME B 31.3 API 650
18	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	Inspection method – cyclic pressure РПК CLI-21-01 БДС EN 1442 БДС EN 12245 БДС EN 12257 БДС EN 12807 БДС EN 12862 БДС EN 13110 БДС EN 13293 БДС EN 13322-1 БДС EN 13322-2 БДС EN 13445-6 БДС EN 13953 БДС EN 14140 БДС EN 14208 БДС EN 14427 БДС EN 14638-1 БДС EN 14638-3 БДС EN 14893 БДС EN ISO 7866 БДС EN ISO 7866/A1 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 11623 БДС EN ISO 17879 БДС EN ISO 17871 ISO 11119-1 ISO 11119-2 ISO 11119-3 ISO 11513 ISO 21029-1 ISO 21029-1/Amd 1	TS БДС EN 1442 БДС EN 12245 БДС EN 12257 БДС EN 12807 БДС EN 12862 БДС EN 13110 БДС EN 13293 БДС EN 13322-1 БДС EN 13322-2 БДС EN 13953 БДС EN 14140 БДС EN 14208 БДС EN 14427 БДС EN 14628-1 БДС EN 14638-1 БДС EN 14638-3 БДС EN 14893 БДС EN ISO 7866 БДС EN ISO 11439 БДС EN ISO 7866/A1 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 11439/A1 БДС EN ISO 11623 БДС EN ISO 17879 БДС EN ISO 17871 ISO 11119-1 ISO 11119-2 ISO 11119-3 ISO 11513 ISO 21029-1 ISO 21029-1/Amd 1
	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 РПК CLI-21-01 БДС EN 1474-2 БДС EN 13371 БДС EN ISO 13628-5 БДС EN ISO 21012	TS БДС EN 1474-2 БДС EN 13371 БДС EN ISO 13628-5 БДС EN ISO 21012
			Pressure, number and frequency of cycles, torque, leaks	Inspection method - cyclic pressure reading the number of opening and closing cycles while applying high pressure РПК CLI-21-01 БДС EN 1626 БДС EN 12263 БДС EN 13175+A1 БДС EN ISO 14245 БДС EN ISO 15995	Technical specification БДС EN 1626 БДС EN 12263 БДС EN 13175+A1 БДС EN ISO 14245 БДС EN ISO 15995

Scope: flexible for part of scope *					
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
19	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 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	location of discontinuities, residual resource	Acoustic emission inspection РПК АЕ-41-01 БДС EN 12817 БДС EN 12819 БДС EN 13445-5 БДС EN 13554 БДС EN 14584 БДС EN 15495 БДС EN 15856 БДС EN 15857 БДС EN 17391 БДС EN ISO 16148 БДС EN ISO 16148/A1 ISO 16836 ISO 16837 ISO 16838 ISO 18081 ISO 18249 ISO 19835 ASME BPVC V Article 11,12,13,29 ASME BPVC XI Division 1 ASTM E1067/E1067M ASTM E1139/E1139M ASTM E1211/E1211M ASTM E1419/E1419M ANSI/API 510	Technical specification БДС EN 13445-5 БДС EN 15857 БДС EN 17391 БДС EN ISO 16148 БДС EN ISO 16148/A1 ISO 18249 ASME BPVC XI Division 1 ANSI/API 510
20	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	Holiday inspection of insulating coating РПК SPI-20-01 РПК SPI-20-02 БДС 15705 БДС 15705/amd1 БДС EN 13100-4 БДС EN 14628-1 БДС EN ISO 18797-2 БДС EN ISO 21809-3 БДС EN ISO 29601 ASTM D149 ASTM D4787	НУБЕПРГСИУПГ, art.21; art. 22; art.23; art.98; art.131; art.132; art.216 НУБЕНН, art. 18; art.19; art.32 НАРЕДБА № 6, art.57 and art.58 ПИПМТ, МССУ ИЕРМРСН, ДА "ДР и ВВЗ" ИКМ в ТЕЦ, НЕК НЕРМР,"ЛНБ" ИПЕРБРСТТ, „ЛНБ" СС за СВЦР, КТСУ-МС ИИиМ на СВЦР, НЕК ИПЕР на СВЦР, НЕК

Scope: flexible for part of scope *					
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
				ASTM D5162 ASTM G62	TC БДС 15705 БДС 15705/amd1 БДС EN 12972 БДС EN 14161+A1 БДС EN 14628-1 БДС EN ISO 18797-2
21	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 -	Corrosion inspection (pitting) РПК CI-39-01 БДС EN ISO 11463	БДС EN 1439 БДС EN ISO 11463 TC
22	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 equipment, pressure vessels, transportable pressure equipment; Castings and forgings Products made of non-metallic and metallic materials and their alloys, and permanent	Of new and/or in service/ operation objects/ equipment/ products	Size and orientation of mechanical stresses, residual resource	Inspection of mechanical stresses РПК RSA-42-01 ASTM E837	Technical specification

Scope: flexible for part of scope *					
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
	joints thereof				
23	Elements and systems within the boiler: -drums -collectors, heating surfaces; -pipes, elbows, tees, transitions, welded joints, suspension.	Periodic Products and facilities in operation	Residual life assessment	Residual life assessment (Fitness-For-Service) РПК FIS-43-01 ИКМ в ТЕЦ/1996, НЕК1	ИКМ в ТЕЦ/1996, НЕК1 БДС EN 12952-4 БДС EN 13480-3 БДС EN 13480-3/A4 БДС EN 13480-3/A2 БДС EN 13480-3/A3 БДС EN 13445-2 БДС EN 13445-3 БДС EN 14015 РД 10 577-03- Item 6 РД 34.17.310-96- Item 14 РД 34.17.428-90- Item 3 РД 34.17.435-95- Item 5 РД 34.17.436-92- Item 3, Item 5 РД 34.17.440-96- Item 6 РД 34.17.452-98- Item 6, Item 7 РД 153-34.1-17.467-2001- Item 8 СО 153-34.17.439- Item 5; Item 6 СО 153-34.17.440- Item 4, Item 6 СО 153-34.17.442- Item 5.3 СО 153-34.17.448- Item 3, Item 5 СО 153-34.17.464- Item 5, Item 6 СО 153-34.17.469- Item 5, Item 6 СО 153-34.17.470- Item 6.5, Item 8, Item 9 СТО 17230282.17.100.005- Item 7, Item 8 ОСТ 108.020.109-82- Item 4 VGB-S-517-00 BS 7910 ASME BPVC XI Division 1 API 510/Add.2 API 570 API 579-1/ASME FFS-1 API 653/Add.1/Add.2 API RP 572 API RP 574 ТС
	Elements and systems within the turbine: - housings of shut-off and regulating valves; - turbine housings; -turbine rotors; -heater housings; - pipelines - elbows, tees, transitions, welded joints, suspension. Station pipelines - elbows, tees, transitions, welded joints, suspension		By computational methods of inspection	БДС EN 1473 БДС EN 12952-2 БДС EN 12952-3 БДС EN 12952-4 БДС EN 12953-2 БДС EN 12953-3 БДС EN 13480-2 БДС EN 13480-3/A4 БДС EN 13480-3/A2 БДС EN 13480-3/A3 БДС EN 13445-2 БДС EN 13445-3 БДС EN 13445-6 БДС EN 14015 РД ЭО 185-00 РД 10-577-03 РД 34.17.428-90 РД 34.17.435-95 РД 34.17.436-92 РД 34.17.440-96 РД 153-34.1-17.458-98 РД 153-112-017-97 СО 153-34.17.421 СО 153-34.17.439 СО 153-34.17.440 СО 153-34.17.442 СО 153-34.17.452 СО 153-34.17.464 СО 153-34.17.469 СО 153-34.17.470 СТО 17230282.17.100.005 ГОСТ 1497 ГОСТ 9651 ПНАЭ-Г-7-002-86 BS 7910 ASME BPVC XI Division 1 API 510:2014/Add.1/Add.2 API 570 API 579-1/ASME FFS-1 API 653/Add.1/Add.2 API RP 572 API RP 574	
	Station pipelines - elbows, tees, transitions, welded joints, suspension				
	Pressure equipment. Product storage tanks.				
	Products made of metallic materials and their alloys, as well as non-removable compounds thereof				
24	Welded metallic joints and base metal of pressure vessels, pressure equipment and transportable	Of new and/or in service/ operation objects/ equipment/ products	Hardness	Inspection to Vickers (HV), Brinell (HBW), Rockwell (HR) Shore A, Shore D, Leeb (HL), Knoop (HK)	ТС РД 153-34.1-003 (РТМ-1с), Chapter 18.4 and Table 18.3 НУБЕНПНПП- Article 25

Scope: flexible for part of scope *					
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 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 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. Plastics and ebonite. Vulcanizate			РПК НТ-06-03 БДС EN 1561 БДС EN 1562 БДС EN 1563 БДС EN 1564 БДС EN 10349 БДС EN 13445-5 БДС EN ISO 868 БДС EN ISO 898-1 БДС EN ISO 898-5 БДС EN ISO 4545-1 БДС EN ISO 6507-1 БДС EN ISO 6508-1 БДС EN ISO 9015-1 БДС EN ISO 9015-2 БДС EN ISO 15156-2 БДС EN ISO 16859-1 БДС EN ISO 18265 БДС EN ISO 22826 БДС ISO 48-4 БДС ISO 48-5 ISO 6506-1 ISO 13521 ASTM A370 ASTM A956/A965M ASTM D785 ASTM D2240 ASTM E10 ASTM E18 ASTM E92 ASTM E103 ASTM E110 ASTM E140 ASTM E384 ASTM F606/F606M	ПИПМТ, МССУ ИЕРМРСН, ДА "ДР и ВВЗ" ИКМ в ТЕЦ, NEK НЕРМР, "LNB" ИПЕРБРСТТ, „LNB" СС за СВЦР, КТСУ-МС ИИиМ на СВЦР, NEK ИПЕР на СВЦР, NEK; БДС EN 3-10 БДС EN 286-1 БДС EN 286-2 БДС EN 286-3 БДС EN 286-4 БДС EN 286-1/A1 БДС EN 286-1/A2 БДС EN 286-1/AC БДС EN 286-2/AC БДС EN 485-2+A1 БДС EN 586-2 БДС EN 598+A1 БДС EN 754-2 БДС EN 755-2 БДС EN 877 БДС EN 1090-1+A1 БДС EN 1090-1+A1/NA БДС EN 1090-2 БДС EN 1090-3 БДС EN 1561 БДС EN 1562 БДС EN 1563 БДС EN 1564 БДС EN 1775 БДС EN 1968/A1 БДС EN ISO 7866 БДС EN ISO 7866/A1 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN 10025-2 БДС EN 10025-3 БДС EN 10025-4+A1 БДС EN 10025-5 БДС EN 10025-6+A1 БДС EN 10028-2 БДС EN 10028-3 БДС EN 10028-4 БДС EN 10028-5 БДС EN 10028-6 БДС EN 10216-1 БДС EN 10216-2+A1 БДС EN 10216-3 БДС EN 10216-4 БДС EN 10216-5 БДС EN 10217-1 БДС EN 10217-2 БДС EN 10217-3 БДС EN 10217-4 БДС EN 10217-5 БДС EN 10217-6 БДС EN 10217-7 БДС EN 10349 БДС EN 12451 БДС EN 12452 БДС EN 12732 БДС EN 12952-6 БДС EN 12953-5 БДС EN 12972 БДС EN 13322-2 БДС EN 13322-2/A1 БДС EN 13445-4

Scope: flexible for part of scope *					
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
					БДС EN 13445-5 БДС EN 13480-2 БДС EN 13480-2/A7 БДС EN 13480-5 БДС EN 13480-5/A1 БДС EN 13480-5/A2 БДС EN 13807 БДС EN 14015 БДС EN ISO 683-1 БДС EN ISO 683-2 БДС EN ISO 683-3 БДС EN ISO 683-4 БДС EN ISO 683-5 БДС EN ISO 3183 БДС EN ISO 10961 БДС EN ISO 11120 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 13628-5 БДС EN ISO 15156-2 БДС EN ISO 15614-1/A1 БДС EN ISO 15614-7 БДС EN ISO 15614-8 БДС EN ISO 15614-12 БДС EN ISO 15614-13 БДС EN ISO 18119 (БДС EN 1802) БДС EN ISO 18119/A1 БДС EN ISO 23088 (БДС EN 14876) БДС ISO 48-5 ISO 185 ISO 11119-1 ISO 11119-2 ISO 11119-3 ISO 11513 ISO 13521 ASME BPVC VIII Division 3 ASME BPVC IX Stahlschlüssel
25	Products, made of non-metallic and metallic materials and their alloys, and permanent joints thereof	On new and in use /operation equipments/ products	Mechanical properties	Common methods of inspection РПК МЕСН-45-01 БДС EN 74-2 БДС EN 74-3 БДС EN 1474-2 БДС EN 12797 БДС EN 12797/A1 БДС EN 12810-1 БДС EN 12810-2 БДС EN 12811-1 БДС EN 12813 БДС EN ISO 15630-1 БДС EN ISO 15630-2 БДС EN ISO 15630-3 БДС EN ISO 16486-2 БДС EN ISO 16486-3	Stahlschlüssel ПИПМТ, МССУ ИЕРМРСН, ДА "ДР и ВВЗ" ИКМ в ТЕЦ, NEK НЕРМР, "LNB" ИПЕРБРСТТ, „LNB" СС за СВЦР, КТСУ-МС, ИИиМ на СВЦР, NEK ИПЕР на СВЦР, NEK БДС 4758 БДС 9252 БДС EN 3-10 БДС EN 39 БДС EN 74-1 БДС EN 74-2 БДС EN 74-3 БДС EN 286-1 БДС EN 286-2 БДС EN 286-3 БДС EN 286-4 БДС EN 286-1/A1 БДС EN 286-1/A2

Scope: flexible for part of scope *					
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
					БДС EN 286-1/AC БДС EN 286-2/AC БДС EN 1090-1+A1 БДС EN 1090-1+A1/NA БДС EN 1090-2 БДС EN 1090-3 БДС EN 1474-2 БДС EN 1775 БДС EN 1968 БДС EN 1968/A1 БДС EN 10088-1 БДС EN 10088-2 БДС EN 10088-3 БДС EN 10088-4 БДС EN 10088-5 БДС EN 10164 БДС EN 10216-1 БДС EN 10216-2+A1 БДС EN 10216-3 БДС EN 10216-4 БДС EN 10216-5 БДС EN 10217-1 БДС EN 10217-2 БДС EN 10217-3 БДС EN 10217-4 БДС EN 10217-5 БДС EN 10217-6 БДС EN 10217-7 БДС EN 12732 БДС EN 12810-1 БДС EN 12810-2 БДС EN 12811-1 БДС EN 12814-8 БДС EN 12952-6 БДС EN 12953-5 БДС EN 12972 БДС EN 13261 БДС EN 13262 БДС EN 13445-5 БДС EN 13480-5 БДС EN 13480-5/A1 БДС EN 13480-5/A2 БДС EN 13807 БДС EN 14015 БДС EN 14628-1 БДС EN ISO 898-1 БДС EN ISO 898-2 БДС EN ISO 3183 БДС EN ISO 9809-1 БДС EN ISO 9809-2 БДС EN ISO 9809-3 БДС EN ISO 10961 БДС EN ISO 11120 БДС EN ISO 11439 БДС EN ISO 11439/A1 БДС EN ISO 15614-1/A1 БДС EN ISO 15614-2 БДС EN ISO 15614-3 БДС EN ISO 15614-5 БДС EN ISO 15614-6 БДС EN ISO 15614-8 БДС EN ISO 15614-12 БДС EN ISO 15614-13 БДС EN ISO 18797-2 БДС EN ISO 21028-1 БДС EN ISO 21028-2 БДС EN ISO 23088 (БДС EN 14876) ISO 21029-1

Scope: flexible for part of scope *					
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
					ISO 21029-1/Amd 1 TC ADR-- Item 6.7.3.15.3, Item 6.7.3.15.4, Item 6.7.4.14.3, Item 6.7.4.14.4, Item 6.8.5, Item 6.8.3.4.1, Item 6.8.3.4.15 Item 6.9.5; Item 6.2.1.5.1, RID- - Item 6.7.3.15.3, Item 6.7.3.15.4, Item 6.7.4.14.3, Item 6.7.4.14.4, Item 6.8.5, Item 6.8.3.4.1, Item 6.8.3.4.15 Item 6.9.5; Item 6.2.1.5.1, ADN- Item 6.7.3.15.3, Item 6.7.3.15.4, Item 6.7.4.14.3, Item 6.7.4.14.4, Item 6.8.5, Item 6.8.3.4.1, Item 6.8.3.4.15 Item 6.2.1.5.1, Item 6.9.5;
26	Products, made of non-metallic and metallic materials and their alloys, and permanent joints thereof	On new and in use /operation equipments/ products	Tensile strength; yield strength, elongation and shrinkage after failure; relative total elongation at maximum force, maximum ultimate load, width of the destroyed surface, type of imperfections, tear strength, adhesion; yield stress, stress at failure, elongation at failure	Tensile inspection РПК MECH-45-01 БДС EN 877 БДС EN 1561 БДС EN 1562 БДС EN 1563 БДС EN 1564 БДС EN 12814-2 БДС EN 12814-3 БДС EN 12814-4 БДС EN 12814-6 БДС EN 12814-7 БДС EN 13155 БДС EN 14628-1 БДС EN ISO 527-1 БДС EN ISO 898-1 БДС EN ISO 898-2 БДС EN ISO 4136 БДС EN ISO 4624 БДС EN ISO 5178 БДС EN ISO 6259-1 БДС EN ISO 6259-2 БДС EN ISO 6259-3 БДС EN ISO 6892-1 БДС EN ISO 6892-2 БДС EN ISO 6892-3 БДС EN ISO 8496 БДС EN ISO 9018 БДС EN ISO 10275 БДС EN ISO 11403-1 БДС EN ISO 15792-1 БДС EN ISO 15792-2 БДС EN ISO 20753 БДС EN ISO 21809-3 БДС ISO 34-1 БДС ISO 37 ISO 13953 ASTM A370	Spectro Metal Database Stahlschlüssel БДС EN 39 БДС EN 74-1 БДС EN 485-2+A1 БДС EN 586-2 БДС EN 598+A1 БДС EN 754-2 БДС EN 755-2 БДС EN 877 БДС EN 1090-2 БДС EN 1090-3 БДС EN 1561 БДС EN 1562 БДС EN 1563 БДС EN 1564 БДС EN 1993-1-1 БДС EN 1993-1-1/NA БДС EN 1993-1-1/A1 БДС EN 1993-1-1/AC БДС EN 1999-1-1 БДС EN 1999-1-1/A1 БДС EN 1999-1-1/NA БДС EN 1999-1-1/A2 БДС EN 1999-1-4 БДС EN 1999-1-4/A1 БДС EN 1999-1-4/NA БДС EN 10164 БДС EN 10222-2+A1 БДС EN 10222-4+A1 БДС EN 10283 БДС EN 10346 БДС EN 12493 БДС EN 12810-1 БДС EN 12811-1 БДС EN 12811-2 БДС EN 12814-8 БДС EN 13067 БДС EN 13155 БДС EN 13261 БДС EN 13262 БДС EN 13377

Scope: flexible for part of scope *					
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
				ASTM B557 ASTM E8/E8M ASTM F606/F606M ASME BPVC IX	БДС EN 13445-4 БДС EN 13480-2/A3 БДС EN 14628-1 БДС EN 14889-1 БДС EN 16851+A1 БДС EN ISO 898-1 БДС EN ISO 898-2 БДС EN ISO 6259-2 БДС EN ISO 6259-3 БДС EN ISO 11403-1 БДС EN ISO 15614-1/A1 БДС EN ISO 15614-2 БДС EN ISO 15614-3 БДС EN ISO 15614-5 БДС EN ISO 15614-6 БДС EN ISO 15614-8 БДС EN ISO 15614-11 БДС EN ISO 15614-12 БДС EN ISO 15614-13 БДС EN ISO 18595 БДС EN ISO 18797-2 ISO 185 ASME BPVC IX ASME B 31.3 TS
			Compressive/breaking strength, yield strength, relative shortening, relative expansion, stiffness, spring constant	Compresion inspection РПК MECH-45-01 БДС 9440 БДС EN 877 БДС EN ISO 898-1 БДС EN ISO 898-2 БДС EN ISO 8492 БДС EN ISO 8493 БДС EN ISO 8494 БДС EN ISO 8495 БДС EN ISO 21809-3 БДС EN IEC 61631 ASTM F606/F606M	БДС EN 39 БДС EN 877 БДС EN 10025-2 БДС EN 10025-3 БДС EN 10025-4+A1 БДС EN 10025-5 БДС EN 10025-6+A1 БДС EN 10028-2 БДС EN 10028-3 БДС EN 10028-4 БДС EN 10028-5 БДС EN 10028-6 БДС EN 13155 БДС EN 15011 БДС EN ISO 683-1 БДС EN ISO 683-2 БДС EN ISO 683-3 БДС EN ISO 683-4 БДС EN ISO 683-5 БДС EN ISO 18797-2 БДС EN ISO 21809-3 БДС EN IEC 61631 TS
27	Products, made of non-metallic and metallic materials and their alloys, and permanent joints thereof	On new and in use /operation equipments/ products	Shear strength. Types, sizes and distribution of imperfections contained in the volume of the seam by means of destruction inspection	Shear ispection, destruction РПК MECH-45-01 БДС 6372 БДС EN ISO 9017 БДС EN ISO 17637 ASME BPVC V Subsection A, Article 9 ASME BPVC IX	БДС EN 1562 БДС EN 1563 БДС EN 1564 БДС EN ISO 5817 БДС EN ISO 9606-1 БДС EN ISO 10042 ASME BPVC IX TS

Scope: flexible for part of scope *					
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
			Bend angle, bend radius, presence of cracks, visible signs of damage, number of bends	Bending РПК MECH-45-01 БДС 1084 БДС EN 10349 БДС EN 12094-8 БДС EN 12814-6 БДС EN 13523-7 БДС EN ISO 178 БДС EN ISO 5173 БДС EN ISO 7438 БДС EN ISO 7799 БДС EN ISO 8491 ISO 13521 ASTM E190 ASTM E290 ASME BPVC IX	БДС EN 74-1 БДС EN 1090-3 БДС EN 10349 БДС EN 12094-8 БДС EN 12814-8 БДС EN 13067 БДС EN 13377 БДС EN 13445-4 БДС EN ISO 178 БДС EN ISO 5173 БДС EN ISO 7438 БДС EN ISO 8491 БДС EN ISO 9606-1 БДС EN ISO 15614-1/A1 БДС EN ISO 15614-2 БДС EN ISO 15614-5 БДС EN ISO 15614-6 БДС EN ISO 15614-7 БДС EN ISO 15614-8 БДС EN ISO 15614-11 БДС EN ISO 15614-13 ISO 13521 ASME BPVC IX TS
			Absorbed energy, impact work, force, displacement, impact toughness, type and dimensions of imperfections, location and type of failure, type of force-displacement curve	Impact bending / impact toughness inspection, -at room temperature, -at zero and negative temperatures РПК MECH-45-01 БДС 12114 БДС EN 1564 БДС EN 12493 БДС EN ISO 148-1 БДС EN ISO 179-1 БДС EN ISO 179-2 БДС EN ISO 9016 БДС EN ISO 11403-1 БДС EN ISO 14556 ASTM A370 ASTM A923, Test method B ASTM E23 ASTM E2248 ASME BPVC IX ASME B 31.3	БДС EN 1090-2 БДС EN 1564 БДС EN 1993-1-1 БДС EN 1993-1-1/NA БДС EN 1993-1-1/A1 БДС EN 1993-1-1/AC БДС EN 10222-2+A1 БДС EN 10222-4+A1 БДС EN 12493 БДС EN 13445-4 БДС EN 13480-2/A3 БДС EN ISO 180 БДС EN ISO 11403-1 БДС EN ISO 15614-1/A1 БДС EN ISO 15614-11 БДС EN ISO 16486-1 ASME B 31.3 TS
			Angular strain modulus, relative slip, proportionality limit,, conditional yield strength, actual and conditional tensile strength, fracture surface, presence of cracks and number of twists, degree of twist, torque - maximum/ until failure	Twist inspection РПК MECH-45-01 БДС 1196 БДС 5029 БДС EN ISO 23826 ASTM E143	БДС EN ISO 23826 ASME BPVC IX TS

Scope: flexible for part of scope *					
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	Products, made of non-metallic and metallic materials and their alloys, and permanent joints thereof	On new and in use /operation equipments/ products	Zero plasticity transition temperature, presence of cracks, impact strength	Drop weight test РПК MECH-45-01 БДС EN 14628-1 БДС EN ISO 21809-3 ASTM E208 ASME BPVC IX	БДС EN 14628-1 БДС EN ISO 18797-2 ASTM E208 ASME BPVC IX TS
29	Products, made of metallic materials and their alloys, and permanent joints thereof	On new and in use /operation equipments/ products	Ferrite content	Ferrite content inspection РПК FER-49-01 БДС EN ISO 8249 AWS A4.2M	БДС EN 10349 ISO 15510 TS
30	Products, made of metallic materials and their alloys, and permanent joints thereof	On new and in use /operation equipments/ products	Roughness	Roughness inspection РПК RGN-50-01 БДС 782 БДС EN 10049 БДС EN 13445-6 БДС EN ISO 4521 БДС EN ISO 8503-2 БДС EN ISO 8503-4 БДС EN ISO 13565-1 БДС EN ISO 21920-2 БДС EN ISO 21920-3 БДС EN ISO 27874 DIN 4776 JIS B 0601 ASTM D4417	БДС EN 1370 БДС EN 10305-1 БДС EN 10305-2 БДС EN 10305-3 БДС EN 10305-4 БДС EN 10305-5 БДС EN 10305-6 БДС EN ISO 4521 БДС EN ISO 27874 ASTM A480/480M TS
31	Products made of non-metallic materials / wood, concrete /, permanent joints thereof	On new and in use /operation equipments/ products	Moisture	Moisture inspection РПК MOI-51-01/ 09.01.2021**	БДС EN 13377 TS
32	Artificial lighting in work and living environment	On new and in use /operation equipments/ products	Illumination	Illumination inspection РПК ILL-53-01 Methodological for measuring and evaluating artificial lighting in buildings 40-85, 1985г.	БДС EN 12464-1 Ordinance №49 (GS, Issue 7/1976г.) Ordinance №9 (GS, Issue 46/1994г.) Ordinance №24 (GS, Issue 95/2003) Ordinance №2 (GS, Issue 15/2007г.) Ordinance №3 (GS, Issue 15/2007г.) Ordinance №26 (GS, Issue 103/2008г.) Ordinance №28 (GS, Issue 109/2008г.) БДС EN 15011 TS
33	Plastics	On new and in use /operation equipments/ products	Melt mass-flow rate (MFR) and melt volume-flow rate (MVR)	Determination of index by Melt mass-flow rate (MFR) and melt volume-flow rate (MVR) РПК MFR-52-01 БДС EN 14628-1 БДС EN ISO 1133-1 БДС EN ISO 1133-2 БДС EN ISO 21304-2	БДС EN 14628-1 БДС EN ISO 21304-2 TS
34	Electrical installations and equipment with voltage up to 1000V	On new and in use /operation equipments/ products	Impedance of the circuit "phase-protective conductor""	РПК EL-46-01	Ordinance 3 /GS, Issue 90 and 91/; amd and add. Issue 42 Ordinance 16-116/GS, Issue 42 TS

Scope: flexible for part of scope *					
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
			Resistance of protective earthing systems	РПК EL-46-01	Ordinance 3 /GS, Issue 90 and 91; amd and add. Issue 42 Ordinance 16-116 -GS, Issue 42 БДС 3820 TS
			Resistance of lightning protection earthing systems	РПК EL-46-01	Ordinance 4/GS, Issue 6 Ordinance 16-116/GS, Issue 42 TS
			Circuit breakers, CB residual voltage, resistance of protective earthing, operating time and residual operating current	РПК EL-46-01	Ordinance 3 /GS, Issue 90 и 91; amd and add. Issue 42 БДС HD 60364-4-41 Ordinance 16-116/GS, Issue 42 TS
	Electrical installations and equipment with voltage up to and above 1000V		Insulation resistance	РПК EL-46-01 БДС 1986 Item 3.3 а), б), д), е) НИЕМС-1995	Ordinance 3 /GS, Issue 90 and 91; amd and add. Issue 42 Ordinance 16-116 -GS, Issue 42, НИЕМС-1995 Ordinance 9 /GS, Issue 72 amd GS, Issue 42; TS
			Active winding resistance	РПК EL-46-01 НИЕМС-1995	НИЕМС-1995 Ordinance 16-116 /GS, Issue 42, TS
	Inspection of electrochemical corrosion protection / cathodic protection /		Stationary potential. Polarization potential. Specific soil resistance.	РПК EL-46-01 БДС 15705 БДС 15705/amd1 БДС EN 13509	БДС 15704 БДС EN 12954 table 1 TS
35	Solid electrical insulating materials	On new and in use /operation equipments/ products	Insulation resistance, specific electrical resistance	Insulation resistance nspection РПК RES-47-01 БДС 6728 БДС EN 14628-1 БДС EN 1474-2 БДС EN ISO 18797-2 БДС EN ISO 21809-3	TS БДС EN 1474-2 БДС EN 14628-1 БДС EN ISO 18797-2
36	Welding equipment	On new and in use /operation equipments/ products	Identification, marking, appearance, electrical quantities: average operating voltage and average operating current, speed of movement, speed of wire feed	Welding equipment inspection: РПК WE-55-01 БДС EN 60974-4 БДС EN ISO 17662 БДС EN IEC 60974-14	БДС EN IEC 60974-1 БДС EN IEC 60974-5 БДС EN IEC 60974-14 TS
37	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	Inspection of ultrasonic flaw detectors РПК UTD-22-01 БДС EN ISO 22232-1	Technical specification БДС EN ISO 22232-1

Scope: flexible for part of scope *					
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
			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 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	 БДС EN ISO 18563-1	 БДС EN ISO 18563-1
38	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 РПК UTT-22-02 БДС EN 15317	Technical specification БДС EN 15317- Item 9.4; 9.7; 9.9
39	Magnetic flaw detectors	Of units in service	Identification, marking, external appearance, magnetic field tangential intensity, sensitivity to artificial defects, lifting force, electrical supply (voltage, current, frequency), load cycle at maximum	Inspection of magnetic flaw detectors РПК MTD-23-01 БДС EN 60529+A1- Ite 12 БДС EN 61010-1 (Item 6.5; Item 6.8) БДС EN ISO 9934-1 БДС EN ISO 9934-3	Technical specification БДС EN 61010-1 (Item 5; Item 6.5; Item 6.8) БДС EN 60529+A1- Item 12 БДС EN ISO 9934-3

Scope: flexible for part of scope *					
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
			power, current shape, insulation resistance, zeroing resistance, electrical protection level (IP), temperature of the casing, dimensions, mass		
40	Industrial 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 negatoscopes РПК IRI-24-01 БДС EN 25580 БДС EN 61010-1 (Item 6.5; Item 6.8)	Technical specification БДС EN 25580 БДС EN 61010-1 (Item 5; Item 6.5; Item 6.8)
41	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 РПК XRA-25-01 БДС EN 12543-2 БДС EN 61010-1 (Item 6.5; Item 6.8) БДС EN ISO 16526-2	Technical specification БДС EN 12543-2 БДС EN 61010-1 (Item 5; Item 6.5; Item 6.8) БДС EN ISO 16526-2
42	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 РПК UVS-27-01 БДС EN 61010-1 (Item 6.5; Item 6.8) БДС EN ISO 3059- Item 6.2	Technical specification БДС EN 61010-1 (Item 5; Item 6.5; Item 6.8) БДС EN ISO 3059- Item 6.2 and Item 6.3
43	Flaw detectors for insulating coatings	Of units in service	Identification, external appearance, low battery warning, operating voltage range, output voltage, marking, insulation resistance, zeroing resistance	Inspection of flaw detectors for insulating coatings РПК HD-28-01 БДС EN 61010-1 (Item 6.5; Item 6.8)	Technical specification БДС EN 61010-1 (Item 5; Item 6.5; Item 6.8)
44	Crack depth measurement instruments	Of units in service	Identification, external appearance, resistance to changes in supply voltage, measurable depth of cracks, linearity, accuracy,	Inspection of Crack depth measurement instruments РПК DCA-29-01/2018 БДС EN 61010-1	Technical specification БДС EN 61010-1 (Item 5; Item 6.5; Item 6.8)

Scope: flexible for part of scope *					
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
			repeatability, marking, low battery warning, insulation resistance, zeroing resistance	(Item 6.5; Item 6.8)	
45	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 РПК ECD-30-01 БДС EN 61010-1 (Item 6.5; Item 6.8) БДС EN ISO 15548-1	Technical specification БДС EN 61010-1 (Item 5; Item 6.5; Item 6.8)
46	Instruments for determining coating thickness by magnetic/ eddy current method	Of units in service	Identification, external appearance, low battery warning, operating voltage range, operating current, measurable thickness, linearity, accuracy, repeatability, reproducibility, insulation resistance, zeroing resistance	Inspection of instruments for determining coating thickness РПК TCA-31-01 БДС EN 61010-1 (Item 6.5; Item 6.8) БДС EN ISO 2178 (Item 6 and Item 7), Annex B БДС EN ISO 2361 (Item 5)	Technical specification БДС EN 61010-1 (Item 5; Item 6.5; Item 6.8) БДС EN ISO 2361 (Item 7) БДС EN ISO 2178 (Item 9.2 and Item 9.3)
47	Acoustic emission equipment	Of units in service	Identification, marking, external appearance; direct current power consumption, amplification, bandwidth, electronic noise, dynamic range, pulse transmission. Bandwidth and filter drop, detection threshold, CPU noise, peak amplitude, external parameter check.	Inspection of Acoustic emission transducer РПК AE-40-01 Acoustic emission preamplifier: БДС EN 13477-2 (Item 6.1, 6.2, 6.3.2, 6.3.3, 6.3.4, 6.3.5, 6.3.6) Processor for processing acoustic emission signal: БДС EN 13477-2 (Item 7.2, 7.3, 7.4, 7.5.2, 8)	Technical specification БДС EN 13477-2 БДС EN 61010-1 (Item 5.1.2) Technical specification БДС EN 13477-2 БДС EN 61010-1 (Item 5.1.2; Item 5.3; Item 6.5.1.3)
48	Acoustic emission sensor	Of units in service	Identification, marking, appearance, sensitivity, electrical shielding, noise level, electrical pulse transmission, frequency response of transducer - preamplifier	Inspection of Acoustic emission transducer РПК AE-40-01 БДС EN 13477-1 БДС EN 13477-2 (Item 5.3.1, 5.3.2, 5.3.3, 6.3.4, 6.3.6) ASTM E2374 (Item	Technical specification БДС EN 13477-2 БДС EN 61010-1 (Item 5; Item 6.5; Item 6.8) ASTM E2374

Scope: flexible for part of scope *					
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
			combination	5.1.2) ISO 12713 ISO 12714 ISO/TR 13115	

** The introduction of a new version of the standards or standards that replace them is permitted. The CAB maintains an up-to-date list of standards with their dated versions.*

ИЕРМРСН, ДА "ДР и ВВЗ" – Annex 1- Instruction for operation and repair of metal tanks for storage of oil products in the oil depots of the State Agency „State Reserve and Wartime Stocks " – Annex. 1;

ИИМ на СВЦР up to 10000 cubic meters, NEK- Instructions for preparation and installation of Steel vertical cylindrical tanks up to 10000 cubic meters, NEK, 1995 г.;

ИКМ в ТЕЦ, NEK- Instruction for metal inspection in TPP /1995, NEK;

ИКМОТСЕСКТТ - Instruction for metal inspection and assessment of the technical condition of elements and systems of boilers, turbines and pipelines in TPP;

ИПЕР на СВЦР up to 10000 cubic meters/, NEK- Instructions for acceptance, operation and repair of Steel vertical cylindrical tanks up to 10000 cubic meters./1995, NEK;

ИПЕРБРСТТ„LNB"/ИК - Instructions for design, operation, repairs, safe operation of steel technological pipelines in Lukoil Neftochim Burgas AD „LNB"/ИК;

КТСУ – МС - The Committee on Territorial and Settlement Planning (KTSU) under the Council of Ministers (CoM); Metrology and measuring equipment, Volume 2, Hristo Radev, 2010 г.;

Ordinance 16-116 - Ordinance № 16-116 of 8 February 2008 on technical operation of energy equipment (SG No. 42/2008);

Ordinance 3 - Ordinance № 3 of June 9, 2004 on the construction of electrical installations and power lines (SG Nos. 90 and 91);

Ordinance 4 - Ordinance № 4 of 22 December 2010 on the lightning protection of buildings, external facilities and open spaces (SG No. 6/2011);

Ordinance № 9 (SG № 72/2004 amd GS, Issue 42) for the technical operation of power plants and networks;

Ordinance № 6, Ordinance № 6 of June 9, 2004 on the connection of producers and consumers of electricity to the electricity transmission and distribution networks (SG No. 74/2004);

Ordinance №2 - Ordinance № 2 of 5 February 2007 on the health requirements for computer and Internet halls for public use (SG No. 15/2007);

Ordinance №24 - Ordinance № 24 of 20 October 2003 on the sanitary and hygienic requirements for discos (SG No. 95/2003);

Ordinance №26 - Ordinance № 26 of 18 November 2008 on the structure and operation of crèches and children's kitchens and the health requirements to them (SG No. 103/2008);

Ordinance №28 - Ordinance № 28 of December 9, 2008 on the structure, order and organization of the work of pharmacies and the nomenclature of medicinal products (SG No. 109/2008);

Ordinance №3 - Ordinance № 3 of 5 February 2007 on the health requirements for kindergartens (SG No. 15/2007);

Ordinance №49 - Ordinance № 49 on artificial lighting of buildings (SG No. 7/1976);

Ordinance №9 - Ordinance № 9 on the health and hygiene requirements for the use of personal computers in the education and extracurricular activities of students (SG No. 46/1994);

НЕРМР, "LNB" – Ordinance for operation and repair of metal tanks in Lukoil Neftochim Burgas AD;

НП-084-15 - Federal norms and rules in the field of nuclear energy use: „Rules for inspection of base metal, welded joints and deposited surfaces during operation of equipment, pipelines and other elements of nuclear power plants", Approved. Federal Service for Environmental, Technological, and Nuclear Supervision, 07.12.2015 г. N 502;

НП-089-15 - Federal norms and rules in the field of nuclear energy use: „Rules for design and safe operation of equipment and pipelines of nuclear power plants", Approved. Federal Service for Environmental, Technological, and Nuclear Supervision, 17.12.2015 г. N 521;

НП-105-18 - Federal norms and rules in the field of nuclear energy use: „Rules for inspection of metals of equipment and pipelines of nuclear power plants during production and installation",Approved. Federal Service for Environmental, Technological, and Nuclear Supervision, 14.11.2018 г. N 553;

НСИОСТОН - Ordinance on the essential requirements and conformity assessment of pressure equipment, Adopted by CMD № 91 of 21.04.2016 (SG No. 33/2016);

НУБЕНПНПП - Ordinance on the structure and safe operation of oil pipelines and oil product pipelines, adopted by the Council of Ministers № 312 of 17 November 2004 (SG No. 104/2004);

НУБЕТНАУ – Ordinance on the structure, operation and technical supervision of acetylene systems, adopted by the Council of Ministers № 312 of 12 July 2001 (SG No. 66/2001);

НУБЕТНГСИВВГ - Ordinance on the structure, safe operation and technical supervision of gas facilities and installations for liquefied hydrocarbon gases, Adopted by CMD №243 of 10.09.2004 (SG No. 82/2004);

НУБЕТНСнН – Ordinance on the structure, safe operation and technical supervision of pressure equipment, adopted by the Council of Ministers №164 of 07.07.2008 (SG No. 64/2008);

НУБЕТРГСИУПГ - Ordinance on the structure and safe operation of the transmission and distribution gas pipelines and of the facilities, installations and appliances for natural gas, Adopted by CMD № 171 of 16.07.2004 (SG No. 67/2004);

НУЕТНАУ – Ordinance on the structure, operation and technical supervision of acetylene systems, adopted by the Council of Ministers №187 of 12 July 2001 (SG, issue 66/2001);

ОСТ 108.020.109-82- Stationary steam turbines. Calculation of static strength of disks and rotors;

ПЕРМРСНПБ–„Petrol"AD-1-item 6 Regulations for operation and repair of metal tanks for storage of oil products in the oil bases of Petrol AD - item 6;

ПИПМТ - Regulations for implementation and acceptance of main pipelines, Sofia, 1984 IASB;

ПИПСМР - Rules for performing and accepting construction and installation works (BAS, book 5/1980);

ПНАЭ-Г-7-002-86 - Rules on calculating the strength of equipment and pipelines of nuclear power plants, implemented from 01.07.87;

РД 10 577-03 - Standard instruction for metal inspection and extension of the service life of basic elements of boilers, turbines and pipelines in TPP, approved on 19.06.2003, №4748;

РД 153-112-017-97 Instruction for diagnostics and assessment of the residual life of vertical steel tanks, approved on 07.01.1997;

РД 153-34.1-003-01 (РТМ-1с) - Welding, heat treatment and inspection of piping systems of boilers and pipelines during installation and repair of electronic equipment (RTM-1c);

РД 153-34.1-17.458-98 - Methodology for determining the possibility of operation with cracks and removal of metal of cast body parts of turbines with steam pressure above 9 MPa, approved on 28.12.1998;

РД 153-34.1-17.467-2001- Express method for estimation of the residual life of welded joints of collectors of boilers and pipelines by structural factor, approved from 03.05.2001;

РД 34.17.310-96- Pipe systems of boilers and steam pipes during operation, approved on March 20, 1996;

РД 34.17.428-90 Regulations on the procedure for extending the service life of the buildings of PVN and PNN over 60 years, approved on 18.01.1990;

РД 34.17.435-95 Methodical instructions for technical diagnostics of boilers with working pressure up to 4 MPa inclusive, approved from 01.01.1996;

РД 34.17.436-92 Methodical instructions for individual inspection metal of cast body parts of steam turbines in TPP, approved on 24.01.1992.;

РД 34.17.440-96 Methodical instructions for the procedure for conducting the works on assessment of the individual resource of steam turbines and extension of the term of their operation over the park resource, approved from 01.01.1997.;

РД 34.17.452-98- Guidelines for the procedure for performing work in estimating the residual life of superheaters of power plant boilers.;

РД ЭО 185-00 - Methodology for assessment of the technical condition and residual life of pipelines of power units at the NPP, approved on 27.06.2000, №318;

СО 153 - 34.17.440 - Instruction for extension of the term of operation of steam turbines over the park Resource / Approved. By order of the Ministry of Energy, the Russian Federation , 30.06.2003 № 274 - М.: ЦПТИОРГРЭС, 2004 -170 page;

СО 153-34 17 464 – Instruction for extension of the service life of pipelines II, III and IV category: / Approved. By order of the Ministry of Energy, the Russian Federation, 30.06.2003 №275.-М.: ЦПТИОРГРЭС, 2004.- 145 page;

СО 153-34.17.421 – Standard instruction for metal inspection and extension of the service life of the main elements of boilers, turbines and pipelines: / Approved Decree of the Gorgostekhnadzor of the Russian Federation, 18.06.2003 № 94.- М.: FSUE „Scientific and Technical Center for Safety in the Industry of Gosgortekhnadzor", 2004.- 128 page;

СО 153-34.17.439 - Instructions for extending the service life of pressure vessels: / Approved. By order of the Ministry of Energy, the Russian Federation, 24.06.2003 № 253: Introduction date 2003-06-24. - М.: СПО ОРГРЭС, 2003.- 68 page;

СО 153-34.17.442 – Instruction on the procedure for extending the service life of drums for high pressure boilers: / Approved. By order of the Ministry of Energy, the Russian Federation, 30.06.2003 № 269.-М.: ЦПТИОРГРЭС, 2004-40 page;

СО 153-34.17.448 – Instruction on the procedure for extending the service life of the metal of the main elements of turbines and compressors in energy gas turbine installations, Approved. By order of the Ministry of Energy, the Russian Federation, 24.06.2003 N9 252.- M.: ЦПТИ ОРГРэС, 2004,- 46 page. 15;

СО 153-34.17.452 – Instructions on the procedure for assessing the residual life of steam heaters for boilers at power plants, Approved. Development Strategy and Science Department and Technology Policy PAO „Unified Energy System of Russia" 04.03.98;

СО 153-34.17.469 – Instruction for extension of the service life of steam boilers with working pressure up to 4.0 MPa, including hot water boilers with temperature above 115oC, Approved. By order of the Ministry of Energy, the Russian Federation, 24.06.2003 № 254.- M.: ЦПТИиТО ОРГРэС, 2005.- 98 page. 17;

СО 153-34.17.470 – Instruction on the procedure for inspection and extension of the term of operation of steam pipelines over the park resource, Approved. By order of the Ministry of Energy, the Russian Federation, 30.06.2003 № 273.- M,: ЦПТИОРГРЗС, 2004.- 64 page;

СС за СВЦР with a volume up to 10000 cubic meters, KTSU-MS-Construction system for Steel vertical cylindrical tanks with a volume of up to 10000 cubic meters/1988, KTSU-MS;

СТО 17230282.27.100.005 - Basic elements of boilers, turbines and pipelines in thermal power plants. Metal condition inspection. Norms and requirements, approved from 30.06.2008;

STANLSCHLUSSEL – Steel Wrench, Publisher: Verlag Stanlschussel, Wegst GmbH;

VGB-S-517-00 - Recommendations for assessment of microstructure and creep damage in heat-resistant steels for elements of pipelines and boilers operating at high pressures and their welded joints;

ТС – Technical specification.

** **Fixed scope**

РПК СА-11-01/ 15.02.21 Determination of chemical composition of metals by spectrometer;

РПК РМІ-11-02/15.02.21 Positive identification of the material by the X-ray fluorescence method;

РПК МОІ-51-01 / 09.01.2021 Humidity inspection;

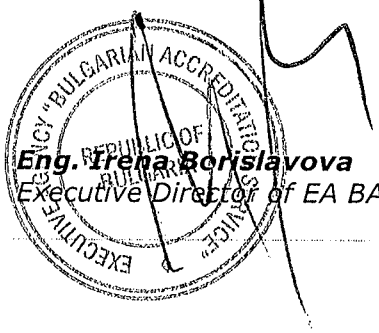
РПК WI-17-01/28.12.2018 Weight inspection

I ORDER

To issue the Certificate of Accreditation reg. № 267 OKA of 8.11.2023. valid until 29.09.2027 and this order enclosed as an integral part thereof.

The certificate of accreditation with the enclosure should be obtained from manager / representative of the legal entity / sole trader, the head of the CAB or other authorized person in the building of EA BAS.

Upon receipt of the certificate issued and enclosure, the accredited CAB is obliged to return to EA BAS the originals of Certificate of Accreditation reg. № 267 OKA/ 29.09.2023 valid until 29.09.2027 and the enclosure Order for Accreditation № A 417/29.09.2023 of EA BAS.
This Order shall be notified to legal entity / sole within 3 (three) days from its issuance.



Eng. Irena Borislavova
Executive Director of EA BAS