REPUBLIC OF BULGARIA
Executive agency
Bulgarian accreditation service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 55

Sofia, 30.01.2024

On the grounds of Art. 10, Par. 1, Item 3 and Art. 30, Par. 1 of the National Accreditation Law of Conformity Assessment Bodies and Item 4.3.7 b) of the BAS QR 2 Accreditation Procedure in connection with open procedure reg. № 243/44 OKA/PO/26.05.2023, evaluation report reg. № 243/44 OKA/PO/5/B/19.10.2023, report section G2 № 243/44 OKA/PO/7/B/15.12.2023, and statement of the Commission on Accreditation reg. № 243/44 OKA/PO/8/B/29.12.2023,

I EXTEND THE SCOPE OF ACCREDITATION

INSPECTION BODY OF TYPE A AT „CONTROL" OOD, SOFIA

Management address:
6300, Haskovo, "San Stefano" Str. № 14, fl. 3
Office address:
6300, Haskovo, "Dimitrovgradsko shose" Str. № 1

To perform inspection according to the following scope:

Scope type: Flexible for part of the scope*

№	Field of inspection:	Type of inspection	Inspected parameter/ characteristic	Methods of testing and measurement used during inspection	Normative acts, standards, specifications, schemes
1	2	3	4	5	6
1.	Equipment manufactured of metallic materials: pipelines; gas equipment and installations; pressure vessels; low and high pressure boilers; steam turbines; elevating and transport equipment; machinery; constructions and elements	Initial and/or periodic inspection of products and equipment - new and/or in service /operation.	Presence, type, size and location of surface discontinuities/imperfections by means of Visual testing (VT):	РПК 1	Ordinance on the device, safe operation and technical supervision of pressure equipment (НУБЕТНСН) (Official gazette, issue 64/2008, Chapter 1, art. 19 and art. 21); Welding, heat treatment and inspection of boiler piping systems and pipelines during installation and repair of energy equipment (РД 153-34.1-003 (РТМ-1с)), Chapter 18.3, Item 18.3.4 and Tables 18.2, 18.6, 18.7, 18.8 and 18.9; TS

	for them; cisterns-basic metal, welded joints and their samples*.		in welded joints	БДС EN 13018; БДС EN ISO 17637; ASME Code, Section V, Subsection A, Article 9.	БДС EN ISO 5817; БДС EN ISO 10042; БДС EN 12952-6, Table 5; БДС EN 12732, Application G, Tables G.4, G.5 and Fig. G.1; Application H, Table H.1; БДС EN 14163, Item 9.3; БДС EN ISO 14555, Tables A.5, A.6 and A.7; БДС EN ISO 13918+A1; AWS Structural Welding Code D1.1/D1.1M; Clause 6, Paragraph 6.10.1, Clause 7, Paragraph 7.13, Paragraph 7.23 – Table 7.7, Table 7.8, Table 7.9 and Fig. 7.4; Clause 8, Table 8.1; Clause 10, Table 10.15; AWS Structural Welding Code D1.6/D1.6M, Clause 6, Paragraph 6.9.3.1, Clause 7, Paragraph 7.8, Paragraph 7.15 and Fig. 7.2, Clause 8, Table 8.1; ASME Code, Section VIII, Division 1, Paragraph UW-33, Paragraph UW-35; ASME Code, Section IX, Part QW, Article I, Paragraph QW-194; ASME Code for Power Piping, B31.1, Paragraph 136.4.2.
			in solder joints	БДС EN 13018.	БДС EN ISO 18279.
			in castings	БДС EN 13018.	TS
			in forgings	БДС EN 10163-1; БДС EN 13018.	БДС EN 10163-2; БДС EN 10163-3
2.	Equipment manufactured of metallic materials: pipelines; gas equipment and installations; pressure vessels; low and high pressure boilers; steam turbines; elevating and transport equipment; machinery; constructions and elements for them; cisterns-basic	Initial and/or periodic inspection of products and equipment - new and/or in service /operation.	Presence, type, size and location of indications of surface and subsurface imperfections by means of Magnetic-particle testing (MT):	РПК 2	Ordinance on the device, safe operation and technical supervision of pressure equipment (НУБЕТНСН) (Official gazette, issue 64/2008, Chapter 1, чл. 21); Regulation on the execution and acceptance of construction and assembly works (Construction and architecture bulletin, book 5/1980; amended and supplemented, book 4/1981, book 11/1982 and book 4/1984) (ПИПСМР), part "Buildings", Section

	metal, welded joints and their samples*.				"Non-destructive testing of metal and welded joints", art. 23 and table 9; Welding, heat treatment and inspection of boiler piping systems and pipelines during installation and repair of energy equipment (РД 153-34.1-003 (РТМ-1с)), Chapter 18.8, Item 18.3.4 and Table 18.2; TS
			in welded joints	БДС EN ISO 3059; БДС 7156; БДС 15575+ Amendment 1; БДС EN ISO 9934-1; БДС EN ISO 17638; ASTM E709; ASTM E1444/E1444M; ASME Code, Section V, Subsection A, Article 7.	БДС EN ISO 5817; БДС EN ISO 23278; БДС EN 12732, Application G, Tables G.4 and G.5; БДС EN 14163, Item 9.6; ASME Code, Section VIII, Division 1, Appendix 6; AWS Structural Welding Code D1.1/D1.1M; Clause 8, Table 8.1; Clause 10, Table 10.15; ASME Code for Power Piping, B31.1, Paragraph 136.4.3; ASME Code for Process Piping, B31.3, Paragraph 341.3.2, Table 341.3.2.
			in castings	БДС EN 1369; БДС 7156; БДС EN ISO 3059; БДС EN ISO 9934-1.	БДС EN 1369.
			in forgings	БДС EN ISO 3059; БДС 7156; БДС EN ISO 9934-1; БДС EN 10228-1; БДС EN ISO 10893-5.	БДС EN 10228-1; БДС EN ISO 10893-5.
3.	Equipment manufactured of metallic materials: pipelines; gas equipment and installations; pressure vessels; low and high pressure boilers; steam turbines; elevating and transport equipment; machinery; constructions and elements for them;	Initial and/or periodic inspection of products and equipment - new and/or in service /operation.	Presence, type, size and location of indications of surface imperfections by means of Liquid Penetrant Testing (PT):	РПК 3, WEP 3A.	Ordinance on the device, safe operation and technical supervision of pressure equipment (НУБЕТНСН)(Official gazette, issue 64/2008, Chapter 1, art. 21); Welding, heat treatment and inspection of boiler piping systems and pipelines during installation and repair of energy equipment (РД 153-34.1-003 (РТМ-1с)), Chapter 18.8, Item 18.3.4, Item 18.8.3 and Table 18.2; TS

	cisterns-base metal, welded joints and their samples*.		in welded joints	БДС EN ISO 3059; БДС EN ISO 3452-1; ASTM E165/E165M; ASTM E1417/E1417M; ASME Code, Section V, Subsection A, Article 6.	БДС EN ISO 5817; БДС EN ISO 10042; БДС EN ISO 23277; БДС EN 12732, Application G, Tables G.4, G.5; БДС EN 14163, Item 9.6; ASME Code, Section VIII, Division 1, Appendix 8; ASME Code, Section IX, Part QW, Article I, Paragraph QW-195.2; AWS Structural Welding Code D1.1/D1.1M; Clause 8, Table 8.1; Clause 10, Table 10.15; AWS Structural Welding Code D1.6/D1.6M; Clause 8, Table 8.1; ASME Code for Power Piping, B31.1, Paragraph 136.4.4; ASME Code for Process Piping, B31.3, Paragraph 341.3.2, Table 341.3.2.
			in solder joints	БДС EN ISO 3059; БДС EN ISO 3452-1; БДС EN 12799+A1.	БДС EN 12799+A1.
			in castings	БДС EN 1371-1; БДС EN ISO 3059; БДС EN ISO 3452-1.	БДС EN 1371-1.
			in forgings	БДС EN ISO 3059; БДС EN ISO 3452-1; БДС EN 10228-2; БДС EN ISO 10893-4.	БДС EN 10228-2; БДС EN ISO 10893-4.
4.	Equipment manufactured of metallic materials: pipelines; gas equipment and installations; pressure vessels; low and high pressure boilers; elevating and transport equipment; machinery; constructions and elements for them; cisterns-base metal, welded joints and their samples*.	Initial and/or periodic inspection of products and equipment - new and/or in service /operation.	Presence, type, size and location of indications of imperfections by means of Radiographic testing (RT):	РПК 4-of welded and soldered joints; WEP 4A -of welded joints; РПК 5 - of castings.	Ordinance on the device, safe operation and technical supervision of pressure equipment (НУБЕТНСН) (Official gazette, issue 64/2008, Chapter 1, art. 19 and art. 21); Ordinance on the device, safe operation and technical supervision of the gas equipment and installations for liquefied hydrocarbon gases (НУБЕТНГСИВВГ) (Official gazette, issue 82/2004, amended and supplemented, Official gazette, issue 103 from 12/2020, Chapter 2, Section XI, art. 105); Regulation on the execution and acceptance of

					construction and assembly works (Construction and architecture bulletin, book 5/1980; amended and supplemented, book 4/1981, book 11/1982 and book 4/1984) (ПИПСМР), part "Buildings", Section "Non-destructive testing of metal and welded joints", art. 7, art. 30, art. 38, art. 44, art. 51; Welding, heat treatment and inspection of boiler piping systems and pipelines during installation and repair of energy equipment (РД 153-34.1-003 (РТМ-1с)), Chapter 18.5 and Tables 18.6, 18.7, 18.8 and 18.9; TS
			in welded joints	БДС EN ISO 5579; БДС EN ISO 10893-6; БДС EN ISO 17636-1; ASTM E94/E94M; ASTM E1742/1742M; ASME Code, Section V, Subsection A, Article 2; AWS Structural Welding Code D1.1/D1.1M, Clause 8, Part E; AWS Structural Welding Code D1.6/D1.6M; Clause 8, Part E.	БДС EN ISO 5817; БДС EN ISO 6520-1; БДС EN ISO 10042; БДС EN ISO 10675-1; БДС EN ISO 10675-2; БДС EN ISO 10893-6; БДС 13060; БДС EN 12952-6, Table 6; БДС EN 12732, Application I, Tables I.1; БДС EN 14163, Item 9.4; ASME Code, Section VIII, Division 1, Subsection B, Part UW, Paragraph UW-51, Paragraph UW-52 and Appendix 4; AWS Structural Welding Code D1.1/D1.1M; Clause 8, Part C, Paragraph 8.12; AWS Structural Welding Code D1.6/D1.6M; Clause 8, Part C, Paragraph 8.12; ASME Code, Section IX, Part QW, Article I, Paragraph QW-191.1.2; ASME Code for Power Piping, B31.1, Paragraph 136.4.5; ASME Code for Process Piping, B31.3, Paragraph 341.3.2, Table 341.3.2.

			in solder joints	БДС EN ISO 5579; БДС EN 12799+A1.	БДС EN 12799+A1; БДС EN ISO 18279.
			in castings	БДС EN ISO 5579; БДС EN 12681-1	БДС EN 12681-1.
5.	Equipment manufactured of metallic materials: pipelines; gas equipment and installations; pressure vessels; low and high pressure boilers; elevating and transport equipment; machinery; constructions and elements for them; cisterns-base metal, welded joints and their samples*.	Initial and/or periodic inspection of products and equipment - new and/or in service /operation.	Presence, type, size and location of indications of imperfections by means of Ultrasonic testing (UT):	РПК 6- of castings and forgings; РПК 7- of welded and soldered joints.	Ordinance on the device, safe operation and technical supervision of pressure equipment (НУБЕТНСН) (Official gazette, issue 64/2008, Chapter 1, art. 19 and art. 21); Ordinance on the device, safe operation and technical supervision of the gas equipment and installations for liquefied hydrocarbon gases (НУБЕТНГСИВВГ) (Official gazette, issue 82/2004, Chapter 2, Section XI, art. 105); Regulation on the execution and acceptance of construction and assembly works (Construction and architecture bulletin, book 5/1980; amended and supplemented, book 4/1981, book 11/1982 and book 4/1984) (ПИПСМР), part "Buildings", Section "Non-destructive testing of metal and welded joints", art. 14, art. 20 and art. 45; Welding, heat treatment and inspection of boiler piping systems and pipelines during installation and repair of energy equipment (РД 153-34.1-003 (РТМ-1с)),Chapter 18.5 and Table 18.10, and Table 18.11; TS
			in welded joints	БДС EN ISO 16810; БДС EN ISO 16811; БДС EN ISO 16826; БДС EN ISO 16827; БДС EN ISO 16828; БДС 9824; БДС 16323; БДС EN ISO 17640; БДС EN ISO 22825; БДС EN ISO 23279; БДС EN 12732, Application F and Application J; ASME Code, Section	БДС EN ISO 5817; БДС 9824; БДС EN ISO 11666; БДС EN 12732, Application F, Application J, Tables J.1 and J.2; БДС EN 14163, Item 9.5; ASME Code, Section VIII, Division 1, Appendix 12; AWS Structural Welding Code

				V, Subsection A, Article 4; AWS Structural Welding Code D1.1/D1.1M, Clause 8, Part F and Clause 10, Part F, Paragraph 10.29; AWS Structural Welding Code D1.6/D1.6M, Clause 8, Part F.	D1.1/D1.1M; Clause 8, Part C, Paragraph 8.13 and Clause 10, Part F, Paragraph 10.26; AWS Structural Welding Code D1.6/D1.6M, Clause 8, Part C, Paragraph 8.13; ASME Code, Section IX, Part QW, Article I, Paragraph QW-191.2.3; ASME Code for Power Piping, B31.1, Paragraph 136.4.6; ASME Code for Process Piping, B31.3, Paragraph 344.6.2.
			in castings	БДС EN ISO 16810; БДС EN ISO 16811; БДС EN ISO 16823; БДС EN ISO 16826; БДС EN ISO 16827; БДС EN ISO 16828; БДС EN 12680-1; БДС EN 12680-2; БДС EN 12680-3.	БДС EN 12680-1; БДС EN 12680-2; БДС EN 12680-3.
			in forgings	БДС EN ISO 16810; БДС EN ISO 16811; БДС EN ISO 16823; БДС E ISO 16826; БДС EN ISO 16827; БДС EN ISO 16828; БДС 9233; БДС EN 10160; БДС EN 10228-3; БДС EN 10228-4; БДС EN 10306; БДС EN 10307; БДС EN 10308; БДС EN ISO 10893-8+A1; БДС EN ISO 10893-10+A1; БДС 13661; БДС 14923; ASME Code, Section V, Subsection A, Article 5.	БДС EN 10160; БДС EN 10228-3; БДС EN 10228-4; БДС EN ISO 10893-8+A1; БДС EN ISO 10893-10+A1; БДС EN 10306; БДС EN 10307; БДС EN 10308; БДС EN 12732, Table 6; БДС 13661. ASME Code, Section VIII-Division I, Part UF, Paragraph UF-55; ASTM A435/435M, Paragraph 6; ASTM A577/577M, Paragraph 10; ASTM A578/578M, Paragraph 7, Paragraph 8 and Paragraph 9; ASTM A745/745M, Paragraph 12; ASTM B548, Paragraph 9; AMS-STD-2154,
6.	Equipment manufactured of metallic materials: pipelines; gas equipment and installations; pressure	Initial and/or periodic inspection of products and equipment - new and/or in service /operation.	Wall thickness by means of Ultrasonic thickness measurement (UTM).	РПК 8; БДС EN ISO 16809; ASTM E797/E797M.	TS

	vessels; low and high pressure boilers; elevating and transport equipment; machinery; constructions and elements for them; cisterns-base metal, welded joints and their samples*.				
	Equipment manufactured of metallic materials: cisterns-base metal and its samples*.	Periodic inspection of products and equipment - in service /operation.		РПК; БДС EN ISO 16809.	European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), Annex A, Volume II, Chapter 6.8, Item 6.8.2.1.17, Item 6.8.2.1.18, Item 6.8.2.1.19, Item 6.8.2.1.20 and Item 6.8.2.1.21; Regulation concerning the International Carriage of Dangerous Goods by Rail (RID), Part 6, Chapter 6.7, Item 6.7.2.4, Item 6.7.3.4; Chapter 6.8, Item 6.8.2.1.17, Item 6.8.2.1.18, Item 6.8.2.1.19 and Item 6.8.2.1.20; TS
7.	Equipment manufactured of metallic materials: sheets, pipes, pipelines; bars; castings; forgings; pressure vessels and equipment; low and high pressure boilers; steam turbines; machinery; constructions ; cisterns-base metal, welded joints and their samples*.	Initial and/or periodic inspection of products and equipment - new and/or in service /operation.	Destructive tests (DT):	РПК 9.	
			tensile strength; yield strength; relative elongation and shrinkage	БДС EN ISO 4136; БДС EN ISO 6892-1; БДС EN ISO 15792-1; БДС EN ISO 15792-2; БДС EN ISO 9018; БДС EN ISO 14555, Item 11.4; ASME Code, Section IX, Part QW, Article I, Paragraph QW-150, Paragraph QW-152, ASTM A370; AWS Structural Welding Code D1.1/D1.1M; Clause 6, Part B, Paragraph 6.10.3.4; AWS Structural Welding Code D1.6/D1.6M, Clause 6, Part B, Paragraph 6.9.3.3.	ASME Code, Section IX, Part QW, Article I, Paragraph QW-153; БДС EN ISO 14555, Item 12.4; БДС EN 14163, Item 5.4.3.4; AWS Structural Welding Code D1.1/D1.1M; Clause 6, Part B, Paragraph 6.10.3.5; AWS Structural Welding Code D1.6/D1.6M, Clause 6, Part B, Paragraph 6.9.3.3 (1) and (2); БДС EN ISO 15614-1, Item 7.4.1; TS
			bending	БДС 1084; БДС EN ISO 5173+A1; БДС EN ISO 7438;	БДС EN ISO 7438; БДС EN ISO 8491; ASME Code, Section

				БДС EN ISO 8491; БДС EN ISO 14555, Item 11.3; ASME Code, Section IX, Part QW, Article I, Paragraph QW-160, Paragraph QW-162, Paragraph QW-192.1.1; ASTM A370. AWS Structural Welding Code D1.1/D1.1M; Clause 6, Part B, Paragraph 6.10.3.1 and 6.10.3.2; AWS Structural Welding Code D1.6/D1.6M, Clause 6, Part B, Paragraph 6.9.3.2.	IX, Part QW, Article I, Paragraph QW-163, Paragraph QW-192.1.2; AWS Structural Welding Code D1.1/D1.1M; Clause 6, Part B, Paragraph 6.10.3.3; AWS Structural Welding Code D1.6/D1.6M, Clause 6, Part B, Paragraph 6.9.3.2 (4); БДС EN ISO 15614-1, Item 7.4.2; БДС EN ISO 15614-2, Item 7.4.3; БДС EN ISO 15614-5, Item 7.4.3; БДС EN ISO 15614-6, Item 8.4.3; БДС EN ISO 15614-7, Item 7.5.2.4; БДС EN ISO 14555, Item 12.3; TS
			absorbed energy / impact toughness	БДС EN ISO 148-1; БДС EN ISO 9016; БДС 12114; AWS Structural Welding Code D1.1/D1.1M; Clause 6, Part D; ASME Code, Section VIII, Part UG, Paragraph UG-84; ASTM A370.	БДС EN 12732, Item 4.4.3; БДС EN 14163, Item 5.4.3.5; TS
8.	Equipment manufactured of metallic materials: sheets, pipes, bars; castings; forgings; pipelines; gas equipment and installations; pressure vessels; low and high pressure boilers; steam turbines; machinery, constructions and elements for them; cisterns-base metal, welded joints and their samples*.	Initial and/or periodic inspection of products and equipment - new and/or in service /operation.	Hardness test acc. to: Brinell (HBW); Rockwell (HR), scale A, scale B and scale C; Vickers (HV) Leeb (HL).	РПК 10 БДС EN ISO 6506-1; БДС EN ISO 6507-1; БДС EN ISO 6508-1; БДС EN ISO 9015-1; БДС EN ISO 9015-2; БДС EN ISO 18265; ASTM A956/A956M; БДС EN ISO 16859-1.	Welding, heat treatment and inspection of boiler piping systems and pipelines during installation and repair of energy equipment (РД 153-34.1-003 (РТМ-1с)), Chapter 18.4 and Table 18.3; БДС EN 14163, Table 2; БДС EN ISO 15614-1, Table 3; БДС EN ISO 15614-7, Table 2; TS

9.	Equipment manufactured of metallic materials: pipelines, tube bends and heating surfaces (tube coils, heat exchanging tubes) - base metal, welded joints and their samples*.	Initial and/or periodic inspection of products and equipment - new and/or in service /operation.	Presence of the chemical elements chromium (Cr), molybdenum (Mo) and vanadium (V) in steels by means of Spectral analysis.	Validated method РПК 11 **	Welding, heat treatment and inspection of boiler piping systems and pipelines during installation and repair of energy equipment (РД 153-34.1-003 (РТМ-1с)),Chapter 18.2, Table 18.1 and Annex 25; TS
10.	Equipment manufactured of metallic materials: pipelines; gas equipment and installations; tanks; pressure vessels; low and high pressure boilers; constructions and elements for them; cisterns-base metal, welded joints and their samples*.	Initial and/or periodic inspection of products and equipment - new and/or in service /operation.	Hermeticity (presence/ absence of leakage) by means of Leak testing (LT) (gas-hydraulic methods) using foaming compounds.	РПК 12; БДС EN 1593+A1; БДС 17111, Item III.2. ASME Code, Section V, Subsection A, Article 10, Mandatory Appendix II.	БДС EN 1593+A1; ASME Code, Section V, Subsection A, Article 10, Mandatory Appendix II, Paragraph II-1081; TS
11.	Coatings on ferromagnetic and non-ferromagnetic bases	Initial and/or periodic inspection of products and equipment - new and/or in service /operation.	Thickness measurement by means of Eddy-current testing (ECT) and Magnetic induction testing methods	РПК 13 БДС EN ISO 2178; БДС EN ISO 2360; БДС 15600.	TS
12.	Electrical insulation coatings of metals*.	Initial and/or periodic inspection of products and equipment - new and/or in service /operation.	Density of insulation coating by means of Electro-sparkling testing method.	РПК 14; БДС 15705+ Amendment 1	Ordinance on the device and safe operation of the transmission and distribution gas pipelines and of the natural gas equipment, installations and appliances (НУБЕПРГСИУПГ) (Official gazette, issue 67/2004, 2018), Chapter II, Section II, art. 22, par. 2, Item 4, art. 23); Ordinance on the device, safe operation and technical supervision of the gas equipment and installations for liquefied hydrocarbon

					gases (НУБЕТНГСИВВГ) (Official gazette, issue 82/2004, amended and supplemented, Official gazette, issue 103 from 4.12/2020), Chapter II, Section I, art. 15, par.3, Chapter II, Section II, art. 30, par. 1); БДС 15705+ Amendment 1; TS
13.	Rope way-lines for transportation of passengers*.	Initial and/or periodic inspection of products and equipment - new and/or in service /operation.	Presence, type, size and location of discontinuities/imperfections in ropes by means of Magnetic Rope Testing (MRT).	РПК 15	Ordinance on safe operation and technical supervision of rope-way lines (НУБЕТНВЛ) (Official gazette, issue 58/2014), Chapter 3, art. 18, Annex №1; Chapter 4, Section IV, art. 68, item 1 and Annex №3, item 2 and Annex №4, item 3; art. 69, item 1 and Annex №5, item 2; art. 70, item 1 and Annex №6; art. 73, item 1 and Annex №4, item 2 and Annex №5; art.74 and Annex №7; art. 75 and Annex №8; art. 76, item 1, item 2 and item 3); TS
				БДС EN 12927	БДС EN 12927
14.	Pipelines, tube bends and heating surfaces (tube coils, heat exchanging tubes)*.	Initial and/or periodic inspection of new and/or in service /operation.	Departure from circularity (Ovality).	РПК 16. БДС EN 12952-5, Item 7.3.7; БДС EN 13480-4+A1, Item 7.4.	БДС EN 12952-5, Item 7.3.7; БДС EN 13480-4+A1, Item 7.4. TS
15.	Welded joints manufactured of metallic materials*.	Initial inspection of new products and equipment	Types, sizes and distribution of the imperfections contained in the weld volume by means of Destructive tests (DT).	РПК 17; БДС EN ISO 17637; БДС EN ISO 9017; ASME Code, Section V, Subsection A, Article 9; ASME Code, Section IX, Part QW, Article I, Paragraph QW-180, Paragraph QW-182. AWS Structural Welding Code D1.1/D1.1M; Clause 6, Part C, Paragraph 6.23.4; AWS Structural Welding Code D1.6/D1.6M, Clause 6, Part B, Paragraph 6.10.3 and Part C, Paragraph 6.15.8	БДС EN ISO 5817; БДС EN ISO 10042; ASME Code, Section IX, Part QW, Article I, Paragraph QW-182; AWS Structural Welding Code D1.1/D1.1M; Clause 6, Part C, Paragraph 6.23.4.1; AWS Structural Welding Code D1.6/D1.6M, Clause 6, Part B, Paragraph 6.10.3.1 and Part C, Paragraph 6.15.8.1; TS

16.	Metals and metal products used in the manufacture of: pipelines; boilers operating under low and high pressure; pressure vessels and equipment; steam turbines and their components; tanks and reservoirs; gas equipment and installations; machinery and structures – base metal, welded joints, and samples thereof	Initial and/or periodic inspection of new and/or in service /operation.	Metallographic control.	РПК 18	Metallographic analysis of steels and cast irons: Part Two – Scale charts for evaluating macro and microstructures, CMI, Sofia – 1980.
			Type, quantitative content and distribution of non-metallic inclusions.	БДС 3326; БДС EN 10247; GOST 1778; ASTM E45-18a; ASTM E1351-01.	ASTM E1351-01; TU 14-3-460; TS
			Grain size	БДС 11174; БДС EN ISO 643; GOST 5639; ASTM E112.	TU 14-3-460; TS
			Degree of microstructural banding	БДС 14254; GOST 5640; TU 14-3-460; ASTM E1268.	TU 14-3-460; TS
			Development of Widmanstätten structure	БДС 14254; GOST 5640; TU 14-3-460;	TU 14-3-460; TS
			Pearlite and ferrite percentage ratio in the structure of the steels	БДС 3690; TU 14-3-460; ASTM E1351-01.	TU 14-3-460; ASTM E1351-01; БДС EN 12952-5; БДС EN 13445-4; TS
			Degree of graphitization and degree of spheroidization of pearlite in carbon and low alloy steels	ASTM E1351-01; CO 34-70-690; CO 153-34.17.440; CO 153-34.17.421.	ASTM E1351-01; CO 153-34.17.440; CO 153-34.17.421; TS
			Microdefects (pores) and creep damage extent	VGB-S-517-00; ASTM E1351-01; CO 34-70-690; CO 153-34.17.421; CO 153-34.17.440; CO 153-34.17.470.	CO 153-34.17.421; CO 153-34.17.440; CO 153-34.17.470; БДС EN 12952-5; БДС EN 13445-4; БДС EN ISO 15614-7; ASTM E1351-01; TS
			Macrostructural imperfections	БДС 12730; БДС EN ISO 10042; БДС EN ISO 5817; БДС EN ISO 17639; БДС EN ISO 6520-1; БДС EN ISO 6520-2; GOST 10243; ASTM E340; ASTM E381; ASME Code, Section IX, Part QW, Article I, Paragraph QW-183, QW-193.1.3 and Article IV, Paragraph QW-470.	БДС EN ISO 5817; БДС EN ISO 10042; ASME Code, Section IX, Part QW, Article I, Paragraph QW-183, QW-84 and QW-193.1.3; TU 14-3-460; БДС EN 12952-5; БДС EN 12952-6; БДС EN 12953-5; БДС EN 13445-4; БДС EN 14208; БДС EN ISO 15614-1, Item 7.5; БДС EN ISO 15614-2; БДС EN ISO 15614-7, Item 7.5.2.1; БДС EN ISO 15614-8; БДС EN ISO 14555, Item 12.6; TS

** The introduction of a new version of standards or standards that replace them is allowed. The Conformity Assessment Body supports an up-to-date list of standards with their dated versions.*

НУБЕТНСН - Ordinance on the device, safe operation and technical supervision of pressure equipment (Official gazette, issue 64/2008);

НУБЕТНГСИВВГ - Ordinance on the device, safe operation and technical supervision of the gas equipment and installations for liquefied hydrocarbon gases (Official gazette, issue 82/2004);

НУБЕПРГСИУПГ - Ordinance on the device and safe operation of the transmission and distribution gas pipelines and of the natural gas equipment, installations and appliances (Official gazette, issue 67/2004);

НБЕТНВЛ – Ordinance on safe operation and technical supervision of rope-way lines (Official gazette, issue 58/2014);

ПИПСМР - Regulation on the execution and acceptance of construction and assembly works (Construction and architecture bulletin, book 5/1980; amended and supplemented, book 4/1981, book 11/1982 and book 4/1984);

РД 153-34.1-003 (РТМ-1с) - Welding, heat treatment and inspection of boiler piping systems and pipelines during installation and repair of energy equipment;

СО 153-34.17.440 – Instructions for extending the operational lifespan of steam turbines beyond their designed service life, ensuring safe and reliable operation while adhering to standard requirements for metal inspection, operation, and maintenance, but before reaching their ultimate service limit;

СО 153-34.17.421 – Standard instruction for metal inspection and extension of the service life of key components of boilers, turbines, and pipelines in thermal power plants.

ТУ 14-3-460 – Steel seamless pipes for steam boilers and pipelines. Technical specifications

СО 34-70-690 – Metal for steam-powered equipment in power plants. Metallographic analysis methods under operating conditions;

СО 153-34.17.470 – Instructions for the method of inspection and extension of the service life of steam pipelines beyond their designed service life, ensuring safe and reliable operation while adhering to standard requirements for metal inspection, operation, and maintenance, but before reaching their ultimate service limit;

VGB-S-517-00 – Guidelines for rating the microstructural composition and creep rupture damage of creep-resistant steel for high pressure pipelines and boiler components and their weld connections;

TS – Technical Specification

**** Fixed scope of accreditation**

РПК 11/Version 2, rev. 1 from 17.01.2017 - Inspection procedure for Spectral analysis;

I ORDER

To issue the Certificate of accreditation reg. № 44 ОКА/30.01.2024, valid until 19.10.2026 and this order as an integral part of it.

This Certificate of Accreditation together with the Order to be received by the Managing Director of *to „CONTROL" OOD, Haskovo*, the head of the Inspection Body Type A 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 the certificate of accreditation with reg. № 44 ОКА/19.10.2022, and its enclosure EA BAS order № А № 612 ОКС/19.10.2022 as an integral part of it.

This order to be reported to „CONTROL" OOD, Haskovo, within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS