Republic of Bulgaria
Executive Agency
Bulgarian Accreditation Service

Signatory to the EA Multilateral Agreement in this fied

ORDER

№ A 612

Sofia, 19.10.2022

Pursuant to Art 10, para. 1, item 4 and Art. 28, para. 1 of the Law on National Accreditation of Conformity Assessment Bodies and item 6 of the BAS QR 2 Accreditation Procedure in connection with an open procedure reg. № 243/144 ОКА/ПА/25.03.2022, assessment report reg. № 243/44 ОКА/ПА/4/В/23.06.2022, and statement of the Accreditation Commission reg. № 243/44 ОКА/9/В/17.10.2022, I hereby

RE-ACCREDIT

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 of:

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;	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):	РПК1.	(НУБЕТНСН) (Official gazette, issue 64/2008, Chapter 1, art. 19 and art. 21); (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; Technical Specification (ТС).
			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 9.3-1;

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	elevating and transport equipment; machinery; constructions and elements for them; cisterns-basic metal, welded joints and their samples*.				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; 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.	Technical Specification (TC).
			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 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 surface and subsurface imperfections by means of Magnetic-particle testing (MT):	РПК 2	(НУБЕТНСН) (Official gazette, issue 64/2008, Chapter 1, чл. 21); (ПИПСМР), part "Buildings", Section "Non-destructive testing of metal and welded joints", art. 23 and table 9; (РД 153-34.1-003 (РТМ-1с)), Chapter 18.8, Item 18.3.4 and Table 18.2; Technical Specification (TC).
			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; ASME Code, Section VIII, Div. 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; 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 surface imperfections by means of Liquid Penetrant Testing (PT):	РПК3.	(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; Technical Specification (ТС).
			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; ASME Code, Section VIII, Div. 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; 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):	РПК4 of welded and soldered joints; РПК5 of castings.	(НУБЕТНСН) (Official gazette, issue 64/2008, Chapter 1, art. 19 and art. 21); (НУБЕТНГСИВВГ) (Official gazette, issue 82/2004, Chapter 2, Section XI, art. 105); (ПИПСМР), part "Buildings", Section "Non-destructive testing of metal and welded joints", art. 7, art. 30, art. 38, art. 44, art. 51; (РД 153-34.1-003 (РТМ-1с)), Chapter 18.5 and Tables 18.6, 18.7, 18.8 and 18.9; Technical Specification (ТС).
			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.	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 9.4-1; ASME Code, Section VIII, Div. 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; 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	Initial and/or periodic inspection of products and equipment - new and/or	Presence, type, size and location of indications of imperfections by means of	РПК 6- of castings and forgings;	(НУБЕТНСН) (Official gazette, issue 64/2008, Chapter 1, art. 19 and art. 21); (НУБЕТНГСИВВГ) (Official gazette, issue

	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*.	in service /operation.	Ultrasonic testing (UT):	РПК 7- of welded and soldered joints.	82/2004, Chapter 2, Section XI, art. 105); (ПИПСМР), part "Buildings", Section "Non-destructive testing of metal and welded joints", art. 14, art. 20 and art. 45; (РД 153-34.1-003 (РТМ-1с)),Chapter 18.5 and Table 18.10, and Table 18.11; Technical Specification (ТС).
			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 9234- cancelled with no replacement; БДС 10037- cancelled with no replacement; БДС 13598- cancelled with no replacement; БДС 14924- cancelled with no replacement; БДС 16323; БДС EN ISO 17640; БДС EN ISO 22825; БДС EN ISO 23279; ASME Code, Section V, Subsection A, Article 4; AWS Structural Welding Code D1.1/D1.1M, Clause 8, Part F	БДС EN ISO 5817; БДС 9824; БДС 10037- cancelled, with no replacement; БДС EN ISO 11666; БДС 13598- cancelled with no replacement; БДС 14924- cancelled with no replacement; ASME Code, Section VIII, Division 1, Appendix 12; AWS Structural Welding Code D1.1/D1.1M; 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 9234 (cancelled with no replacement); 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 9234 (cancelled with no replacement); БДС EN 10160;	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 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 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 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.	Wall thickness by means of Ultrasonic thickness measurement (UTM).	РПК 8; БДС EN ISO 16809; ASTM E797/E797M.	Technical Specification (TC).
	Equipment manufactured of metallic materials: cisterns-base metal and its samples*.	Periodic inspection of products and equipment - in service /operation.		РПК 8; 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; Technical Specification (TC).
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	ASME Code, Section IX, Part QW, Article I, Paragraph QW-153; Technical Specification (TC).
			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; ASME Code, Section IX, Part QW, Article I, Paragraph QW-150, Paragraph QW-152, ASTM A370.	
			bending	БДС 1084; БДС EN ISO 5173+A1; БДС EN ISO 7438; БДС EN ISO 8491; ASME Code, Section IX, Part QW, Article I, Paragraph QW-160, Paragraph QW-162, Paragraph QW-192.1.1; ASTM A370.	БДС EN ISO 7438; БДС EN ISO 8491; ASME Code, Section IX, Part QW, Article I, Paragraph QW-163, Paragraph QW-192.1.2; Technical Specification (TC).
			absorbed energy / impact toughness	БДС EN ISO 148-1; БДС EN ISO 9016; БДС 12114; ASTM A370.	Technical Specification (TC).
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).	РПК10. 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.	(РД 153-34.1-003 (РТМ-1с)), Chapter 18.4 and Table 18.3; Technical Specification (TC).

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.	РПК11 ** Validated method	(РД 153-34.1-003 (РТМ-1с)),Chapter 18.2, Table 18.1 and Annex 25; Technical Specification (ТС).
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.	РПК12; БДС EN 1593+A1; БДС 17111, Item III.2.	БДС EN 1593+A1; Technical Specification (ТС).
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	РПК13. БДС EN ISO 2178; БДС EN ISO 2360; БДС 15600.	Technical Specification (ТС).
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.	РПК14; БДС 15705+ Amendment 1	(НУБЕПРГСИУПГ) (Official gazette, issue 67/2004, Chapter II, Section II, art. 22, art. 2, Item 4, art. 23); (НУБЕТНГСИВВГ) (Official gazette, issue 82/2004, amended and supplemented, Official gazette, issue 103 from 12/2020, Chapter II, Section I, art. 15, art.3, Chapter II, Section II, art. 30, art. 1);

					БДС15705+ Amendment 1; Technical Specification (TC).
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).	РПК15 БДС EN 12927	(НБЕТНВЛ) (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); БДС EN 12927 Technical Specification (TC).
14.	Pipelines, tube bends and heating surfaces (tube coils, heat exchanging tubes)*.	Initial and/or periodic inspection of new and/or in service /operation.	Ovality	РПК16. 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. Technical Specification (TC).
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).	РПК17; 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.	БДС EN ISO 5817; БДС EN ISO 10042; ASME Code, Section IX, Part QW, Article I, Paragraph QW-182. Technical Specification (TC).

**For the fields of inspection marked with the sign "*", the introduction of a new version of standards/documents or standards/documents that replace them is allowed. An up-to-date list of standards/documents with their dated versions is provided by the Conformity Assessment Body.*

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.

** fixed scope of accreditation

РПК 11/ 10.01.2010 – РПК for Spectral analysis;

ТС – Technical Specification

I ORDER

To issue an Accreditation Certificate with reg. № 44 ОКА from 19.10.2022 valid until 19.10.2026, with application, this order, an integral part of it.

The Accreditation Certificate, together with the application, to be received by the manager/representative of "CONTROL" OOD, Haskovo City, the head of the Conformity Assessment Body or another authorized person in the building of the Executive Agency "Bulgarian Accreditation Service".

Upon receipt of the issued certificate and application, the accredited person is obliged to return to the Executive Agency "Bulgarian Accreditation Service" the originals of the Accreditation Certificate reg. № 44 ОКА from 16.06.2021 and the application - order № А 360 from 16.06.2021 issued by the Executive Agency "Bulgarian Accreditation Service".

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

Eng. Irena Borislavova

Executive Director of EA BAS