



Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 291

Sofia, 20.07.2023

On the grounds of art. 10, para. 1, item 3, item 4, art. 28, para. 1 and art. 30, para. 1 of the Law on the National Accreditation of Conformity Assessment Bodies and the respective item 6, item 7 of the Accreditation Procedure BAS QR 2 in connection with an open 424/292 OKA/ПА/PO/23.12.2022, report № 424/292 OKA/ПА/PO/B/28.04.2023, annex № 424/292 OKA/ПА/PO/008/B/22.06.2023 and statement of the Accreditation Commission № 424/292 OKA/ПА/PO/10/B/11.07.2023, I hereby

RE-ACCREDIT AND EXTEND THE SCOPE OF ACCREDITATION

at SGS BULGARIA LTD, SOFIA

Inspection body „Control and Diagnostics of Equipment“ type A

Management address:

1784, Sofia, Mladost district, 115 G Tsarigradsko Shose Blvd., MEGAPARK Business Center, floor 6, office C

Office address:

8104, Burgas, Production site of LUKOIL NEFTOHIM BURGAS JSC, Nondestructive Testing Building

To perform inspection according to the following scope:

Type of the scope: flexible for part of the scope *					
№	Field of Inspection	Type of Inspection	Parameter of Inspection / Characteristic	Test and Measurement Methods Used During Inspection, Inspection Procedure	Regulations, Standards, Specifications, Schemes
1	2	3	4	5	6
1.	Pipelines - technological and main pipelines for different environments, incl. vapour, hot water, crude oil and petroleum products; gas facilities and installations, tanks for storage of different media, incl. crude oil and petroleum products; pressure vessels, incl. high and low-pressure boilers;	Initial and/or periodic inspection of new and/or used/operated sites/facilities/processes/products	Type and size of non-integrities/imperfections	Ultrasound testing: РПК 00-05 БДС 9233 БДС 9234 (cancelled without replacement) БДС 13661 БДС 9824 БДС 10037 (cancelled without replacement) БДС EN 10160 БДС EN ISO 10893-8 БДС EN ISO 10893-8/A1 БДС 13598 (cancelled without replacement) БДС EN ISO 17640 БДС EN ISO 16810 БДС EN ISO 16811 БДС EN ISO 16823 БДС EN ISO 16826	OCSOTSPE, Art. 19, Art. 21, Art. 53, (SG № 64/2008) OCSOTDPFIANG, Art. 9, Art. 127, (SG № 67/2004) OCSOTSGFILHG, Art. 105 (SG № 82/2004) OCSOOOPP, Art, 7, Art. 26 (SG № 104/2004) IMIETCESBTPTPP, NEK, 1996 OMTOP LNB (HK1-03-502-6.3) IDORSOSPP LNB (IK 1-02-016-6.3) БДС EN ISO 17635 БДС 13661 БДС EN 10160 БДС EN ISO 10893-8

Type of the scope: *flexible for part of the scope **

№	Field of Inspection	Type of Inspection	Parameter of Inspection / Characteristic	Test and Measurement Methods Used During Inspection, Inspection Procedure	Regulations, Standards, Specifications, Schemes
1	2	3	4	5	6
	elements and systems of turbines; lifting and handling machines and equipment; machinery, equipment, structures and components for them - basic metal and welded joints; rolled products, casts and forgings			БДС EN ISO 16827 БДС EN ISO 23279 БДС EN ISO 6520-1 БДС EN 10228-3 БДС EN 10228-4 БДС EN 12680-1 БДС EN 12680-2 БДС EN 12680-3 БДС EN 10306 БДС EN 10307 БДС EN 10308 ISO 4386-1	БДС EN ISO 10893-8/A1 БДС EN ISO 11666 БДС EN 14015 БДС EN 13445-5 БДС EN 13480-5 БДС EN 14163 БДС EN 14163/AC БДС EN 12732 БДС EN ISO 5817 БДС EN 10228-3 БДС EN 10228-4 БДС EN 12680-1 БДС EN 12680-2 БДС EN 12680-3 БДС EN 10306 БДС EN 10307 БДС EN 10308 ISO 4386-1 ASME B 31.3 НП -084 НП-105 ГОСТ Р 50.05.17 СНП 3.05-05 TS
2.	Pipelines — technological and main pipelines for different environments, incl. vapour, hot water, crude oil and petroleum products; gas facilities and installations, tanks for storage of different media, incl. crude oil and petroleum products; pressure vessels, incl. high and low-pressure boilers; elements and systems of turbines; lifting and handling machines and equipment; machinery, equipment, and structures and components for	Initial and/or periodic inspection of new and/or used/ operated sites/ facilities/ processes/ products	Testing of wall thickness, by using ultrasonic testing method	Wall thickness: РПК 00-01 БДС EN ISO 16809	OCSOTSPE, Art. 53, (SG № 64/2008) OCSOTDPFIANG, Art. 9, Art. 87, Art. 127, (SG № 67/2004) OCSOTSGFILHG, Art. 5, Art. 6 (SG № 82/2004) OCSOOOPP, Art. 7, Art. 13 (SG № 104/2004) IMIETCESBTPTPP, NEK, 1996 ОМТОР LNB (HK1-03-502-6.3) IDORSOSPP LNB (ИК 1-02-016-6.3) TS

Type of the scope: flexible for part of the scope *

№	Field of Inspection	Type of Inspection	Parameter of Inspection / Characteristic	Test and Measurement Methods Used During Inspection, Inspection Procedure	Regulations, Standards, Specifications, Schemes
1	2	3	4	5	6
	them - basic metal and welded joints; rolled products, casts and forgings.				
3.	Pipelines — technological and main pipelines for different environments, incl. vapour, hot water, crude oil and petroleum products; gas facilities and installations, tanks for storage of different media, incl. crude oil and petroleum products; pressure vessels, incl. high and low-pressure boilers; elements and systems of turbines; lifting and handling machines and equipment; machinery, equipment, structures and components for them - basic metal and welded joints; rolled products, casts and forgings	Initial and/or periodic inspection of new and/or used/ operated sites/ facilities/ processes/ products.	Type and size of non-integrities/ imperfections	Radiographic testing: РПК 00-04 БДС EN 12681-1 БДС EN ISO 17636-1 БДС EN ISO 5579 БДС EN ISO 10893-6 ГОСТ Р 50.05.07	OCSOTSPE, Art. 19, Art. 21, Art. 53, (SG № 64/2008) OCSOTDPFIANG, Art. 9, Art. 127, (SG № 67/2004) OCSOTSGFILHG, Art. 105 (SG № 82/2004) OCSOOOPP, Art. 7, Art. 26 (SG № 104/2004) IMIETCESBTPTPP, NEK, 1996 ОМТОР LNB (HK1-03-502-6.3) IDORSOSPP LNB (ИК 1-02-016-6.3) БДС EN ISO 6520-1 БДС EN ISO 10042 БДС EN 14015 БДС EN 14163 БДС EN 14163/AC БДС EN 12732 БДС EN 13445-5 БДС EN 13480-5 БДС EN ISO 5817 БДС EN ISO 17635 БДС 13060 БДС EN ISO 10675-1 БДС EN ISO 10675-2 ASME B 31.3 БДС EN ISO 10893-6 НП-084 НП-105 ГОСТ Р 50.05.17 СНП 3.05-05 TS
4.	Pipelines — technological and main pipelines for different environments, incl. vapour, hot water, crude oil and	Initial and/or periodic inspection of new and/or used/ operated sites/ facilities/	Type and size of surface and subsurface non-integrities/ indications	Magnetic-particle testing: РПК 00-02 БДС 7156 БДС 15575 БДС 15575/ Amendment 1 БДС EN 1369	OCSOTSPE, Art. 21, Art. 53, (SG № 64/2008) OCSOTDPFIANG, Art. 9, Art. 127, (SG № 67/2004) OCSOOOPP, Art. 7

Type of the scope: flexible for part of the scope *

№	Field of Inspection	Type of Inspection	Parameter of Inspection / Characteristic	Test and Measurement Methods Used During Inspection, Inspection Procedure	Regulations, Standards, Specifications, Schemes
1	2	3	4	5	6
	petroleum products; gas facilities and installations, tanks for storage of different media, incl. crude oil and petroleum products; pressure vessels, incl. high and low-pressure boilers; elements and systems of turbines; lifting and handling machines and equipment; machinery, equipment, and structures and components for them - basic metal and welded joints; rolled products, casts and forgings	processes/ products		БДС EN ISO 17638 БДС EN ISO 9934-1 БДС EN 10228-1 БДС EN ISO 10893-5	(SG № 104/2004) ИМИТЭСБТРТПП, NEK, 1996 ОМТОР LNB (HK1-03-502-6.3) IDORSOSPP LNB (ИК 1-02-016-6.3) БДС EN ISO 6520-1 БДС EN 14015 БДС EN 14163 БДС EN 14163 / AC БДС EN 12732 БДС EN 13445-5 БДС EN 13480-5 БДС EN ISO 17635 БДС EN ISO 23278 БДС EN 1369 БДС EN ISO 5817 БДС EN 10228-1 БДС EN ISO 10893-5 ASME B 31.3 НП-084 НП-105 ГОСТ Р 50.05.17 СНП 3.05-05 TS
5.	Pipelines — technological and main pipelines for different environments, incl. vapour, hot water, crude oil and petroleum products; gas facilities and installations, tanks for storage of different media, incl. crude oil and petroleum products; pressure vessels, incl. high and low-pressure boilers; elements and systems of turbines; lifting and handling machines and equipment; machinery, equipment, structures and components for	Initial and/or periodic inspection of new and/or used/ operated sites/ facilities processes/products	Type and size of non-integrities / indications opened to the surface	Liquid penetrate testing: РПК 00-03 БДС EN 1371-1 БДС EN 1371-2 БДС EN ISO 3452-1 БДС EN ISO 3452-3 БДС 15830 БДС EN 10228-2 БДС EN ISO 10893-4 ISO 4386-3 ГОСТ Р 50.05.09	OCSOTSPE, Art. 21, Art. 53, (SG № 64/2008) OCSOTDPFIANG, Art. 9, Art. 127, (SG № 67/2004) OCSOOOPP, Art. 7 (SGN° 104/2004) ИМИТЭСБТРТПП, NEK, 1996 ОМТОР LNB (HK1-03-502-6.3) IDORSOSPP LNB (ИК 1-02-016-6.3) БДС EN ISO 6520-1 БДС EN ISO 17635 БДС EN ISO 23277 БДС EN 14015 БДС EN 14163 БДС EN 14163/AC БДС EN 12732 БДС EN 13445-5 БДС EN 13480-5 БДС EN 1371-1 БДС EN 1371-2 БДС EN ISO 5817 БДС EN 10228-2 БДС EN ISO 10893-4 ISO 4386-3

Type of the scope: flexible for part of the scope *

№	Field of Inspection	Type of Inspection	Parameter of Inspection / Characteristic	Test and Measurement Methods Used During Inspection, Inspection Procedure	Regulations, Standards, Specifications, Schemes
1	2	3	4	5	6
	them - basic metal and welded joints; rolled products, casts and forgings				ASME B 31.3 НП-084 НП-105 ГОСТ Р 50.05.17 СНП 3.05-05 TS
6.	Pipelines — technological and main pipelines for different environments, incl. vapour, hot water, crude oil and petroleum products; gas facilities and installations, tanks for storage of different media, incl. crude oil and petroleum products; pressure vessels, incl. high and low-pressure boilers; elements and systems of turbines; lifting and handling machines and equipment; machinery, equipment, and structures and components for them - basic metal and welded joints; rolled products, casts and forgings	Initial and/or periodic inspection of new and/or used/operated sites/ facilities/ processes/ products	Type and size of non-integrities / indications opened to the surface	Visual testing: РПК 00-40 БДС EN 1370 БДС EN 13018 БДС EN 13018/A1 БДС 5177 БДС EN ISO 17637 ГОСТ Р 50.05.08	OCSOTSPE, Art. 19, Art. 21, Art. 53, (SG № 64/2008) OCSOTDPFIANG, Art. 9, Art. 127, (SG № 67/2004) OCSOOOPP, Art. 7 (SG № 104/2004) ОМТОР LNB (НК1-03-502-6.3) IDORSOSPP LNB (ИК 1-02-016-6.3) БДС EN ISO 6520-1 БДС EN ISO 17635 БДС EN 14015 БДС EN 14163 БДС EN 14163/AC БДС EN 12732 БДС EN 13445-5 БДС EN 13480-5 БДС EN ISO 10042 БДС EN ISO 5817 НП-084 НП-105 ГОСТ Р 50.05.17 СНП 3.05-05 TS
7.	Pipelines — technological and main pipelines for different environments, incl. vapour, hot water, crude oil and petroleum products; gas facilities and installations, tanks for storage of different media, incl. crude oil and petroleum products;	Initial and/or periodic inspection of new and/or used/operated sites/ facilities/ processes/ products	Tightness rate – presence/absence of leakage	Gas hydraulic method of testing with use of foaming compositions. Method of testing: bubbling test: РПК 00-41 БДС 17111, III. 2 БДС EN 1593 БДС EN 1593/A1	OCSOTSPE, Art. 19, Art. 21, Art. 53, (SG № 64/2008) OCSOTDPFIANG, Art. 9, Art. 127, (SG № 67/2004) OCSOOOPP, Art. 7 (SG №104/2004) ОМТОР LNB (НК1-03-502-6.3) IDORSOSPP LNB (ИК 1-02-016-6.3) БДС EN 13445-5 БДС EN 13480-5 БДС EN 1593 БДС EN 1593/A1 TS

Type of the scope: flexible for part of the scope *

№	Field of Inspection	Type of Inspection	Parameter of Inspection / Characteristic	Test and Measurement Methods Used During Inspection, Inspection Procedure	Regulations, Standards, Specifications, Schemes
1	2	3	4	5	6
	pressure vessels, incl. high and low-pressure boilers; elements and systems of turbines; lifting and handling machines and equipment; machinery, equipment, structures and components for them - basic metal and welded joints; rolled products, casts and forgings				
8.	Pipelines — technological and main pipelines for different environments, incl. vapour, hot water, crude oil and petroleum products; gas facilities and installations, tanks for storage of different media, incl. crude oil and petroleum products; pressure vessels, incl. high and low-pressure boilers; elements and systems of turbines; lifting and handling machines and equipment; machinery, equipment, and structures and components for them - basic metal and welded joints; rolled products, casts and forgings	Initial and/or periodic inspection of new and/or used/ operated sites/ facilities/ processes/ products	Hardness testing by: Brinell, HB-once; Vickers, HV-once; Rockwell, HRC-once By Leeb's method	Hardness testing: РПК 00-09 БДС EN ISO 16859-1	OCSOTSPE, Art. 53 (SG № 64/2008) ИМІЕТСЕСВТРТРР NEK, 1996 ОМТОР LNB (HK1-03-502-6.3) IDORSOSPP LNB (ИК 1-02-016-6.3) БДС 4758 БДС 8424 БДС 8308 БДС 15018 БДС 6942 БДС 9625 БДС 16840 БДС EN 14015 БДС EN 12952-6 БДС EN 13445-5 БДС EN 13480-5 TS
9.	Steel metal products	Initial and/or periodic inspection of	Content of chemical elements by spectral analysis in steels:	Spectral analysis РПК 00-15 ФН М 004-2017**	OCSOTSGFILHG, Art. 5 (SG № 82/2004) OCSOOOPP, Art. 25

Type of the scope: <i>flexible for part of the scope *</i>					
№	Field of Inspection	Type of Inspection	Parameter of Inspection / Characteristic	Test and Measurement Methods Used During Inspection, Inspection Procedure	Regulations, Standards, Specifications, Schemes
1	2	3	4	5	6
		new and/or used/ operated sites/ facilities/ processes/ products	Carbon -C Manganese - Mn Chromium - Cr Nickel Ni Silicon - Si Copper - Cu Titanium -T Molybdenum - Mo Vanadium - V Cobalt - Co Aluminum - Al Tungsten - V		(SG № 104/2004) IMIETCESBTPTPP, NEK, 1996 IDORSOSPP LNB (ИК 1-02-016-6.3) Stahlschlüssel БДС EN 14015 БДС EN 13445-5 БДС EN 13480-5 БДС 9801 БДС 13568 БДС 4758 TS
10	Elbows and pipe from conduits, heating surfaces and turbine shafts through linear dimensions	Initial and/or periodic inspection of new and/or used/ operated sites/ facilities/ processes/ products	Ovality	Geometrical dimension testing: РПК 00-06 БДС EN 12952-5, p.7.3 БДС EN 13480-4, p.7.4 IMIETCESBTPTPP, NEK, 1996	IMIETCESBTPTPP, NEK, 1996 БДС EN 12952-5 БДС EN 13480-4 TS
11	Dielectric insulating anticorrosion coating of vessels, pressure vessels, gas facilities and installations, pipelines, machinery and equipment, structures and components for them	Initial and/or periodic inspection of new and/or used/ operated sites/ facilities/ processes/ products	Thickness and overall dielectric insulating anticorrosion coating: presence/absence of puncture	Inspection by electric spark method: РПК 00-42 БДС 15705/amendment 1	OCSOTSPE, Art.19, Art.21, Art.53 (SG № 64/2008 amd. SG № 60/2018) OCSOTSGFILHG, (SG, № 82/2004, amd. SG, №64/2008) OCSOTDPFIANG, Art. 9, Art.127 (SG № 67/2004, amd. SG, № 60/2018) OCSOOOPP, Art. 7 (SG, № 104/2004, amd. SG, №60/2018) OMTOP LNB (HK1-03-502-6.3) IDORSOSPP LNB (ИК 1-02-016-6.3) БДС 15705 /amendment 1 TS
12	Pipelines - technological and main pipelines for different environments, incl. vapour, hot water, crude oil and petroleum products; gas facilities and installations, tanks for	Initial and/or periodic inspection of new and/or used/ operated sites/ facilities/ processes/ products	Coating thickness - Thickness of non-conductive coatings or non-magnetic and metallic coatings on metallic and non-metallic base	Measurement of coating thickness of ferritic and non-ferritic metal surfaces by magnetic induction method: Eddy current inspection methods: РПК 00-38;	БДС EN ISO 2808; БДС EN ISO 8503-1 БДС ISO 19840; БДС EN ISO 21968; БДС EN ISO 2360; TS

Type of the scope: *flexible for part of the scope **

№	Field of Inspection	Type of Inspection	Parameter of Inspection / Characteristic	Test and Measurement Methods Used During Inspection, Inspection Procedure	Regulations, Standards, Specifications, Schemes
1	2	3	4	5	6
	storage of different media, incl. crude oil and petroleum products; pressure vessels, incl. for transportation of compressed, liquefied, gases dissolved under pressure and cryogenic liquids; high and low-pressure boilers; elements and systems of turbines; lifting and handling machines and equipment; machinery, equipment, structures and components for them - basic metal and welded joints; rolled products, casts and forgings.		- Thickness of non-magnetic coatings on a magnetic base	БДС EN ISO 2808; БДС EN ISO 2360; БДС EN ISO 1968. Magnetic-particle inspection: РПК 00-38; БДС EN ISO 2808; БДС EN ISO 2178; БДС EN ISO 2361.	
13	Pipelines - technological and main pipelines for different environments, incl. vapour, hot water, crude oil and petroleum products; gas facilities and installations, tanks for storage of different media, incl. crude oil and petroleum products; pressure vessels, incl. for transportation of compressed,	Initial and/or periodic inspection of new and/or used/ operated sites/ facilities/ processes/ products	Average roughness / surface profile	Determination of average roughness surface profile: РПК 00-39 БДС EN ISO 8503-1 БДС EN ISO 8503-4	БДС EN ISO 8503-1 БДС EN ISO 8503-4 TS

Type of the scope: <i>flexible for part of the scope *</i>					
№	Field of Inspection	Type of Inspection	Parameter of Inspection / Characteristic	Test and Measurement Methods Used During Inspection, Inspection Procedure	Regulations, Standards, Specifications, Schemes
1	2	3	4	5	6
	liquefied, gases dissolved under pressure and cryogenic liquids; high and low-pressure boilers; elements and systems of turbines; lifting and handling machines and equipment; machinery, equipment, structures and components for them - basic metal and welded joints; rolled products, casts and forgings.				

***Flexible scope:**

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 bodies.

OCSOTSPE - Ordinance adopted with CM Decree № 164, Ordinance on the Construction, Safe Operation and Technical Surveillance of Pressure Equipment (SG № 64/2008);

OCSOTDPFIANG –Ordinance adopted with CM Decree № 171, Ordinance on the Construction and Safe Operation of the Transmission and Distribution Pipelines and of the Facilities, Installations and Appliances for Natural Gas 67/2004);

OCSOTSGFILHG - Ordinance adopted with CM Decree № 243, Ordinance on the Construction, Safe Operation and Technical Surveillance of Gas Facilities and Installations for Liquefied Hydrocarbon Gases (SG № 82/2004);

OCSOOOPP - Ordinance on the Construction and Safe Operation of Oil and Oil Product Pipelines (SG № 104/2004);

IMIETCESBTPTPP - Instruction on Metal Inspection and Evaluation of Technical Condition of Elements and Systems of Boilers, Turbines and Pipeworks at TPPs, NEK EAD, 1996;

Stahlschlüssel - Steel key, Publisher: Verlag Stahlschlüssel, Wegst GmbH;

НП-084-15 - Federal norms and rules in the field of the use of nuclear energy "Rules for the control of base metal, welded joints and welded surfaces during the operation of equipment, pipelines and other elements of nuclear power plants", Approved by order of the Federal Service for Ecological, Technological and Nuclear Supervision dated December 7, 2015 № 502, Registered with the Ministry of Justice of Russia on March 10, 2016 № 41366, Update date: 01/01/2019;

СНП 3.05.05-84 - Building regulations. Technological equipment and technological pipelines (Approved by the Decree of the USSR Gosstroy of May 7, 1984 № 72), Publishing House of the Federal State Unitary Enterprise TsPP, Moscow 1985, Update date: 01/01/2019;

OMTOP LNB (HK 1-03-502-6.3)- Ordinance on Metal Tank Operation and Repair, Lukoil Neftochim Bourgas;

IDORSOSPP LNB (HK 1-02-016-6.3) - Instruction on the Design, Operation, Repair and Safe Operation of Steel Process Pipelines at Lukoil Neftochim Bourgas;

TS - Technical Specification.

**** Fixed scope**

ΦH M 004-2017 - Validated in-house methodology, Spectral Method for Chemical Analysis of Steel Metal Products, 01.08.2017.


I ORDER

The issuance of Certificate of accreditation reg. № 292 OKA from 20.07.2023, valid until 20.07.2027, with 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, the Head of the CAB, or other authorized person in the office of EA BAS.

Upon receipt of the issued certificate and the enclosure, the accredited person shall return to EA BAS the originals of the Certificate of accreditation reg. № 292 OKA of 15.04.2022 and the enclosure.

This Order shall be notified to legal entity/sole trader within 3 (three) days as from its issuance.


Dipl. Eng. IRENA BORISLAVOVA
Executive Director
EA BAS