



Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 458

Sofia, 05.12.2024

Pursuant to Art 10 para. 1, item 3 and Art. 30 para. 1 of the Act on National Accreditation of Conformity Assessment Bodies and the relevant section 4.3.7 of the BAS QR 2 Accreditation Procedure in relation to an open procedure with registered No. 424/292 OKA/PO/10.07.2024, Evaluation Report No. 424/292 OKA/PO/9/B/01.08.2024, and Annex G-2 with reg. No. 424/292 OKA/ PO/11/B/02.09.2024, opinion of the Accreditation Commission with registered No. 424/292 OKA/ PO/ 12/B/02.12.2024,

I HEREBY EXTEND THE SCOPE OF ACCREDITATION

at „SGS BULGARIA“ EOOD, 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	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	НУБЕТНЧ, Art. 19, Art. 21, Art. 53, (SG № 64/2008) НУБЕПРГСИУПГ, Art. 9, Art. 127, (SG № 67/2004) НУБЕТНГСИБВГ, Art. 105

	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			(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 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	(SG № 82/2004) НУБЕНПНПП, Art. 7, Art. 26 (SG № 104/2004) ИКМОТЦЕСКТТТЕЦ, НЕК, 1996 НЕРМР "ЛНБ" (НК1-03-502-6.3) ИПЕРБРСТТ"ЛНБ" (ИК 1-02-016-6.3) БДС EN ISO 17635 БДС 13661 БДС EN 10160 БДС EN ISO 10893-8 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,	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	НУБЕТНЧН, Art. 53, (SG № 64/2008) НУБЕПРГСИУПГ, Art. 9, Art. 87, Art. 127, (SG № 67/2004) НУБЕТНГСИБВГ, Art. 5, Art. 6 (SG № 82/2004) НУБЕНПНПП, Art. 7, Art. 13 (SG №

	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.				104/2004) ИКМОТСЕЦКТТТЕЦ, НЕК, 1996 ОМТОР LNB (HK1-03-502-6.3) IDORSOSPP LNB (ИК 1-02-016-6.3) TS
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	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	НУБЕТНЧН, Art. 19, Art. 21, Art. 53, (SG № 64/2008) НУБЕПРГСИУПГ, Art. 9, Art. 127, (SG № 67/2004) НУБЕТНГСИБВГ, Art. 105 (SG № 82/2004) НУБЕНПНПП, Art. 7, Art. 26 (SG № 104/2004) ИКМОТСЕЦКТТТЕЦ, НЕК, 1996 ОМТОР LNB (HK1-03-502-6.3) ИПЕРБРСТТ "ЛНБ" (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

	components for them - basic metal and welded joints; rolled products, casts and forgings				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 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 surface and subsurface non-integrities/ indications	Magnetic-particle testing: РПК 00-02 БДС 7156 БДС 15575 БДС 15575/ Amendment 1 БДС EN 1369 БДС EN ISO 17638 БДС EN ISO 9934-1 БДС EN 10228-1 БДС EN ISO 10893-5	НУБЕТНЧ, Art. 21, Art. 53, (SG № 64/2008) НУБЕПРГСИУПГ, Art. 9, Art. 127, (SG № 67/2004) НУБЕНПНПП, Art. 7 (SG № 104/2004) ИКМОТСЕСКТТТЕЦ, НЕК, 1996 ИПЕРБРСТТ"ЛНБ" (НК1-03-502-6.3) IDORSOSP 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.	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	НУБЕТНЧ, Art. 21, Art. 53, (SG № 64/2008) НУБЕПРГСИУПГ, Art. 9, Art. 127, (SG № 67/2004) НУБЕНПНПП, Art. 7 (SG № 104/2004) ИКМОТСЕСКТТТЕЦ, НЕК, 1996 НЕРМР LNB (НК1-03-502-6.3) ИПЕРБРСТТ LNB (ИК 1-02-016-6.3) БДС EN ISO 6520-1 БДС EN ISO 17635 БДС EN ISO 23277

	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				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 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	НУБЕТНЧ, Art. 19, Art. 21, Art. 53, (SG № 64/2008) НУБЕПРГСИУПГ, Art. 9, Art. 127, (SG № 67/2004) НУБЕНПНПП, Art. 7 (SG № 104/2004) 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 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	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	НУБЕТНЧ, Art. 19, Art. 21, Art. 53, (SG № 64/2008) НУБЕПРГСИУПР, Art. 9, Art. 127, (SG № 67/2004) НУБЕНПНПП, Art. 7 (SG № 104/2004)

	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				HEPMP LNB (HK1-03-502-6.3) IDORSOSPP LNB (ИК 1-02-016-6.3) БДС EN 13445-5 БДС EN 13480-5 БДС EN 1593 БДС EN 1593/A1 TS
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	НУБЕТНЧ, Art. 53 (SG № 64/2008) ИКМОТСЕКТТТЕЦ НЕК, 1996 HEPMP 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 new and/or used/ operated sites/ facilities/ processes/ products	Content of chemical elements by spectral analysis in steels: Carbon -C Manganese - Mn Chromium - Cr Nickel Ni Silicon - Si Copper - Cu Titanium -T Molybdenum - Mo Vanadium - V Cobalt - Co Aluminum - Al Tungsten - V	Spectral analysis РПК 00-15 ФН М 004-2017**	НУБЕТНГСИВВГ, Art. 5 (SG № 82/2004) НУБЕНПНПП, Art. 25 (SG № 104/2004) ИКМОТСЕКТТТЕЦ, NEK, 1996 ИПЕРБРСТТ 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 ИМИЕТСЕСБТРТТТ, NEK, 1996	ИКМОТСЕКТТТТЕЦ, 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	НУБЕТНГСИВВГ, Art.19, Art.21, Art.53 (SG № 64/2008 amd. SG № 60/2018) НУБЕТНГСИВВГ, (SG, № 82/2004, amd. SG, №64 /2008) НУБЕПРГСИУПГ, Art. 9, Art.127 (SG № 67/2004, amd. SG, № 60/2018) ОССОООП, Art. 7 (SG, № 104/2004, amd. SG, №60/2018) ОМТОР 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,	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 2808; БДС EN ISO 8503-1 БДС ISO 19840; БДС EN ISO 21968; БДС EN ISO 2360; TS

	tanks for 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 2360; БДС EN ISO 21968. 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, liquefied, gases dissolved under pressure and cryogenic	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

	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.				
14.	Destructive testing of: pipelines - technological and main pipelines for various environments, incl. vapour, hot water, crude oil and petroleum products; gas facilities and installations, tanks for storage of various media, incl. crude oil and petroleum products; pressure vessels, incl. for transportation of compressed, liquefied, pressure-dissolved gases and cryogenic liquids; high and low-pressure boilers; components and systems of turbines; lifting and transporting machines and equipment; machinery, equipment, and structures and components for them - basic metal and welded	Initial and/or periodic inspection of new and/or used/operated sites/facilities/ processes/ products	Minimum stress/ tensile strength under adhesion of single-layer or multi-layer systems of paints, varnishes	Determination of minimum tensile stress/strength under adhesion of single-layer or multi-layer systems of paints, varnishes: РПК 00-10 БДС EN ISO 4624, БДС EN ISO 16276-1	БДС EN ISO 13076 БДС EN ISO 16276-1 TS

	joints; profiled and rolled products, casts and forgings				
15.	Destructive testing of: Pipelines - technological and main pipelines for various environments, incl. vapour, hot water, crude oil and petroleum products, gas facilities and installations, tanks for storage of various media, incl. crude oil and petroleum products; pressure vessels, incl. for transportation of compressed, liquefied, pressure-dissolved gases and cryogenic liquids; high and low-pressure boilers; components 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	Appearance of the surface in the area of cross-cut testing of single-layer or multi-layer systems of paints, varnishes	Visual method of cross-cut testing: РПК 00-11 БДС EN ISO 2409 БДС EN ISO 16276-2	БДС EN ISO 13076 БДС EN ISO 2409 БДС EN ISO 16276-2

***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.

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

НУБЕПРГСНУП - 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);

НУБЕТНГСИВВГ - 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);
НУБЕНПНП - Ordinance on the Construction and Safe Operation of Oil and Oil Product Pipelines (SG № 104/2004);
ИКМОТСЕКТТЕЦ - 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;
НЕРМР „ЛНБ“ (НК 1-03-502-6.3) - Ordinance on Metal Tank Operation and Repair, Lukoil Neftochim Bourgas;
ИПЕРБРСТТ „ЛНБ“ (ИК 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**

ФН М 004-2017 - Validated in-house methodology, Spectral Method for Chemical Analysis of Steel Metal Products, 01.08.2017

I ORDER

To issue the Certificate of accreditation reg. № 292 OKA/05.12.2024, valid until 20.07.2027 and this order as an integral part of it.

The Certificate of accreditation with the enclosure should be obtained from the executive director of „SGS BULGARIA“ EOOD, SOFIA, the head of the Inspection body „Control and Diagnostics of Equipment“ type A, or other authorized person in the office of EA BAS.

Upon receipt of the certificate issued and enclosure, the accredited person is obliged to return to EA BAS the originals of the certificate of accreditation with reg. № 292 OKA/20.07.2023 valid until 20.07.2027 and its enclosure order of EA BAS № A 291/20.07.2023.

This Order shall be notified to of „SGS BULGARIA“ EOOD, SOFIA within 3 (three) days from its issuance.

Eng. Irena Borislayova

Executive Director of EA BAS

