



ORDER

No. A 492

Sofia, 11.08.2021

Pursuant to Art.10, para. 1, item 2a and Art. 32, item 1 of the Law on National Accreditation of Conformity Assessment Bodies and item 5.3.1 in connection with item 4.3.8. f) of BAS QR 2 Accreditation Procedure, in connection with report ref. No 345/3 OKC/14/B/12.05.2021, and order of EA BAS No A 491/11.08.2021, I hereby

I AMEND ORDER № 454/29.07.2020

INSPECTION BODY of TYPE C at „MARS-2001-1" LTD

Management and office address: 2600 Dupnitsa, 213, „St. Ivan Rilski" Str.

To perform inspection according to the following scope:

Type of scope: flexible					
№	Scope of inspection	Type of inspection	Inspection Parameter/characteristic	Testing/measuring methods applied during inspection	Regulations, standards, specifications, diagrams
1	2	3	4	5	6
1.	Electrical systems and equipment up to 1000 V	New and/or in exploitation facilities/equipment	Insulation resistance	БДС 1986 p. 3.3 a), b), d) and e) ПК03	Ordinance № 3, (State Gazette No90 and No91/2004); Ordinance № 16-116 (SG No26/2008); Ordinance № 1 (SG No46/2010); Technical specification
			Impedance Zs of the loop "phase - protective conductor"	ПК04	Ordinance № 3, (State Gazette No 90 and No 91/2004); Ordinance № 16-116 (SG No 26/2008); Technical specification
			Resistance of earthing protection systems	ПК 02	Technical specification
			Resistance of Grounding Electrode Subsystem of Lightning protection systems	ПК01	Ordinance № 4/ State Gazette No 6/2011; Technical specification

2.	Electrical installation and equipment up to 1000 V - Residual current circuit breakers (FI circuit breakers)	New and/or in exploitation facilities/equipment	Trigger current, Earth resistance of protective earthing.	ПК13	Ordinance № 3, (State Gazette No90 and No91/2004); Ordinance № 16-116 (SG No26/2008); Technical specification
3.	Physical factors				
3.1	Artificial lighting of work and residential environment	New and/or in exploitation facilities/equipment	Illuminance	Methodical instructions for measurement and evaluation of artificial lighting in buildings 40-85, published by "Standardization", 1985 ПК05	Ordinance № 49 (SG No 7/1976); Ordinance №24 (SG No 95/2003); Ordinance № 9 (SG No46/1994); Ordinance № 2 (SG No 15/2007); Ordinance № 3 (SG No15/2007); Ordinance № 26 (SG No103/2008); БДС EN 12464-1; Technical specification
3.2	Occupational noise	New and/or in exploitation facilities/equipment	Daily noise exposure level; Average weekly noise exposure level; C-weighted peak sound pressure level	БДС EN ISO 9612 (БДС ISO 1999) ПК06	Ordinance № 6 (SG No70/2005) ; Technical specification
3.3	Noise at premises of residential and public buildings	New and/or in exploitation facilities/equipment	Noise level; Equivalent noise level.	БДС 15471 ПК 06	Ordinance № 6 (SG No 58/2006 – Annex No2, Table 1); Ordinance № 9 (SG No46/1994); Ordinance № 24 (SG No 95/2003); Ordinance № 2 (SG No 15/2007); Ordinance № 26 (SG No103/2008) Technical specification
3.4	Environmental noise	New and/or in exploitation facilities/equipment	Equivalent noise level	БДС 15471 ПК 06	Ordinance № 6 (SG No 58/2006 – Annex No2, Table 2) ; Technical specification
3.5	Microclimate of work and residential environment	New and/or in exploitation facilities/equipment	Air temperature; Relative humidity of air; Air velocity	БДС 16686; Ordinance № RD-07-3 (SG No 63/2014); ПК07	Ordinance № 9 (SG No46/1994); Ordinance № 2 (SG No 15/2007); Ordinance № 24 (SG No 95/2003); Ordinance № 3 (SG No15/2007);

					Ordinance № 26 (SG No103/2008); БДC 14776; Ordinance № RD-07-3 (SG No 63/2014); Technical specification
4.	Electromagnetic field from 40 Hz to 280 kHz	New and/or in exploitation facilities/equipment	Electric field intensity; Magnetic induction (Magnetic flux density at $B \leq 2000 \mu T$)	Methodology for testing and evaluation of electromagnetic radiation from video display units (Collection of methods for hygienic research, Vol.I, National Center for Hygiene, Medical Ecology and Nutrition /NCHMEN, Sofia, 1999) ПК08; Methodology for testing and evaluation of electromagnetic radiation in high-voltage substations (Open air switchgear and enclosed switchgear) and transformer stations (Compendium of methods for hygienic research, Vol.IV, National Center for Hygiene, Medical Ecology and Nutrition /NCHMEN, Sofia, 1999) ПК14	Ordinance № 2 (SG No 15/2007); Ordinance № 9 (SG No 46/1994); Ordinance № RD-07-5 (SG No 95/2016); Technical specification
5.	Ventilation systems	New and/or in exploitation facilities/equipment	Air duct velocity; Ventilation rate	БДC 12.3.018 ПК09	Ordinance № 24 (SG No 95/2003); Ordinance № 15 (SG No 68/2005); Technical specification
6.	Air-conditioning systems	New and/or in exploitation facilities/equipment	Relative humidity of air; Air temperature.	БДC 16686; Ordinance № RD-07-3 (SG No 63/2014); ПК12	Ordinance № 15 (SG No 68/2005); Ordinance № RD-07-3 (SG No 63/2014); БДC 14776; Technical

					specification
7.	Chemical factors in workplace air				
7.1	Chemical agents	New and/or in exploitation facilities/equipment	Concentration of chemical agents by linear colorimetric method (detector tubes)	БДC EN 689 + AC БДC EN 482 Methodical instructions for determination of toxic gases and vapours in the air of the working environment through linear colorimetric methods, Paper 2, published by Medical Academy, Scientific Institute of Hygiene and Occupational Diseases, HYGITEST Association, 1987; ПК10	Ordinance № 13 (SG No 8/2004); Technical specification
7.2	Dust	New and/or in exploitation facilities/equipment	Dust concentration: - inhalable fraction - respirable fraction	БДC 2200; БДC EN 689+AC; БДC EN 482; БДC EN 481; ПК11	Ordinance № 13 (SG No 8/2004); Technical specification

** Introducing new versions of substituting standards/documents or standards/documents is permitted. Updated list of standards/documents with dated versions.*

Ordinance № 3 – On construction of electrical systems and power line (State Gazette No 90/2004, No 91/2004);

Ordinance № 16-116 – On technical exploitation of energy equipment (State Gazette No 26/2008);

Ordinance № 4 – On lightning protection of buildings, external equipment and open spaces (State Gazette No 6/2011);

Ordinance № 1 – On design, construction and maintenance of low-voltage electrical installations in buildings (State Gazette No 46/2010);

Ordinance № 9 – On health and hygiene requirements to using personal computers in extramural training of students (State Gazette No 46/1994);

Ordinance № 2 – On health requirements to computers and internet clubs for public use (State Gazette No 15/2007);

Ordinance № 3 – On health requirements to kindergartens (State Gazette No 15/2007);

Ordinance № 6 – On minimum requirements to ensuring health and safety of employees working under the risk of exposure to noise (State Gazette No 70/2005)

Ordinance № 6 – On the indicators for environmental noise measuring the extent of discomfort in the course of twenty-four hour period, the limit values of the environmental noise indicators, in the premises of residential and public buildings, in areas and territories intended for housing, recreational zones and territories and areas with mixed purposes the method for evaluation of noise indicators and of measuring the harmful effects on the health of population (State Gazette No 58/2006);

Ordinance № 24 – On sanitary and hygiene requirement to discotheques (State Gazette No 95/2003, amend. State Gazette No100/2003)

Ordinance № 26 – On structure and operation of kindergartens and facilities producing meals for infants, and applicable health requirements (State Gazette No 103/2008);

Ordinance № 49 – On artificial lighting of buildings (State Gazette No7/1976, amend. State Gazette No64/1976);

Ordinance № RD-07-3 of 18.07.2014 (State Gazette No 63 of 01.08.2014) – On minimum requirements to microclimate in working spaces, as a method and standard for inspection in scopes of microclimate in work environment and air-conditioning systems;

Ordinance № 15 – On the engineering standards and rules for designing building and operating sites and equipment intended for the production, transmission and distribution of heat energy (State Gazette No 68/2005);
Ordinance № 13 – On protection of workers from risks related to exposure to chemical agents at work (State Gazette No 8/2004);
Ordinance № RD-07-5 – On minimum health and safety requirements regarding the exposure of workers to the risks arising from electromagnetic fields (State Gazette No 95/2016);
Methodical instructions for measurement and evaluation of artificial lighting in buildings 40-85, published by "Standardization", 1985
Methodical instructions for determination of toxic gases and vapours in the air of the working environment through linear colorimetric methods, Paper 2, published by Medical Academy, Scientific Institute of Hygiene and Occupational Diseases, HYGITEST Association, 1987;
Methodology for testing and evaluation of electromagnetic radiation from video display units (Collection of methods for hygienic research, Vol.I, National Center for Hygiene, Medical Ecology and Nutrition /NCHMEN, Sofia, 1999)
Methodology for testing and evaluation of electromagnetic radiation in high-voltage substations (Open air switchgear and enclosed switchgear) and transformer stations (Compendium of methods for hygienic research, Vol.IV, National Center for Hygiene, Medical Ecology and Nutrition /NCHMEN, Sofia, 1999)
Technical specification.

I ORDER

To issued the Certificate of accreditation with reg. № 3 OKC/11.08.2021, valid until 29.07.2024 with enclosure the present order, inseparable part of it.
The certificate of accreditation and enclosed papers shall be received by the Manager of „MARS-2001-1" LTD, town of Dupnitsa, the Head of TYPE c inspection body of „MARS-2001-1" LTD, town of Dupnitsa, or other authorized person, at the premises of EA BAS.
Upon receipt of the issued certificate and annex, the accredited body shall return to the EA BAS the originals of Certificate of Accreditation reg. № 3 OKC of 29.07.2020 to 29.07.2024 and Annex Order № A 454/ 29.07.2020 of EA BAS.

This Order shall be communicated to „MARS-2001-1" LTD, Dupnitsa within a 3 (three) day period after its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS

