REPUBLIC OF BULGARIA
Executive agency
Bulgarian accreditation service

ORDER
№ A 10

Sofia, 20.01.2025

On the grounds of Article 10, paragraph 1, clause 2a and Article 32, clause 1 of the Law on National Accreditation of Conformity Assessment Bodies and clause 5.3.1 related to clause 4.3.8 f) of Accreditation Procedure BAS QR 2 in connection with Report with registration № 141/81 OK/6/B/13.12.2024 and Order № A 9/20.01.2025 by Executive Agency Bulgarian Accreditation Service

I AMEND ORDER № A 575/29.09.2022 BY EA BAS
Of
Inspection Body HESPA, city of Pazardzhik
at HESPA Ltd., city of Sofia

Address of management:
1000 Sofia, municipality Stolichna; region Lozenets; Blvd. 31 Dragan Tsankov Blvd., entrance „B";

Office address:
4400 Pazardzhik, 11 Aleko Konstantinov St.

To perform inspection with the following scope:

Type of scope: flexible for part of the scope*

№	Inspection scope	Type of inspection	Inspected parameter/characteristic	Test/measurement methods used for inspection	Legislation, standards, specifications, inspection schemes
1	2	3	4	5	6
1.	Electrical installations, machinery, equipment and appliances up to and above 1000 V	Of newly constructed and/or commissioned facilities/equipment	Insulation resistance	БДС 1986 item 3.3 a), b), d) and e) БДС 2406 ПК-1-1	Regulation №3 (SG № 90 and 91/2004) Regulation № 16-116 (SG № 26/2008) ТС
2.	Electrical installations and equipment up to and above 1000 V	Of newly constructed and/or commissioned facilities/equipment	Transition resistance of protective earthing systems	ПК-1-2	Regulation №3 (SG № 90 and 91/2004) Regulation № 16-116 (SG № 26/2008) БДС 3820 ТС
3.	Electrical installations and equipment up to and above 1000 V	Of newly constructed and/or commissioned facilities/equipment	Transition resistance of lightning protection systems	ПК-1-2-1	Regulation № 16-116 (SG № 26/2008) Regulation №4 (SG № 6/2011) ТС
4.	Electrical installations and equipment up	Of newly constructed and/or commissioned	Earth fault loop impedance Zs of circuit	ПК-1-3	Regulation №3 (SG № 90 and 91/2004) Regulation № 16-116

	to and above 1000 V	facilities/equipment	protective conductors		(SG № 26/2008) TC
5.	Electrical installations and equipment up to and above 1000 V - Circuit breakers	Of newly constructed and/or commissioned facilities/equipment	- Shut-down time; - Resistance of safety earthing switches; - Contact voltage; - Triggering current.	ПК-1-4	Regulation №3 (SG № 90 and 91/2004) Regulation № 16-116 (SG № 26/2008) TC
6.	Electrical protective equipment used in electrical installations above 1000 V: - insulating rods; - measuring rods; - isolating clamps; current measuring clamps.	Of newly developed and/or commissioned products	Electrical insulation strength – inspection through increased voltage with industrial frequency	Regulation № 22 (SG № 45/2006) ПК-1-5	Regulation № 22 (SG №45/2006) TC
7.	Electrical protective equipment used in electrical installations above 1000 V: -Dielectric protective gloves; - Dielectric safety boots and booties	Of newly developed and/or commissioned products	- Electrical insulation strength – inspection through increased voltage with industrial frequency; - Leakage current.	Regulation № 22 (SG 45/2006) ПК-1-5	Regulation № 22 (SG № 45/2006) TC
8.	Electrical protective equipment used in electrical installations above 1000 V: - Voltage indicators over 1 kV	Of newly developed and/or commissioned products	Electrical insulation strength – inspection through increased voltage with industrial frequency	Regulation № 22 (SG № 45/2006) ПК-1-5	Regulation № 22 (SG № 45/2006) TC
9.	Electrical protective equipment used in electrical installations above 1000 V: - Dielectric mats and strips.	Of newly developed and/or commissioned products	Electrical insulation strength – inspection through increased voltage with industrial frequency	Regulation № 22 (SG № 45/2006) ПК-1-5	Regulation № 22 (SG № 45/2006) TC
10.	Transformer oil	Of newly developed and/or commissioned products	Breakdown voltage	БДС EN 60156 ПК-1-6	Regulation № 16-116 (SG № 26/2008) TC

11.	Electrochemical protection of underground metal equipment	Of newly constructed and/or commissioned facilities/equipment	- Stationary potential; - Polarisation potential; - Resistance of anode earthing switches.	БДС 15705 ПК -1-7	Regulation on the layout and safe operation of gas transmission and distribution pipelines and natural gas facilities, installations and appliances (SG № 67/2004) БДС 15704 БДС 15705 ТС
12.	Artificial lighting in occupational and residential environments	Of new and/or commissioned facilities	Lighting	Methodological guidelines for measuring artificial lighting in buildings 40-85, edition: Standardization 85 БДС EN 12464-2 БДС EN 12193 ПК-2-1	Regulation № 9 (SG 46/1994) Regulation № 2 (SG 15/2007) Regulation № 24 (SG 95/2003) Regulation № 49 (SG 7/1976) Regulation № 28 (SG 109/2008) Regulation № 26 (SG 103/2008) БДС EN 12464-1 БДС EN 12464-2 Regulation № 3 (SG 15/2007) БДС EN 12193 БДС EN 1838 ТС
13.	Noise levels in an occupational environment	Of new and/or commissioned facilities		ПК-2-2	ТС
			- Daily noise exposure level; - Average weekly noise exposure level; - Peak sound pressure level;	БДС EN ISO 9612 (БДС ISO 1999)	Regulation № 6; (SG № 70/2005)
			- Noise level; - Equivalent noise level.	БДС 15471	Regulation № 7 (SG № 88/1999) Regulation № 9 (SG 46/1994) Regulation № 26 (SG 103/2008) Regulation № 24 (SG 95/2003)
14.	Environmental noise	Of new and/or commissioned facilities	- Noise level; - Equivalent noise level.	БДС 15471 ПК-2-2	Regulation № 6, Annex № 2, Table № 2 (SG № 58/2006) ТС
15.	Noise in premises of residential and public buildings	Of new and/or commissioned facilities	- Noise level; - Equivalent noise level.	БДС 15471 ПК-2-2	Regulation № 6, Annex № 2, Table № 1 (SG № 58/2006) Regulation № 9 (SG № 46/1994) Regulation № 24 (SG № 95/2003) Regulation № 2 (SG № 15/2007) Regulation № 26 (SG №

					103/2008) ТС
16.	Microclimate in occupational and residential environment;	Of new and/or commissioned facilities	Air temperature; Relative air humidity; Air velocity.	БДС 16686 Regulation № РД-07-3 (SG № 63/2014) ПК-2-3	Regulation № 2 (SG № 15/2007) Regulation № 24 (SG № 95/2003) Regulation №9 (SG № 46/1994) Regulation № 26 (SG № 103/2008) Regulation № РД-07-3 (SG № 63/2014) Regulation № 3 (SG № 15/2007) БДС 14776 ТС
17.	Electromagnetic fields in occupational and ambient / general public environment	Of new and/or commissioned sites	- Electric field strength within a frequency range of 10 Hz to 45.5 GHz; (10 Hz ≤ f ≤ 45.5 GHz); - Magnetic induction (Magnetic flux density) within a frequency range of 10 Hz to 1 GHz; (10 Hz ≤ f ≤ 1 GHz); - Magnetic field strength within a frequency range of 10 MHz to 1 GHz; (10 MHz ≤ f ≤ 1 GHz); Energy flux density (power density) within a frequency range of 300 kHz to 45.5 GHz. (300 kHz ≤ f ≤ 45.5 GHz).	ПК-2-4 БДС EN 50413 Methodology for the measurement and assessment of the electromagnetic field in the populated surroundings of transmitting antennas of mobile communication systems, Section "Residential Environment - Non-Ionizing Radiation", Collection of Methods for Hygiene Research, Volume IV, National Centre for Hygiene, Medical Ecology and Nutrition, 2002; Methodology for the Study and Evaluation of Electromagnetic Radiation in Physical Therapy and Rehabilitation Units, Section "Occupational Environment - Non-Ionizing Radiation", Collection of Methods for Hygiene Research, Volume I, National Centre	Regulation № РД-07-5 (SG № 95/2016) Recommendation 1999/519/EO (Of the Council from 12.07.1999) Regulation № 9 (SG № 35/1991) Regulation № 2 (SG № 15/2007) Regulation № 9 (SG № 46/1994) ICNIRP (2020) ICNIRP (2010) ICNIRP (1998) ТС

				for Hygiene, Medical Ecology and Nutrition, 1999; Methodology for study and assessment of electromagnetic radiation in high facilities, Section "Occupational Environment - Non-ionizing Radiation", Collection of Methods for Hygiene Research, Volume I, National Centre for Hygiene, Medical Ecology and Nutrition, 1999; Methodology for the study and evaluation of electromagnetic radiation in workplaces with video displays, Section "Occupational Environment - Non-Ionizing Radiation", Collection of Methods for Hygiene Research, Volume I, National Centre for Hygiene, Medical Ecology and Nutrition, 1999; Non-binding guide to good practice for implementing Directive 2013/35/EU Electromagnetic Fields, Volume 1: Practical Guide. Practical guide to good practice for implementing Directive 2013/35/EU Electromagnetic	

				Fields, Volume 2: Case Studies.; Non-binding Guide to Good Practice for implementing Directive 2013/35/EU Electromagnetic Fields, Guide for SMEs (small and medium-sized enterprises).	
18.	Air conditioning systems	Of newly constructed and/or commissioned facilities/equipment	- Air temperature Relative air humidity.	БДС 16686 Regulation № РД-07-3 (SG № 63/2014) ПК-2-5	Regulation № 15 (SG 68/2005) Regulation № РД-07-3 (SG № 63/2014) БДС 14776 ТС
19.	Ventilation systems	Of newly constructed and/or commissioned facilities/equipment	- Air flow velocity; - Air flow rate.	БДС 12.3.018 ПК-2-6	Regulation № 15 (SG 68/2005) Regulation No Із-1971 (SG 96/2009) Regulation № 24 (SG 95/2003) ТС
20.	Heat emission from appliances, apparatus, machinery, equipment, etc.	Of newly constructed and/or commissioned facilities/equipment	Site temperature by thermal visualization method	**ВВМ-1-Т/2022 ПК-2-7	Regulation № 3 (SG 90 and 91/2004) Regulation № 9 (SG 72/2004) Technical specifications
21.	Air in the occupational environment: Chemical agents	Of new and/or commissioned sites	Concentration of chemical agents, methods: - linear-colorimetric. - droplet quantification: copper, lead and manganese aerosols	БДС EN 689+AC БДС EN 482 ПК-3-1-1 БДС 14950 - item 1 БДС 14981 - item 1 БДС 2599 - item 1 БДС EN 689+AC БДС EN 482 ПК-3-1-2	Regulation № 13 (SG № 8/2004) Regulation № 10 (SG 94/2003) ТС
22.	Air in the occupational environment: Dust	Of new and/or commissioned sites	-Concentration of respirable dust fraction; - Concentration of inhalable dust fraction.	БДС 2200 БДС EN 482 БДС EN 689+AC ПК -3-2	Regulation № 13 (SG № 8/2004) Regulation № 10 (SG 94/2003) ТС

23.	Atmospheric air in populated areas	Of new and/or commissioned sites	Concentration of total suspended dust	БДС 17.2.4.20 ПК -3-3	Regulation №14 (SG №88/1997) ТС

In its capacity as a Type A INSPECTION BODY to inspect:

Type of scope: flexible*					
№	**Inspection scope**	**Type of inspection**	**Inspected parameter/ characteristic**	**Test/measurement methods used for inspection**	**Legislation, standards, specifications, inspection schemes**
1	**2**	**3**	**4**	**5**	**6**
1	Outdoor playgrounds	New and/or operational facilities and equipment	Playground safety through thorough inspection of documents, visual inspection and measurement / testing	Regulation № 1 (SG № 10/2009) БДС EN 1176-1+A1 Through documents – items 4.1, 4.2, 4.2.2, 4.2.14, 4.2.15, 4.2.16, 6. Visual inspection and measurement – items 4.2.3, 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.2.8, 4.2.9, 4.2.10, 4.2.11, 4.2.12, 4.2.13, 4.2.16, 7. БДС EN 1176-2+AC Through documents - items 4.6, 4.7, 4.8, 5.1 5.2; 5.3 Visual inspection and measurement - items 4.2, 4.3, 4.4, 4.5, 4.9, clause 4.10, 7. БДС EN 1176-3 Through documents - items 4.3.1, 4.4.1 Visual inspection and measurement - items 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 6. БДС EN 1176-4+AC Through documents - items 4.2, 4.3, 4.4, 4.9,	Regulation №1 (SG №10/2009)

				4.10, 6. Visual inspection and measurement - items 4.5, 4.6, 4.7, 4.8, 4.11, 4.12, 4.13, 4.14, 7. БДС EN 1176-5 Through documents - items 4.6, 5.1, 5.3.2 Visual inspection and measurement - items 4.2, 4.3, 4.4, 4.5, 5.1, 5.2, 5.3.1, 5.4, 5.5, 5.6, 5.7, 7. БДС EN 1176-6+AC Through documents - items 4.3, 5.1, 5.2. Visual inspection and measurement - items 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 5.3, 5.4, 7. БДС EN 1176-7 Through documents - items 4.2, 5, 5.1, 5.2, 6, 7, 8, 8.2. БДС EN 1176-10 Through documents - items 4.2.1, 4.2.2.4, 4.4.8.1, 5, 6. Visual inspection and measurement - items 4.2.2.1, 4.2.2.2, 4.2.2.3, 4.3.2.1, 4.3.3, 4.3.4, 4.3.5, 4.3.6, 4.3.7, 4.3.8, 4.3.9, 4.4.1, 4.4.2, 4.4.3, 4.4.4.2, 4.4.5, 4.4.6, 4.4.7, 4.4.8.2, 7. БДС EN 1176-11 Visual inspection and measurement - items 4.1, 4.2, 4.3,	

				4.4, 6. БДС EN 1177+A1 Through documents	

* Introduction of an updated version of standards/documents or standards/documents that replace them is allowed. An up-to-date list of standards/documents with their dated versions shall be provided by the CAB.

Regulations:

Regulation № 3 on the structure of electrical installations and power lines (SG № 90 and 91/2004);

Regulation № 16-116 on the technical maintenance of electrical equipment (SG № 26/2008);

Regulation № 4 on building lightning safety, outdoor facilities and open spaces (SG № 6/2011);

Regulation № 22 on the testing of electrical safety equipment in exploitation (SG № 45/2006);

Regulation on the structure and safe exploitation of gas distribution and transmission pipelines and natural gas facilities, installations, and appliances (SG № 67/2004).

Methodological guidelines for the measurement and evaluation of artificial lighting in buildings 40-85; Proceedings of the National Centre for Hygiene, Medical Ecology and Nutrition Methods, Volume IV, Edition Standardization, 1985;

Regulation № 9 on health and hygiene requirements for the use of personal computers in education and extracurricular activities of students (SG № 46/1994);

Regulation № 2 on health requirements for computer and internet public premises (SG № 15/2007);

Regulation № 24 on sanitary and hygienic requirements for discotheques (SG № 95/2003);

Regulation № 49 on artificial lighting in buildings (SG. № 7/1976);

Regulation № 28 on the structure, order and organization of pharmacies and the nomenclature of medicinal products (SG № 109/2008);

Regulation № 26 on the structure and functioning of nurseries and children's kitchens and the health requirements for them (SG № 103/2008);

Regulation № 6 on the minimal requirements for ensuring the health and safety of workers at risks related to exposure to noise (SG № 70/2005);

Regulation № 7 on the minimal requirements for safe and healthy occupational conditions and the use of work equipment (SG № 88/1999);

Regulation № 6 on environmental noise indicators taking into account the degree of discomfort during different parts of the day, limit values of environmental noise indicators, in the premises of residential and public buildings, in areas and territories intended for residential construction, recreational areas and territories and mixed-use areas, methods for assessing the values of noise indicators and the harmful effects of noise on the health of the population (SG № 58/2006, SG 100/2021);

Regulation № РД-07-03 on the minimal requirements for the microclimate at workplaces (SG № 63/2014);

Regulation № 13 on the protection of workers from risks related to exposure to chemical agents at work (SG № 8/2004);

Regulation № 15 on technical rules and regulations for the design, construction and operation of facilities and equipment for the production, transmission and distribution of heat energy (promulgated by SG № 68/2005);

Regulation № РД-07-5 on the minimal requirements for ensuring the health and safety of workers at risks related to exposure to electromagnetic fields (SG № 95/2016);

Council Recommendation 1999/519/EC from 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz);

Regulation № 9 on the limit values of electromagnetic fields in inhabited areas and the establishment of hygiene protection zones around emitting objects (SG № 35/1991);

Regulation № 9 on the technical operation of power plants and networks (SG № 72/2004);

Methodology for measurement and assessment of electromagnetic fields in the inhabited surroundings of transmitting antennas of mobile communication systems – Collection of methods for hygiene research, Volume IV, Section "Residential environment - Non-ionizing radiation", National Centre for Hygiene, Medical Ecology and Nutrition, Sofia, 2002;

Methodology for the study and evaluation of electromagnetic radiation in physical therapy and rehabilitation units - Collection of methods for hygienic research, Volume I, Section "Occupational Environment - Non-ionizing radiation", National Centre for Hygiene, Medical Ecology and Nutrition, Sofia, 1999;

Methodology for the study and evaluation of electromagnetic radiation in high voltage facilities - Collection of methods for hygienic research, Volume I, Section "Occupational Environment – Non-ionizing radiation", National Centre for Hygiene, Medical Ecology and Nutrition, Sofia, 1999;

Methodology for the study and evaluation of electromagnetic radiation at workplaces with video displays - Collection of methods for hygienic research, Volume I, Section "Occupational environment – Non-ionizing radiation", National Centre for Hygiene, Medical Ecology and Nutrition, Sofia, 1999;

Regulation № 15 on technical rules and regulations for the design, construction and operation of objects and facilities for the production, transmission and distribution of thermal energy (SG № 68/2005);

Regulation № 13 on the protection of workers from risks related to exposure to chemical agents at work (SG № 8/2004);

Regulation № 14 on the limits of permissible concentrations of harmful substances in the ambient air of populated areas (SG № 88/1997).

Regulation № 1 on the conditions and procedure for the design and safety of playgrounds (SG № 10/2009).

Regulation № Із-1971 on building and technical rules and regulations for ensuring fire safety (SG № 96/2009).

Regulation № 10 - on the protection of workers from risks related to exposure to carcinogens and mutagens at work (SG № 94/2003)

ICNIRP (2020) - ICNIRP 2020 Guidelines on limiting exposure to electromagnetic fields (100 kHz to 300 GHz);

ICNIRP (2010) - ICNIRP Guidelines on limiting exposure to time-varying electric and magnetic fields (1 Hz to 100 kHz);

ICNIRP (1998) - Guidelines on limiting exposure to time-varying electric, magnetic and electromagnetic fields (up to 300 GHz);

Non-binding guide to good practice for implementing Directive 2013/35/EU Electromagnetic Fields, Volume 1: A Practical Guide.

Practical guide to good practice for implementing Directive 2013/35/EU Electromagnetic fields, Volume 2: Specific case studies.

Non-binding guide to good practice for implementing Directive 2013/35/EU Electromagnetic fields, Guide for SMEs (small and medium-sized enterprises);

Customer Technical Specifications.

**** Fixed scope:**

BBM-1-T/2022 Internal method - determination of object temperature by thermal imaging (Version 3 from 17.06.2022).

I ORDER

To be issued a Certificate of Accreditation with № 81 OK dated 20.01.2025 valid until 29.09.2026 with an annex comprising the current Order, an integral part thereof.

The accreditation certificate, together with the annex, shall be received by the Director of HESPA Ltd. Sofia, the Head of the Inspection Body "HESPA", Pazardzhik at "HESPA" Ltd., Sofia or other authorized person in the building of EA BAS.

Upon receipt of the issued certificate and the annex, the accredited person is obliged to return to the BAS EA the originals of accreditation certificate № 81 OK from 29.09.2022 and annex – EA BAS order № A 575/29.09.2022.

This order is to be communicated to **"HESPA" Ltd. Sofia** within 3 (three) days from its issuance.

Eng. Irena Borislavova
Executive Director of EA BAS