**ORDER**

**№ A 199**

**Sofia, 29.05.2024**

**of of Inspection Body of type A at "Alfa Control - 2002" LTD,**

**town of Blagoevgrad**

**Management address**: 2700 Blagoevgrad, 35, Dr. Hristo Tatarchev Str, floor 1

**Office address**: 2700 Blagoevgrad, 20, Aleksandar Stamboliyski Str.

**To perform inspection of:**

| **Type of the scope:** flexible \* | | | | | |
| --- | --- | --- | --- | --- | --- |
| **№** | **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. | Electrical installations and equipment to and over 1000 V | On new and/or in operation sites/facilities | Insulation resistance | БДС 1986, cl.3.3 а), б), д) and е)  ПК № 1.1  БДС 16654 | Ordinance № 16-116  (SG № 26/2008)  Ordinance № 3  (SG № 90 and 91/2004)  Ordinance № 1  (SG № 46/2010);  TS |
| 2. | Resistance of protective earthing systems | ПК № 2 | Ordinance № 16-116  (SG № 26/2008)  Ordinance № 3  (SG № 90 and 91/2004)  Ordinance № 1  (SG № 46/2010);  TS |
| 3. | Resistance of lightning protective systems | ПК № 2 | Ordinance № 4  (SG №6/2011);  TS |
| 4. | Electrical Appliances and Wiring Lines over 1000 volts | On new and/or in operation sites/facilities | Electrical strength of insulation by increased alternating voltage | ПК № 11 | Ordinance № 16-116  (SG № 26/2008)  Ordinance № 3  (SG № 90 and 91/2004);  TS |
| -with constant voltage for sites/facilities up to 20 kV | БДС 2406 |
| -with voltage with industrial frequency for sites/ facilities up to 35 kV | БДС 16249  БДС 2406  НИЕМС |
| 5. | Electrical installations and equipment to  1000 V | On new and/or in operation sites/facilities | Impedance of the “c.p.c.” circuit; | ПК № 4.1 | Ordinance № 16-116  (SG № 26/2008)  Ordinance № 3  (SG № 90 and 91/2004)  Ordinance № 1  (SG № 46/2010);  TS |
| 6. | Zero-sequence current protections - Circuit breakers: “Tripping current and / or tripping time; contact voltage and / or resistance for protective earth” | ПК № 4.2 | Ordinance № 16-116  (SG № 26/2008)  Ordinance № 3  (SG № 90 and 91/2004)  Ordinance № 1  (SG № 46/2010);  TS |
| 7.1 | Еlectrical protective equipment: Rubber dielectric gloves, boots and galoshes. | On in operation products | Electrical strength of insulation by increased alternating voltage: Leakage current | Ordinance № 22  SG № 45/2006  ПК № 3 | Ordinance № 22  (SG № 45/2006);  TS |
| 7.2 | Еlectrical protective equipment:  Dielectric mats and insulating paths;  Insulating rods;  Measuring rods;  Earthing rods;  Insulated pliers. | On in operation products | Electrical strength of insulation by increased alternating voltage | Ordinance № 22  SG № 45/2006  ПК № 3 | Ordinance № 22  (SG № 45/2006);  TS |
| 7.3 | Еlectrical protective equipment:  Insulation indicators | On in operation products | Electrical strength of insulation by increased alternating voltage: Threshold voltage | Ordinance № 22  SG № 45/2006  ПК № 3 | Ordinance № 22  (SG № 45/2006);  TS |
| 8. | Transformer oil | On new and/or in operation products | Breakdown voltage | БДС EN 60156  ПК № 10 | Ordinance № 16-116 (SG № 26/2008);  TS |
| 9. | Chemical agents (dust) in the air of the work environment. | On new and/or in operation sites/facilities/processes/Products | Dust concentration - inhalable fraction in the air of the working environment | БДС 2200  БДС EN 689+AC  БДС EN 482  ПК № 7 | Ordinance № 13  (SG № 8/2004)  Ordinance № 10  (SG № 94/2003);  TS |
| 10. | Microclimate in work and home environment. | On new and/or in operation sites/facilities | Air temperature  Relative humidity  Air velocity | БДС 16686  Ordinance № РД-07-3  (SG. № 63/2014) ПК № 5 | Ordinance № 2  (SG № 15/2007)  Ordinance № 3  (SG № 15/2007)  Ordinance № 9  (SG № 46/1994)  Ordinance № 24  (SG № 95/2003)  Ordinance № 26  (SG № 103/2008)  Ordinance № РД-07-3  (SG № 63/2014)  БДС 14776;  TS |
| 11. | Noise in the work environment | On new and/or in operation sites/facilities | Daily noise exposure level;  Average weekly noise exposure level;  Peak sound pressure level | БДС EN ISO 9612  (БДС ISO 1999)  ПК № 6 | Ordinance № 6  (SG № 70/2005);  TS |
| 12. | Environmental  noise in different territories and  spatial areas in  urban areas  and outside. | On new and/or in operation sites/facilities | Equivalent noise level | БДС15471  ПК № 6 | Ordinance № 6  Annex № 2, table 2  (SG № 58 from 2006);TS |
| 13. | Noise in residential and public buildings | On new and/or in operation sites/facilities | Noise level;  Equivalent noise level. | БДС15471  ПК № 6 | Ordinance № 26  (SG № 103/2008)  Ordinance № 2  (SG № 15/2007)  Ordinance № 9  (SG № 46/1994)  Ordinance № 24  (SG № 95/2003)  Ordinance № 6  (SG № 58/ 2006, Annex № 2, table 1);  TS  Ordinance № 7  (SG № 88/1999)  TS |
| 14. | An artificial lightning in work and home environment | On new and/or in operation sites | Illuminance | Methodical instructions for measurement and evaluation of artificial lighting in buildings 40-85,  issued by “Standartizatsiya” 1985  ПК № 8 | Ordinance № 26  (SG № 103/2008)  Ordinance № 2  (SG № 15/2007)  Ordinance № 3  (SG № 15/2007)  Ordinance № 9  (SG № 46/1994)  Ordinance № 24  (SG № 95/2003)  Ordinance № 49  (SG № 7/1976)  БДС EN 12464-1  TS |
| 15. | Evacuation lighting | On new and/or in operation sites/facilities | Illumination | БДС EN 1838 | Ordinance Iз-1971,  Art. 55, SG no. 96/  2009;  TS |
| 11. | Сhemical agents in the air of a working environment | On new and/or operational sites | Concentration of chemical agents in the air of a working environment by linear colorimetric method /indicator tubes/ | БДС EN 482  БДС EN 689+AC  Methodical instructions for determination of toxic gases and vapors in the air of the working environment by linear colorimetric methods, vol. 2, issued by Medical Academy, Scientific Institute of Hygiene and Occupational Diseases, Hygitest Association, 1987  ПК № 9 | Ordinance № 13  (SG № 8/2004)  Ordinance № 10  (SG № 94/2003);  TS |
| 16. | Ventilation systems | On new and/or in operation sites/facilities | Air flow rate;  Air flow velocity | БДС 12.3.018 - 82  ПК № 12.1. | Ordinance № 15  (SG № 68/2005);  TS |
| 17. | Air conditioning systems | On new and/or in operation sites/facilities | Air temperature  Relative humidity | БДС 16686  Ordinance № РД-07-3  (SG № 63/2014)  ПК № 12.2 | Ordinance № 15  (SG № 68/2005)  БДС 14776  Ordinance № РД-07-3  (SG № 63/2014);  TS |

***\*Flexible scope:*** *Implementing a new version of standards/documents or standards/documents replacing them is allowed. An updated list of standards/documents and their dated versions is provided by CAB.*

**References:**

Ordinance № 3 – on the Construction of Electrical Appliances and Wiring Lines. (SG № 90 and 91/2004);

Ordinance № 16-116 for technical operation of energy equipment (SG № 26/2008)

Ordinance № 4 – on the lightning protection of buildings, external facilities and open spaces (SG № 6/2011);

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

NIEMS – 1995 - Norms for testing electrical machines and equipment.

Ordinance № 22 – on testing of electrical protective equipment in operation (SG № 45/2006).

Ordinance № 13 – on protection of workers with risks related to exposure to chemical agents at work (SG, issue 8/2004).

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

Ordinance № 2 – on the health requirements for computers and Internet halls for public use (SG № 15/2007);

Ordinance № 3 on the health requirements for kindergartens (SG № 15/2007)

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

Ordinance № 24 – on the sanitary and hygienic requirements for disco clubs (SG № 95/2003);

Ordinance № 26 on the structure and activity of nurseries and children’s kitchens and the health requirements to them (SG № 103/2008);

Ordinance № РД – 07-3 on the minimum requirements for the microclimate of workplaces (SG No. 63/2014);

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

Ordinance № 7 – on the minimum requirements for healthy and safe working conditions at the workplaces and when using the work equipment (SG № 88/1999);

Ordinance № 6 – on the indicators of environmental noise, taking into account the degree of discomfort during the different parts of the day, the limit values ​​of the environmental noise indicators, the methods for assessment of the values ​​of the noise indicators and the harmful effects on public health (SG № 58/2006 Iз SG № 100/2021);

Ordinance No. 49 - on the artificial lighting of buildings (SG No. 7/1976);

Methodological guidelines for determining toxic gases and vapors in the air of a working environment by linear-colorimetric methods, vol. 2, ed. Medical Academy, Scientific Institute of Hygiene and Occupational Diseases, Hygitest Association 1987;

Ordinance No. Iz-1971 - on building and technical rules and norms for ensuring safety in case of fire (Art. 55, SG No. 96/2009).

Ordinance № 15 on technical rules and regulations for design, construction and operation of sites and facilities for production, transmission and distribution of heat (SG № 68/2005).

TS – technical specification.