SCOPE 99 ОКА

**of Inspection Body of type A**

**at Alfa Kontrol 2002 Ltd, Blagoevgrad**

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

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**To perform inspection of:**

| **Type of the scope:** flexible \* |
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| **№** | **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 | 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 2506 |
| -with voltage with industrial frequency for sites/ facilities up to 35 kV | БДС 16249БДС 2406 |
| 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 60156ПК № 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 2200БДС EN 689+ACБДС EN 482ПК № 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 temperatureRelative humidityAir velocity | БДС 16686Ordinance № 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 | Noise level;Equivalent noise level.Daily noise exposure level;Average weekly noise exposure level;Peak sound pressure level | БДС15471БДС EN ISO 9612(БДС ISO 1999)ПК № 6 | Ordinance № 26 (SG № 103/2008)Ordinance № 9 (SG № 46/1994)Ordinance № 7, art. 138 (SG № 88/1999)Ordinance № 6 (SG № 70/2005); TS |
| 12. | Noise in the environment | On new and/or in operation sites/facilities | Equivalent noise level | БДС15471ПК № 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. | БДС15471ПК № 6 | Ordinance № 26 (SG № 103/2008)Ordinance № 2 (SG № 15/2007)Ordinance № 9 (SG № 46/1994)Ordinance № 24 (SG № 95/2003)Ordinance № 6 Annex № 2, table 1(SG № 58 from 2006); 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 12464-1TS |
| 15. | Chemical agents in the work environment. | On new and/or in operation sites/facilities | Concentration of chemical agents in the air of the working environment by linear colorimetric method /detector tubes/ | БДС EN 689+ACБДС EN 482Methodical 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 12.3.018ПК № 12.1. | Ordinance № 15 (SG № 68/2005); TS |
| 17. | Air conditioning systems | On new and/or in operation sites/facilities | Air temperatureRelative humidity | БДС 16686Ordinance № РД-07-3 (SG № 63/2014) ПК № 12.2 | Ordinance № 15 (SG № 68/2005)БДС 14776Ordinance № 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.

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 № 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 № 49 – on the artificial lighting of the buildings (SG № 7/1976);

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 minimum requirements for ensuring the health and safety of workers in case of risks related to noise exposure (SG № 70/2005);

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); 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).

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

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;

TS - technical specification.