**SCOPE 21 ОКС**

**of**

**Formula Inspection Body of type C at Formula-999 LTD Blagoevgrad**

**Management address:** 2700 Blagoevgrad, 4 Stara planina Str.

**Office address:** 2700 Blagoevgrad, 90 Peyo Yavorov Blvd.

**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 up to  1000V | New and/or commissioned facilities | Insulation resistance | БДС 1986 cl. 3.3 а), б), д), е)  ПИК 1-01 | Ordinance № 3  (SG № 90/2004 and 91/2004)  Ordinance № 16-116 / 08.02.2008  (SG № 26/2008)  Technical specifications |
| 2 | Electrical installations and equipment up to and above  1000 V | New and/or commissioned facilities | Insulation resistance of protective grounding installations | ПИК 1-02 | Ordinance № 3  (SG № 90/2004 and 91/2004)  Ordinance № 16-116 / 08.02.2008  (SG № 26/2008)  Technical specifications |
| 3 | Electrical installations and equipment up to and above  1000 V | New and/or commissioned facilities | Resistance of lightning protection grounding systems | ПИК 1-03 | Ordinance № 16-116 / 08.02.2008  (SG № 26/2008)  Ordinance № 4  (SG № 6/2011)  Technical specifications |
| 4 | Electrical installations and equipment up to  1000 V | New and/or commissioned facilities | Circuit impedance "Phase-protective conductor" | ПИК 1-04 | Ordinance № 3  (SG № 90/2004 and 91/2004)  Ordinance № 16-116 / 08.02.2008  (SG № 26/2008)  Technical specifications |
| 5 | Electrical installations and equipment up to  1000 V - Circuit breakers | New and/or commissioned facilities | Trigger current;  Tangential voltage; | ПИК 1-05 | Ordinance № 3  (SG № 90/2004 and 91/2004)  Ordinance № 16-116 / 08.02.2008  (SG № 26/2008)  Technical specifications |
| 6 | Electrical protection devices over 1000 V  Insulating rods; insulating pliers,  Voltage contact indicators; dielectric mats  Dielectric gloves, boots, boots and galoshes | Commissioned products | The electrical strength of the insulation by increased control alternating voltage with a frequency of 50 Hz  The electrical strength of the insulation by control with increased alternating voltage with a frequency of 50 Hz and leakage current | Ordinance № 22 /2006  (SG № 45/2006)  ПИК 1-07 | Ordinance № 22/2006 (SG № 45/2006)  Technical specifications |
| 7 | Transformer oil | New and/or commissioned facilities | Breakdown voltage | ПИК 1—06  БДС EN 60156 | Ordinance № 16-116 / 08.02.2008  (SG № 26/2008) |
| 8 | Artificial lighting in work and household environment | New and/ or commission sites | Lighting | Methodical instruction for measuring artificial lighting in buildings 40-85, Standardization / 1985  ПИК 2-01 | Ordinance № 49  (SG № 7 / 1976)  Ordinance № 2  (SG № 15/2007)  Ordinance № 9  (SG № 46/1994)  Ordinance № 24  (SG № 95/2003)  БДС EN 12464-1  Technical specifications |
| 9 | Emergency evacuation lighting | New and/or commissioned facilities | Lighting | БДС 1838  Ordinance № Iз-1971, art. 55,  (SG № 96/2009)  ПИК 2-05 | БДС 1838  Ordinance № Iз-1971, art. 55,  (SG № 96/2009)  ПИК 2-05 |
| 10 | Occupational noise | New and/or commissioned facilities | Daily level of noise exposition;  Weekly average level of noise exposition;  Level of peak sound pressure;  Noise level;  Equivalent noise level; | БДС EN ISO 9612  (БДС ISO 1999)  БДС 15471  ПИК 2-02 | Ordinance № 6  (SG № 70/2005)  Ordinance № 7  (SG № 88 / 1999)  Ordinance № 9  (SG № 46/1994)  Ordinance № 26  (SG № 103 / 2008)  Technical specifications |
| 11 | Noise in residential and public buildings; | New and/or commissioned facilities | Noise level;  Noise equivalence level; | БДС 15471  ПИК 2-02 | Ordinance № 6  (SG № 58/2006 annex 2, table 1)  Ordinance № 9,  (SG № 46 / 1994)  Ordinance № 26,  (SG № 103/2008)  Ordinance № 24  (SG № 95/2003);  Ordinance №2  (SG № 15/2007)  Technical specifications |
| 12 | Environmental noise | New and/or commissioned facilities | Noise equivalence level | БДС 15471  ПИК 2-02 | Ordinance № 6  (SG № 58/2006 annex 2, table 2)  Technical specifications |
| 13 | Microclimate of work and living environment | New and/or commissioned facilities | Air temperature  Relative air humidity  Air movement speed | БДС 16686  Ordinance № РД-07-3  (SG № 63/2014)  ПИК 2-03 | Ordinance № 2  (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  Technical specifications |
| 14 | Ventilation installations | New and/or commissioned facilities | Air flow speed;  Air debit. | БДС 12.3.018  ПИК 2-03 | Ordinance № 15  (SG № 68/2005)  Technical specifications |
| 15 | Air of working environment-Chemical agents of working environment | New and/or commissioned facilities | Concentration of chemical agents by express linear colorimetric method /indicator tubes / | БДС EN 689+AC  БДС EN 482  Methodic instructions for determining toxic gases and vapor in work environment air, Medical University - Scientific Institute of Hygiene and Occupational Diseases, Sofia  ПИК 3-01 | Ordinance № 13  (SG № 8/2004)  Technical specifications |
| 16 | Air of working environment  Dust | New and/or commissioned facilities | Dust concentration  Inhalable fraction | БДС 22000  БДС EN 689+AC  БДС EN 482  ПИК 3-02 | Ordinance № 13  (SG № 8/2004)  Technical specifications |

***\*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 design of electrical installations and power lines (SG № 90 and № 91/2004).

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

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

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

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 № 13 on protection of workers from risks related to exposure of chemical agents during the operation (SG № 8/2004).

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

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

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

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

Ordinance № 7 on the minimum requirements for healthy and safe working conditions at workplaces and when using 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 № 26 on the structure and operation of nurseries and children's kitchens (SG № 103/2008).

Ordinance № 6 on the indicators of noise in the environment, taking into account the degree of discomfort during the different parts of the day, limit values ​​of the indicators of noise in the environment, the methods for assessment of the values ​​of the noise indicators and harmful effects of noise on the health of the population (SG № 58/2006).

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

Ordinance № Iз -1971, art. 55 on the construction and technical rules and norms for assuring safety in case of fire (SG № 96/2009);

Methodical instruction for measuring artificial lighting in buildings 40-85, Standardization / 1985;

Methodical instructions for determining toxic gases and fumes in air of work environment, MANIHPZ, 1987, Sofia

TS - Customer’s technical specifications.