**ORDER**

**№ A 96**

**Sofia, 19.03.2025**

**To perform inspection according to the following scope:**

|  **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 up to and above 1000 V | Of new sites and equipment and/or sites and equipment In operation  | Insulation resistance  | БДС 10370 БДС 15089БДС 16654 БДС 1986, 3.3 a), 6), a) and e)БДС EN 61439-1, item 11.9НИЕМС/1995;Ordinance No. RD-02-20-1, SG, 53 /2018 ПР 7.1.2 | БДС 10370НИЕМС 1995НTEE Ordinance No. 16-116 SG No. 26/2008; НУЕУЕЛ Ordinance No. 3, SG No. 90 and 91/2004Ordinance No. RD-02-20-1, SG No. 53/26.06.2018TS |
|  | Electrlcal Installations and equlpment below and over 1000 V | Of new sltes and equlpment and/or sites and equipment In operatlon | Protectlve grounding equlpment resistance | Ordinance № RD- 02-20-1, SG,53/2018ПР 7.1.3 | НТЕЕ Ordinance No. 16-116, SG, 26/2008 НУЕУЕЛOrdinance No. 3, SG No. 90 and 91/2004БДС 414 TS |
| **3** | Electrical Installations and equipment below and over 1000 V | Of new sites and equipment and/or sites and equipment In operation | Lightning protection grounding equipment Impulse resistance | Ordinance № RD- 02-20-1, SG 453/2018ПР 7.1.4 | НТЕЕ Ordinance No. 16-116, SG, 26/2008 , НУЕУЕЛOrdlnance no. 3, SG, 90/91/2004 НМСВСОП Ordlnance No. 4, SG, 6/2011; Ordlnance No. RD-02-20-1, SG, 11/31.01.2017 TS |
| 4. | Electrical Installations and equlpment below and over 1000 V | Of new sltes and equipment and/or sites and equipment In operation | Insulation of machinery and equlpment of up to 20 kV by means of power frequency high voltage | НИЕМС/1995, БДС 15235 БДС 9089 БДС 16249БДС 15701ПР 7.1.5 | НТEE Ordlnance № 16-116, SG, 26/2008, НИЕМС/1995 TS |
| 5 | Electrical installations and equlpment below and over 1000 V | Of new sites and equlpment and/or sites and equipment in operatlon | Hlgh constant voltage control Insulation of power cables of up to 20 КV | НИЕМС/1995ПР 7.1.5 | НTEE Ordlnance No. 16-116, SG, 26/2008 , НИЕМС/1995; TS |
| 6 | Electrical Installations and equlpment below and over 1000 V | Of new sltes and equipment and/or sltes and equlpment In operation„ | Uniform distribution of power œbles laad by means of current control | НTEE Ordinanœ No. 16-116/2008, SG/ 26/2008Version 5, Revlslon 1/27.06.2022ПР 7.1.7 | НTEE Ordlnance No. 16-116, SG, 26/2008,TS |
| 7. | Electrical installations and equipment up to and above 1000 V  | Of new sltes and equipment and/or sltes and equlpment In operation„ | Ohmlc resistanœ of machlnery and equlpment (power, instrument transformers and rotatlng machinery, switch power contact systems, power line œnnections, etc.) | БДС 15320БДС 2374ПР 7.1.8 | НИЕМС/1995НTEE Ordlnance No. 16-116, SG, 26/2008,БДС 15320БДС 2374TS |
| 8. | Electrical installations and equipment up to and above 1000 V | Of new sltes and equipment and/or sltes and equlpment In operation„ | Тransformer transformation ratio | БДС 15320ПР 7.1.9 | НTEE Ordlnanœ No. 16-116, SG, 26/2008,TS |
| 9. | Electrical installations and equipment up to and above 1000 V | Of new sltes and equipment and/or sltes and equlpment In operation„ | Volt-ampere characteristic of instrument transformers | НИЕМС/1995ПР 7.1.10 | НИЕМС/1995TS |
| 10. | Electrical installations and equipment up to and above 1000 V | Of new sltes and equipment and/or sltes and equlpment in operation„ | Transformer winding connection group | БДС 15320ПР 7.1.11 | НTEE Ordlnanœ No. 16-116, SG, 26/2008,TS |
| 11. | Electrical installations and equipment up to and above 1000 V | Of new sltes and equipment and/or sltes and equlpment in operation„ | Inddustrialfrequency breakdown voltage of insulating fluids | БДС EN 60156ПР 7.1.12 | НТЕЕ Ordlnance №16-116,ДВ бр. 26 от 2008 г.;НУЕУЕЛ Ordlnance № 3, SG, 90/91/2004TS |
| 12. | Electrical installations and equipment up to and above 1000 V | Of new sltes and equipment and/or sltes and equlpment In operation„ | Transientreslstance | Ordlnance No. RD-02-20-1/12.06.2018ПР 7.1.15 | Ordlnance No. RD-02-20-1/12.06.2018НИЕМС/1995Arqes Publishing House TS |
| 13. | Electrical installations and equipment up to 1000 V | Of new sltes and equipment and/or sltes and equlpment In operation | Impedance Zs of the “Phase - protective conductor” loop | Ordlnance No. RD-02-20-1, SG, 53/2018ПР 7.1.13 | НТЕЕ Ordlnanœ No. 16-116, SG, 26/2008,НУЕУЕЛ Ordlnance № 3, SG, 90/91/2004TS |
| 14. | Electrical installations and equipment up to 1000 V | Of new sltes and equipment and/or sltes and equlpment In operation„ | RCD circuit breakers: tripping current, tripping time, protective earthing resistance and touch voltage | Ordlnance No. RD-02-20-1, SG, 53/2018,ПР 7.1.14 | НТЕЕ Ordlnance №16-116,ДВ бр. 26 от 2008 г.;НУЕУЕЛ Ordlnance № 3, SG, 90/91/2004,Ordlnance No. RD-02-20-1, SG, 53/2018,TS |
| 15. | Microclimate of work and living environment | Of new sltes and equipment and/or sltes and equlpment In operation„ | Air temperature Relative air humidity, %Air movement speed, m/s | БДС 16686Ordinance № РД-07-3 (SG № 63/2014)ПР 7.1.16 | Ordlnance № 2, SG, 15/2007,Ordlnance № 3, SG, 15/2007,Ordinance № 9, (SG № 46 / 1994)Ordinance № 24 (SG № 95/2003);Ordinance № 26, (SG № 103/2008)Instruction № 34(SG № 82/1975);Ordinance № РД-07-3 (SG № 63/2014)БДС 14776TS  |
| 16. | Noise in the working environment | Of new sltes and equipment and/or sltes and equlpment In operation„ | Daily level of noise exposition; Weekly average level of noise exposition;Level of peak sound pressure;   | БДС EN ISO 9612(БДС ISO 1999)ПР 7.1.17 | Ordinance № 6 (SG № 70/2005)TS  |
| 17 | Noise in various territories and development areas in urban areas and outside them | New and/or commissioned facilities  | Noise equivalence level | БДС 15471ПР 7.1.18 | Ordinance № 6 (SG № 58/2006 annex 2, table 2)  |
| 18. | Noise in residential and public buildings; | New and/or commissioned facilities  | Noise level;Noise equivalence level; | БДС 15471ПР 7.1.18 | Ordinance № 7, SG № 88/1999;Ordinance № 2 (SG № 15/2007;Ordinance № 6 (SG № 16/1977,Ordinance № 6 (SG № 58/2006 annex 2, table 1)Ordinance № 9, SG № 46/ 1994;Ordinance № 24 (SG № 95/2003);Ordinance № 26, (SG № 103/2008)TS  |
| 19. | Artificial lighting in work and household environment  | Of new sltes and equipment and/or sltes and equlpment In operation„ | Lighting  | Methodical instruction for measuring artificial lighting in buildings 40-85, ПР № 7.1.19 | Ordinance №2 SG № 15/2007;Ordlnance № 3, SG, 15/2007,Ordinance № 9, SG № 46/1994;Ordinance № 24 SG № 95/2003;Ordinance № 26, SG № 103/2008;Ordinance № 49 SG № 7/1976;БДС EN 12464-1;Instruction № 34(SG № 82/1975);TS |
| 20 | Ventilation systems | Of new sltes and equipment and/or sltes and equlpment In operation„ | Air flow speed;Air debit. | БДС 12.3.018ПР 7.1.20 | Ordinance № 15 (SG № 68/2005);Ordinance № 15 (SG № 77/1987);Ordinance № 24 (SG № 95/2003);Ordinance № 34,SG № 82/1975,TS |

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

НИЕМС - 1995. Standards for testing electrical machines and equipment - 1995 of the Energy Committee;

НТЕЕ Ordinance № 16-116 on the technical operation of energy equipment (SG № 26/ 2008);

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

Ordinance No. 4 regarding the lightning protection of buildings, outdoor facilities and open-air spaces (SG, No.6/2011);

Ordinance No. RD-02-20-1 - on technical rules and regulations for control and acceptance of electrical installation works (SG No. 53/2018);

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

Ordinance No. 3 on the health requirements to the kindergartens (SG, No. 15/2007);

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

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

Ordinance № 6 to ensure a normal acoustic environment in residential and public buildings and places (SG № 16/1977);

Ordinance No. 7 regarding the minimal requirements for occupational health and safety at the workplaces and when using working tools and equipment (SG, No. 88/1999);

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

Ordinance № 15 on the hygiene requirements for barbershops, hairdressing and beauty salons (SG, issue 77/1987);

Ordinance № 24 regarding the sanitary and hygienic requirements to the disco clubs (SG, No. 95/2003);

Ordinance № 26 on the structure and activity of the nurseries and children kitchens (SG № 103/2008);

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

Instruction № 34 on the hygiene of sports facilities and equipment (SG iss. 82/1975);

Ordinance № RD-07-03 on the minimum requirements for the microclimate of the workplaces (SG № 63/2014);

Ordinance № RD-02-20-1/19.1.2017 on planning and design of construction sites intended for the production, storage and trade of weapons, ammunition, explosives and pyrotechnic articles.