

#### APPLICATION FOR RED DIRECTIVE On Behalf of

Shenzhen PuSou Electronic Manufactory

Wireless charger

Model: PWC12

Prepared For

**Prepared By Shenzhen Anbotek Compliance Laboratory Limited** 

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Date of Test: Nov. 21, 2018 to Dec. 07, 2018

Date of Report: Dec. 07, 2018

**Report Number:** SZAWW181121001-02S



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#### **TEST REPORT**

#### IEC 60950-1

#### Information technology equipment - Safety -

Part 1: General requirements

Report Number.....: SZAWW181121001-02S

Date of issue .....: Dec. 07, 2018

Total number of pages ...... 52 pages

Applicant's name .....:: Address .....::

Test specification:

Standard .....: IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013

Test procedure.....: Type Tested

Non-standard test method.....: N/A

#### General disclaimer:

The test results presented in this report relate only to the object tested.

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#### Testing procedure and testing location:

Shenzhen Anbotek Compliance Laboratory Limited **Testing Laboratory:** 

1/F, Building D, Sogood Science and Technology Park, Testing location/ address.......

Sanwei community, Hangcheng Street, Bao'an District,

Shenzhen, Guangdong, China.518102

**Ambode**k

Tested by (name + signature) .....: Yoli Peng

Approved by (+ signature)...... Jeff Zhu



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| - N - W               | D                          |
|-----------------------|----------------------------|
| Test item description | : Wireless charger         |
| Trade Mark            | : N.A.                     |
| Manufacturer          | 1000                       |
|                       | Arth (                     |
|                       |                            |
| Model/Type reference  | Anbote Ann tek shotek Anbo |
| Ratings               | : Input: 5V=== 1A          |
|                       | Output: 5V=== 1A           |
|                       | Wireless output: 5W        |

#### Tests performed (name of test and test clause):

The submitted samples were found to comply with the requirements of:

Electrical safety

EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:20 13

#### **Testing location:**

Shenzhen Anbotek Compliance Laboratory Limited 1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102

List of countries addressed: EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES The product fulfils the requirements of EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

#### Copy of marking plate:

Wireless charger
Model: PWC12
Input: 5V=== 1A
Output: 5V=== 1A
Wireless output: 5W



(The label should be attached to the back of the product.)

- The above markings are the minimum requirements required by the safety standard. For the final production samples, the additional markings which do not give rise to misunderstanding may be added.



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| Test item particulars:   | Anbott Anbotek Anbotek Anbo   |
|--|---|
| Equipment mobility:  | ☐ Movable ☐ Hand-held ☐ Transportable ☐ Stationary ☐ For building-in ☐ Direct plug-in   |
| Connection to the mains:   | ☐ Pluggable equipment ☐ Type A ☐ Type B☐ Permanent connection☐ Detachable power supply cord☐ Non-detachable power supply cord☐ Not directly connected to the mains☐ built-in component, consider in end system☐ |
| Operating condition:   | <ul><li>☐ Continuous</li><li>☐ Rated operating / resting time:</li></ul>  |
| Over voltage category (OVC):   | OVC I OVC II OVC III OVC IV Other:  |
| Mains supply tolerance (%) or absolute mains supply values                               | N.A.e. Ande A. bote   |
| Tested for IT power systems  | ☐ Yes     No  |
| IT testing, phase-phase voltage (V)  | N.A.  |
| Class of equipment:  | ☐ Class I ☐ Class II ☐ Class III ☐ Not classified   |
| Considered current rating of protective device as part of the building installlation (A) | Not directly connected to the mains   |
| of the building installlation (A)  | □PD1 □PD2 □PD3  |
| IP protection class  | IP20  |
| Altitude during operation (m)  | 2000  |
| Altitude of test laboratory (m)  | <500  |
| Mass of equipment (kg)   | Approx. 0.041Kg   |
| Possible test case verdicts:   |   |
| - test case does not apply to the test object:   | N/A (Not Applicable)  |
| - test object does meet the requirement:   | P (Pass)  |
| - test object does not meet the requirement:   |   |
| Testing:   | Anboth Am Otek Anbotek Anboth   |
| Date of receipt of test item   | Nov. 21, 2018   |
| Date(s) of performance of tests  | Nov. 21, 2018 to Dec. 07, 2018  |



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| General remarks:  | Anbot An Hotek Anboten Anbo  |
|---|--|
| "(See Enclosure #)" refers to additional information  | appended to the report.  |
| "(See appended table)" refers to a table appended t   | to the report.   |
| Yek Mupor Will Otek Vupi  |  |
| Throughout this report a $\square$ comma / $\boxtimes$ point is                                   | s used as the decimal separator.   |
| Note: Before placing the products in the different co   | untries, the manufacturer must ensure that:  |
| 1. Operating Instructions, Ratings Labels and Warn of the county in question.                     | nings Labels written in an Accepted or Official Language   |
| 2. The equipment complies with the National Stand   | lards and/or Electrical Codes of the country in question.  |
|   | aligned with EU NLF (new legislative framework), both of   |
|   | all be affixed on the product or, where that is not possible, e product before the product is placed on the EU market. |
| Manufacturer's Declaration per sub-clause 4.2.5   | of IECEE 02:   |
| The application for obtaining a CB Test Certificate includes more than one factory location and a | <ul><li>☐ Yes</li><li>☒ Not applicable</li></ul>   |
| declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are)    | stek Anbotek Anbote Anbotek Anbote   |
| representative of the products from each factory has been provided                                | 3 Jek Anbotek Anbote An  |
| Scott provided  | tek botek Wopo, W. Stek  |
| When differences exist; they shall be identified i  | n the General product information section.   |
| Name and address of factory (ies)   | : Same as manufacturer   |
| abotek Anbote An otek Anboten   |  |
| All Stek Alborek Albo   | tek Anbore And tek aborek Anboo  |
| Remark:   | stek anbotek Anbo K Sotek Anbo   |
| The EUT, class ${\ensuremath{\mathbb{II}}}$ equipment is used for information                     | on technology equipment.   |
| The EUT can operate with full load at ambient temp  | perature up to 40℃.  |
| hotek Anbotes Anb tek nbotek  | Anbote K Anbotek Anbotek Anbo  |
| Abbreviations used in the report:   | Anbote Ano stek anbotek Anbotek  |
|   | tek anbotek Anbot K hotek Anbote   |
| - normal conditions N.C.  | - single fault conditions S.F.C - basic insulation BI  |
| <ul><li>functional insulation</li><li>double insulation</li><li>DI</li></ul>                      |  |
| - double insulation<br>- between parts of opposite  | - supplementary insulation SI  |
| polarity BOP  | - reinforced insulation RI   |
|   | Anborek Antone   |
| Indicate used abbreviations (if any)  | k hotek Anbore   |



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| n ok         | IEC 60950-1  | And worker                                    | Mpor           |
|--------------|--|---|----------------|
| Clause       | Requirement – Test   | Result - Remark                               | Verdict        |
| Auporg * 6K  | GENERAL  | tok Anhote. And hotek                         | Ploor          |
| Vupo,        | tek potek Anbetee Anbe   | hotek Anbore And                              | K An           |
| 1.5 Anbo     | Components   | anbotek Anbote And                            | sek P          |
| 1.5.1        | General  | Anbotek Anbote, Anb                           | , teP          |
| Anbotek      | Comply with IEC 60950-1 or relevant component standard   | Anbotek Anbotek                               | Pek<br>Anbotek |
| 1.5.2        | Evaluation and testing of components   | (see appended tables 1.5.1)                   | A Poot         |
| 1.5.3        | Thermal controls   | botek Anbote And                              | N/A            |
| 1.5.4        | Transformers   | hotek Anbote Anb                              | N/A            |
| 1.5.5        | Interconnecting cables   | Am Anbotek Anb                                | P              |
| 1.5.6        | Capacitors bridging insulation   | No interconnecting cables.                    | N/A            |
| 1.5.7        | Resistors bridging insulation  | Anbe tek abotek                               | Anberr         |
| 1.5.7.1      | Resistors bridging functional, basic or supplementary insulation                                   | Resistors bridging functional insulation only | A.Rote         |
| 1.5.7.2      | Resistors bridging double or reinforced insulation between a.c. mains and other circuits           | nbotek Anbotek Anbote                         | N/A            |
| 1.5.7.3      | Resistors bridging double or reinforced insulation between a.c. mains and antenna or coaxial cable | Anbotek Anbotek An                            | N/A            |
| 1.5.8        | Components in equipment for IT power systems   | Anbo tek abotek                               | N/A            |
| 1.5.9        | Surge suppressors  | Anbor Al. hotek                               | N/A            |
| 1.5.9.1      | General  | otek Anbore Am sotek                          | N/A            |
| 1.5.9.2      | Protection of VDRs   | obotek Anbote And                             | . N/A          |
| 1.5.9.3      | Bridging of functional insulation by a VDR   | botek Anbotes Anbo                            | N/A            |
| 1.5.9.4      | Bridging of basic insulation by a VDR  | Anbotek Anbotek Ar                            | N/A            |
| 1.5.9.5      | Bridging of supplementary, double or reinforced insulation by a VDR                                | Anbotek Anbotek                               | N/A            |
| Anbore       | k hotek Anbotek Anbe   | otek Anbote And otek                          | anb            |
| 1.6 Anbote   | Power interface  | botek Anboten Anbo                            | P              |
| 1.6.1        | AC power distribution systems  | Class III equipment                           | N/A            |
| 1.6.2        | Input current  | (see appended table 1.6.2)                    | P.             |
| 1.6.3        | Voltage limit of hand-held equipment   | Anbo A hotek                                  | N/A            |
| 1.6.4        | Neutral conductor  | Anbors Am notek                               | N/A            |
| Anbort       | And work Anbotek Anbo A.   | otek Anbore And atek                          | das            |
| 1.7.1 Anbote | Power rating and identification markings   | hotek Anboter Anb                             | P              |
| 1.7.1.1 And  | Power rating marking   | See below                                     | P P            |
| wotek a      | Multiple mains supply connections  | And otek anbotek Ant                          | P              |
| rek          | Rated voltage(s) or voltage range(s) (V):  | 5V hotek                                      | hpoten P       |
| AUDO         | Symbol for nature of supply, for d.c. only:  | - Anbart K work                               | NUL President  |



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| Jo ,                     | IEC 60950-1   | Ando                                     | Mpore   |
|--------------------------|---|--|---------|
| Clause                   | Requirement – Test  | Result - Remark                          | Verdict |
| Anbore                   | And Andrew Andrew Andrew Allers   | ok Anhoten And                           | NIO     |
| Anbote                   | Rated frequency or rated frequency range (Hz):                                  | crek Anbotek Anbo                        | N/A     |
| ok Jana                  | Rated current (mA or A)   | 1A Andrew                                | PAN     |
| 1.7.1.2                  | Identification markings   | Aupo, W. Potek Vup                       | oter P  |
| bor A                    | Manufacturer's name or trade-mark or identification mark                        | Shenzhen PuSou Electronic<br>Manufactory | nboteP  |
| Ai. notek                | Model identification or type reference:   | PWC12                                    | Auph    |
|                          | Symbol for Class II equipment only:   | And stek anbotek                         | N/A     |
| Anti                     | Other markings and symbols:   | oten Anbo tek abote                      | PAnt    |
| 1.7.1.3                  | Use of graphical symbols  | Not give rise to misunderstanding        | tek P   |
| 1.7.2                    | Safety instructions and marking   | User manual provided                     | hore P  |
| 1.7.2.1                  | General   | Aupo K. K. Potek                         | Aup B   |
| 1.7.2.2                  | Disconnect devices  | Anbor K Ant wotek                        | N/A     |
| 1.7.2.3                  | Overcurrent protective device   | otek Anboten Ann                         | N/A     |
| 1.7.2.4                  | IT power distribution systems   | hotek Anboten Anbo                       | → N/A   |
| 1.7.2.5                  | Operator access with a tool   | hotek Anbotek Anb                        | N/A     |
| 1.7.2.6                  | Ozone   | Anbotek Anbotek A                        | N/A     |
| 1.7.3                    | Short duty cycles   | Arm stek anbotek                         | N/A     |
| 1.7.4                    | Supply voltage adjustment:  | Continuous operation                     | N/A     |
| k Anbot                  | Methods and means of adjustment; reference to installation instructions:        | No such device                           | N/A     |
| 1.7.5                    | Power outlets on the equipment:   | n. otek Anbotek Anbo                     | N/A     |
| 1.7.6                    | Fuse identification (marking, special fusing characteristics, cross-reference): | Anbotek Anbotek Ar                       | N/A     |
| 1.7.7                    | Wiring terminals  | Aupotek Vupo                             | N/A     |
| 1.7.7.1                  | Protective earthing and bonding terminals:                                      | tek Anbotek Anbot                        | N/A     |
| 1.7.7.2 mo <sup>tt</sup> | Terminals for a.c. mains supply conductors                                      | tek nbotek Anbote                        | N/A     |
| 1.7.7.3                  | Terminals for d.c. mains supply conductors                                      | Tho tek shotek Anbo                      | N/A     |
| 1.7.8                    | Controls and indicators   | Anbote An hotek An                       | N/A     |
| 1.7.8.1                  | Identification, location and marking:   | Anbore K Ann Otek                        | N/A     |
| 1.7.8.2                  | Colours:  | Anboten Anbo                             | N/A     |
| 1.7.8.3                  | Symbols according to IEC 60417:   | ek Auporen Aupo                          | N/A     |
| 1.7.8.4                  | Markings using figures:   | otek Anbotek Anbote                      | N/A     |
| 1.7.9                    | Isolation of multiple power sources:  | notek nbotek Anbet                       | N/A     |
| 1.7.10                   | Thermostats and other regulating devices:                                       | No such regulating device                | N/A     |



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| 402       | IEC 60950-1   | Ar. St. Moter.   | Mpc              |
|-----------|---|--|------------------|
| Clause    | Requirement – Test  | Result - Remark  | Verdict          |
| 1.7.11    | Durability  | Rubbing test for 15 s with water then for 15 s with petroleum spirit | IP <sup>NO</sup> |
| 1.7.12    | Removable parts   | No removable parts.  | N/A              |
| 1.7.13    | Replaceable batteries:  | Aupore Augustek  | N/A              |
| Anbore    | Language(s):  | Anbotes Anna stek  | VUPOLEK          |
| 1.7.14    | Equipment for restricted access locations:                                | k Wipology Wipo  | N/A              |
| Anboton   | Anbotek Anbotek Anbotek   | otek Anbotek Antro   | , p.             |
| 2 Anbore  | PROTECTION FROM HAZARDS   | otek Anbotek Anbote  | P P              |
| 2.1       | Protection from electric shock and energy hazards                         | Anho tek Anbotek Anbr  | Р                |
| 2.1.1     | Protection in operator access areas                                       | Anbo tek abotek A  | P. P.            |
| 2.1.1.1   | Access to energized parts   | Class III equipment, SELV circuit only.                              | Anb P            |
| Anboten   | Test by inspection  | stek Anbotek Anbot   | N/A              |
| k Anbote  | Test with test finger (Figure 2A):  | stek nbotek Anbote   | N/A              |
| tek anb   | Test with test pin (Figure 2B):   | upo tek upotek Aupo  | N/A              |
| anbotek A | Test with test probe (Figure 2C):   | No TNV circuit within the equipment                                  | N/A              |
| 2.1.1.2   | Battery compartments  | , nbotek Anbote  | N/A              |
| 2.1.1.3   | Access to ELV wiring  | No internal wiring at ELV  | N/A              |
| Anbotel   | Working voltage (Vpeak or Vrms); minimum distance through insulation (mm) | abotek Anbotek Anbotek   | ek An            |
| 2.1.1.4   | Access to hazardous voltage circuit wiring                                | abotek Anbote Am   | N/A              |
| 2.1.1.5   | Energy hazards:   | abotek Anbotes Ar  | N/A              |
| 2.1.1.6   | Manual controls   | No such control  | N/A              |
| 2.1.1.7   | Discharge of capacitors in equipment                                      | An wotek Anbotek   | N/A              |
| hotek     | Measured voltage (V); time-constant (s):                                  | k Anti-Otek Anbotek  | 4110             |
| 2.1.1.8   | Energy hazards – d.c. mains supply  | bote. And otek anbot   | N/A              |
| Ne. YUB   | a) Capacitor connected to the d.c. mains supply:                          | Anbote. Anbotek  | N/A              |
| hotek Ar  | b) Internal battery connected to the d.c. mains supply:                   | Anbotek Anbetek  | N/A              |
| 2.1.1.9   | Audio amplifiers:   | Ann otek anbotek   | N/A              |
| 2.1.2     | Protection in service access areas  | No services access areas   | N/A              |
| 2.1.3     | Protection in restricted access locations                                 | Equipment not intended to used in restricted access locations        | N/A              |
| ipotok Ar | Por Au Poten Vibriek Vipo.  | Anbotes Ant  | notek.           |
| 2.2°°te×  | SELV circuits   | All Motek Anbotek  | N/A              |



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| ipos b      | IEC 60950-1  | Anhore K Ann Jotek          | nbotek           |
|-------------|--|-----------------------------|------------------|
| Clause      | Requirement – Test   | Result - Remark             | Verdict          |
| 2.2.1       | General requirements   | ok Ambote And               | N/A              |
| 2.2.2       | Voltages under normal conditions (V)   | Potok Wilhor Wir            | N/A              |
| 2.2.3       | Voltages under fault conditions (V):   | upotek Antote And           | N/A              |
| 2.2.4       | Connection of SELV circuits to other circuits:   | abotek Anbote, And          | N/A              |
| nbotek      | Anboth Anbotek Anbotek Anbo  | Anbotek Anbotek             | no otek          |
| 2.3 , poten | TNV circuits   | ek botek Anboten            | N/A              |
| 2.3.1       | Limits Limits Mark Market Mark | No TNV circuits             | N/A              |
| K NO        | Type of TNV circuits:  | ote And Lotek Anbotel       | P.U              |
| 2.3.2       | Separation from other circuits and from accessible parts   | Inbotek Anhotek Anh         | N/A              |
| 2.3.2.1     | General requirements   | hotek Anbotek A             | N/A              |
| 2.3.2.2     | Protection by basic insulation   | And Lotek Anbotek           | N/A              |
| 2.3.2.3     | Protection by earthing   | Anbotek anbotek             | N/A              |
| 2.3.2.4     | Protection by other constructions:   | otek Anbo tek abotek        | N/A              |
| 2.3.3       | Separation from hazardous voltages   | upotek Anbor Anbor          | <sup>∞</sup> N/A |
| yer An      | Insulation employed:   | Anbotek Anbore An           | notek_           |
| 2.3.4       | Connection of TNV circuits to other circuits   | anbotek Anbot A             | N/A              |
| hotek       | Insulation employed:   | hotek Anbore                | Vun-             |
| 2.3.5       | Test for operating voltages generated externally   | lok botek Anbotes           | N/A              |
| - abot      | Anbote And Stek Anbotek Anb  | or Annatek Anbotek          | An               |
| 2.4         | Limited current circuits   | Inpotes K And Sotek Anbo    | N/A              |
| 2.4.1       | General requirements   | No limited current circuits | N/A              |
| 2.4.2       | Limit values   | Anbores Anb                 | N/A              |
| Anbote      | Frequency (Hz):  | Anbotek Anbo                | -10/6            |
| Anbotek     | Measured current (mA):   | tek hopotek Anbout          | P.O.             |
| Anbote      | Measured voltage (V)   | tek hotek Anbote            | K Bur            |
| ek nt       | Measured circuit capacitance (nF or μF):   | the shotek Aupol            | _ I              |
| 2.4.3       | Connection of limited current circuits to other circuits   | Anbotek Anbotek An          | N/A              |
| Anbotek     | Anbot An hotek Anboten Anbo  | anbotek Anbote              | Ann              |
| 2.5 potek   | Limited power sources  | tek abotek Anbote           | N/A              |
| abote       | a) Inherently limited output   | ok hotek Anbotek            | N/A              |
| ok n        | b) Impedance limited output  | bor An wotek Anbot          | N/A              |
| potek P     | c) Regulating network limited output under normal operating and single fault condition   | (See table 2.5)             | N/A              |
| stek        | Use of integrated circuit (IC) current limiters  | All sek spotek              | N/A              |



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| Pos V   | IEC 60950-1   | Anbore K Ans Lotek     | nbotek  |
|---------|---|------------------------|---------|
| Clause  | Requirement – Test  | Result - Remark        | Verdict |
| aboles  | Augo K notek Aupon Aug  | ok botek Anbo          | ps.     |
|         | d) Overcurrent protective device limited output                             | Anbotek Anbotek        | N/A     |
| ek Anbo | Max. Output voltage (V), max. Output current (A), max. Apparent power (VA): | Solotek Anbotek Anbote | Ant     |
| otek A  | Current rating of overcurrent protective device (A).:                       | Anbotek Anbotek Ant    | nbotek- |
| Anbor   | Use of integrated circuit (IC) current limiters                             | Anbore Ans Otek        | Anbotek |

| 2.6 Anbote | Provisions for earthing and bonding   |                       | N/A        |
|------------|---|-----------------------|------------|
| 2.6.1      | Protective earthing   | Class III equipment   | N/A        |
| 2.6.2      | Functional earthing   | unbo tek anbotek Anb  | N/A        |
| Anbotek    | Use of symbol for functional earthing:  | Anbotek Anbotek A     | N/A        |
| 2.6.3      | Protective earthing and protective bonding conductors   | k Anbotek Anbotek     | N/A        |
| 2.6.3.1    | General   | oten Anbo tek mbotek  | N/A        |
| 2.6.3.2    | Size of protective earthing conductors  | mbotek Anbour An      | o N/A ⊸    |
| Jotek Anh  | Rated current (A), cross-sectional area (mm²), AWG:   | Anbotek Anbotek An    | botek_     |
| 2.6.3.3    | Size of protective bonding conductors   | Anbo tek nbotek       | N/A        |
| Anbotek    | Rated current (A), cross-sectional area (mm²), AWG:   | tek Anbotek Anbotek   | VIII-POLE. |
| K Anbote   | Protective current rating (A), cross-sectional area (mm²), AWG:   | hbotek Anbotek Anbote | ek b       |
| 2.6.3.4    | Resistance of earthing conductors and their terminations; resistance (Ω), voltage drop (V), test current (A), duration (min): | Anbotek Anbotek Ar    | N/A        |
| 2.6.3.5    | Colour of insulation:   | Aupotes Aupo          | N/A        |
| 2.6.4      | Terminals   | tek anbotek Anbot     | N/A        |
| 2.6.4.1    | General   | otek Anbotek Anbote   | N/A        |
| 2.6.4.2    | Protective earthing and bonding terminals   | tek nbotek Anbo       | N/A        |
| nbotek A   | Rated current (A), type, nominal thread diameter (mm):  | Anbotek Anbotek An    | potek      |
| 2.6.4.3    | Separation of the protective earthing conductor from protective bonding conductors  | Anbotek Anbotek       | N/A        |
| 2.6.5      | Integrity of protective earthing  | lek Anbo tek shotek   | N/A        |
| 2.6.5.1    | Interconnection of equipment  | botek Anbott An       | N/A        |
| 2.6.5.2    | Components in protective earthing conductors and protective bonding conductors  | Anbotek Anbotek An    | N/A        |
| 2.6.5.3    | Disconnection of protective earth   | Anbor An hotek        | N/A        |
| 2.6.5.4    | Parts that can be removed by an operator  | Aupors Aug            | N/A        |



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| Clarica     | Descripement Testell Ambour  | Decult Spanneds And   | \/andia |
|-------------|--|-----------------------|---------|
| Clause      | Requirement – Test   | Result - Remark       | Verdic  |
| 2.6.5.5     | Parts removed during servicing   | Anno Anbotek          | N/A     |
| 2.6.5.6     | Corrosion resistance   | bote And otek Anbot   | N/A     |
| 2.6.5.7     | Screws for protective bonding  | Anbotel Anbotek       | N/A     |
| 2.6.5.8     | Reliance on telecommunication network or cable distribution system     | Anbotek Anbotek       | N/A     |
| An          | Anbotek Anbotek Anbotek  | And otek Anbotek      | Aupor   |
| 2.7 mb      | Overcurrent and earth fault protection in primary of                   | circuits              | N/A     |
| 2.7.1 And   | Basic requirements   | Class III equipment   | N/A     |
| otek Anbo   | Instructions when protection relies on building installation           | Anbotek Anbotek Anb   | N/A     |
| 2.7.2       | Faults not simulated in 5.3.7  | Anbo tek abotek       | N/A     |
| 2.7.3       | Short-circuit backup protection  | Anbo. An abotek       | N/A     |
| 2.7.4       | Number and location of protective devices:                             | ek Anbor All hotek    | N/A     |
| 2.7.5       | Protection by several devices  | ootek Anbote And Sote | N/A     |
| 2.7.6 Maria | Warning to service personnel:  | abotek Anbote Ant     | N/A     |
| otek Ant    | ote And stek Anbotek Anbo  | botek Anbote Anb      | stek    |
| 2.8         | Safety interlocks  | An botek Anboten A    | N/A     |
| 2.8.1       | General principles   | No safety interlocks  | N/A     |
| 2.8.2       | Protection requirements  | And otek Anbotek      | N/A     |
| 2.8.3       | Inadvertent reactivation   | Anbo stek anbotel     | N/A     |
| 2.8.4       | Fail-safe operation  | Anbotek Anbo tek nor  | N/A     |
| oter And    | Protection against extreme hazard                                      | Anbotek Anbo. Anbo.   | N/A     |
| 2.8.5       | Moving parts   | anbotek Anbot A       | N/A     |
| 2.8.6       | Overriding   | k nbotek Anbote       | N/A     |
| 2.8.7       | Switches and relays and their related circuits                         | tek shotek Anbotes    | N/A     |
| 2.8.7.1     | Separation distances for contact gaps and their related circuits (mm): | hotek Anbotek Anbote  | N/A     |
| 2.8.7.2     | Overload test  | Anbotek Anbors An     | N/A     |
| 2.8.7.3     | Endurance test   | Anbotek Anbote Ar     | N/A     |
| 2.8.7.4     | Electric strength test   | K Anbotek Anbote      | N/A     |
| 2.8.8       | Mechanical actuators   | ek abotek Anboten     | N/A     |
| abotel      | Aupore Aug Vierk Villosey, Villosey, Villosey                          | ek hotek Anbotek      | Anb     |
| 2.9         | Electrical insulation  | inpos And Notek Anbo  | N/A     |
| 2.9.1       | Properties of insulating materials                                     | Anbote K Ama-         | N/A     |
| 2.9.2       | Humidity conditioning  | Aupoten Aupo Kek      | N/A     |
|             |  |                       |         |

2.10.3.9



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| Pipose, Vi | IEC 60950-1                                       | Anbotes Anbo Lek      | abotek  |
|------------|---|-----------------------|---------|
| Clause     | Requirement – Test                                | Result - Remark       | Verdict |
| abotek     | Augo, W. Week Vupore, Buo,                        | ok botek Anbor        | P//     |
| 2.9.3      | Grade of insulation                               | K hotek Anboten       | N/A     |
| 2.9.4      | Separation from hazardous voltages                | bote Ant arbote       | N/A     |
| Y Am       | Method(s) used                                    | Anbote And atek and   | rek -   |
| oce. Yu    | stek spotek Anbor All sotek                       | Anboten Anbo          | botek   |
| 2.10       | Clearances, creepage distances and distances the  | ough insulation       | N/A     |
| 2.10.1     | General   | k Anbotek Anbote      | N/A     |
| 2.10.1.1   | Frequency:  | tek abotek Anbote     | N/A     |
| 2.10.1.2   | Pollution degrees:                                | lek botek Anbote      | N/A     |
| 2.10.1.3   | Reduced values for functional insualtion          | rupog by Purek Vupe   | N/A     |
| 2.10.1.4   | Intervening unconnected conductive parts          | Anbote K Ant.         | N/A     |
| 2.10.1.5   | Insulation with varying dimensions                | Anboros Anti-         | N/A     |
| 2.10.1.6   | Special separation requirements                   | K Anboren Anbo        | N/A     |
| 2.10.1.7   | Insulation in circuits generating starting pulses | otek Anbotek Anbot    | N/A     |
| 2.10.2     | Determination of working voltage                  | otek Anbotek Anbot    | N/A     |
| 2.10.2.1   | General   | hipotek Anbotek Anbo  | N/A     |
| 2.10.2.2   | RMS working voltage                               | Anbo tek abotek Ar    | N/A     |
| 2.10.2.3   | Peak working voltage                              | Anboa tek abotek      | N/A     |
| 2.10.3     | Clearances  | Anbor All hotek       | N/A     |
| 2.10.3.1   | General   | stek Anboto And hotek | N/A     |
| 2.10.3.2   | Mains transient voltages                          | abotek Anbote And     | N/A     |
| tek Anb    | a) AC mains supply·····:                          | abotek Anbote And     | N/A     |
| botek A    | b) Earthed d.c. mains supplies ·····:             | hotek Anboten An      | N/A     |
| botek      | c) Unearthed d.c. mains supplies ·····:           | Ant hotek Anbotek     | N/A     |
| Motek      | d) Battery operation ·····::                      | K notek Anbotek       | N/A     |
| 2.10.3.3   | Clearances in primary circuits                    | te. And Stek Supoter  | N/A     |
| 2.10.3.4   | Clearances in secondary circuits                  | Thosek Whole          | N/A     |
| 2.10.3.5   | Clearances in circuits having starting pulses     | Aupotok Aupo Air      | N/A     |
| 2.10.3.6   | Transients from a.c. mains supply:                | Anbotek Anbote An     | N/A     |
| 2.10.3.7   | Transients from d.c. mains supply:                | nbotek Anbote         | N/A     |
| 2.10.3.8   | Transients from telecommunication networks and    | ek abotek Anboten     | N/A     |
| rek        | cable distribution systems:                       | Air tek aboten        | And     |

N/A

N/A

N/A

N/A

Measurement of transient voltage levels

For an a.c. mains supply .....:

For a d.c. mains supply .....:

a) Transients from a mains suplply



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| No.        | IEC 60950-1  | Anby K. sotek        | upole   |
|------------|--|----------------------|---------|
| Clause     | Requirement – Test   | Result - Remark      | Verdict |
| Anbore.    | And Anbatek Anbo, An   | ek Amboten Ambo      | lode    |
| Anbotek    | b) Transients from a telecommunication network :                       | otek Anbotek Anbot   | N/A     |
| 2.10.4     | Creepage distances   | otek nbotek Anbore   | N/A     |
| 2.10.4.1   | General  | Anbo Anb             | N/A     |
| 2.10.4.2   | Material group and caomparative tracking index                         | Anbore An Potek      | N/A     |
| Anbore     | CTI tests  | Anbote And And       | Pupotek |
| 2.10.4.3   | Minimum creepage distances   | ek Aupoter Aupo      | N/A     |
| 2.10.5     | Solid insulation   | otek Anbotek Anbo    | N/A     |
| 2.10.5.1   | General  | otek Anbotek Anbote  | N/A     |
| 2.10.5.2   | Distances through insulation   | anbotek Anbrek Anbre | N/A     |
| 2.10.5.3   | Insulating compound as solid insulation                                | Anbo tek Abotek A    | N/A     |
| 2.10.5.4   | Semiconductor devices  | Anbo. A. hotek       | N/A     |
| 2.10.5.5   | Cemented joints  | k Anbor Am wotek     | N/A     |
| 2.10.5.6   | Thin sheet material  | otek Anbore And otek | N/A     |
| 2.10.5.7   | Separable thin sheet material  | botek Anbotek Anbo   | « N/A   |
| otek Anb   | Number of layers (pcs):  | hotek Anbotek Anb    | * 6 K   |
| 2.10.5.8   | Non-separable thin sheet material                                      | And otek Anbotek Ar  | N/A     |
| 2.10.5.9   | Thin sheet material – standard test procedure                          | And otek anbotek     | N/A     |
| Anno       | Electric strength test   | Anbo tek abotek      | Anbote  |
| 2.10.5.10  | Thin sheet material – alternative test procedure                       | stek Aubor An spotek | N/A     |
| Anbo       | Electric strength test   | hotek Anbore An      | ek - 1  |
| 2.10.5.11  | Insulation in wound components   | abotek Anbote And    | N/A     |
| 2.10.5.12  | Wire in wound components   | Anbotek Anbotes Ar   | N/A     |
| abotek     | Working voltage:   | hotek Anborek        | N/A     |
| Motek      | a) Basic insulation not under stress:                                  | K notek Anbotek      | N/A     |
| P.O. Potek | b) Basic, supplemetary, reinforced insulation:                         | ter And Otek Anbotek | N/A     |
| stek Anbo  | c) Compliance with Annex U   | abotek Anbotek Anbot | N/A     |
| Anbotek Ar | Two wires in contact inside wound component; angle between 45° and 90° | Anbotek Anbotek An   | N/A     |
| 2.10.5.13  | Wire with solvent-based enamel in wound components                     | lek Anbotek Anbotek  | N/A     |
| Ano        | Electric strength test   | poter Anbo Rek abot  | N/A     |
| lek Aupo   | Routine test   | Anbotek Anbote An    | N/A     |
| 2.10.5.14  | Additional insulation in wound components                              | abotek Anbotes An    | N/A     |
| botek      | Working voltage:   | All Lotek Anbotek    | N/A     |



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| Nek           | IEC 60950-1  | An.  | Wpo.           |
|---------------|--|--|----------------|
| Clause        | Requirement – Test   | Result - Remark                              | Verdic         |
| Pupore        | Perio inquistion not under strong  | ok Anhote And otek                           | NIZA           |
| Anboter       | - Basic insulation not under stress:                                       | rotek Anhotek Anho                           | N/A            |
| K Anboti      | - Supplemetary, reinforced insulation:                                     | otek Anbotek Anbot                           | N/A            |
| 2.10.6        | Construction of printed boards   | Anbo Markek Anb                              | N/A            |
| 2.10.6.1      | Uncoated printed boards  | Aupor Air                                    | N/A            |
| 2.10.6.2      | Coated printed boards  | Anbore And Botek                             | N/A            |
| 2.10.6.3      | Insulation between conductors on the same inner surface of a printed board | k Anbote Anbotek                             | N/A            |
| 2.10.6.4      | Insulation between conductors on different layers of a printed board       | botek Anbotek Anbotel                        | N/A            |
|               | Distance through insulation  | Anbotek Anbotek Anbi                         | N/A            |
| notek !       | Number of insulation layers (pcs):   | And otek anbotek A                           | N/A            |
| 2.10.7        | Component external terminations  | Antibe sek abotek                            | N/A            |
| 2.10.8        | Tests on coated printed boards and coated components                       | tek Anbotek Anbotek                          | N/A            |
| 2.10.8.1      | Sample preparation and preliminary inspection                              | stek spotek Anbots                           | N/A            |
| 2.10.8.2      | Thermal conditioning   | Tupo tek upotek Aupo                         | N/A            |
| 2.10.8.3      | Electric strength test   | Anbox Ar botek Ar                            | N/A            |
| 2.10.8.4      | Abrasion resistance test   | Anbore An Botek                              | N/A            |
| 2.10.9        | Thermal cycling  | Anbots And And                               | N/A            |
| 2.10.10       | Test for Pollution Degree 1 environment and insulating compound            | otek Auporen Auporek                         | N/A            |
| 2.10.11       | Tests for semiconductor devices and cemented joints                        | nbotek Anbotek Anbo                          | N/A            |
| 2.10.12       | Enclosed and sealed parts  | Anbotek Anboten Ar                           | N/A            |
| botek         | Anbotes Anno Stek Anbotes Annos  | k notek Anborek                              | Aupo           |
| Notek Notek   | WIRING, CONNECTIONS AND SUPPLY   | K Anbotek                                    | Aupo.          |
| 3.1 Lote      | General  | otek Anbotek                                 | P <sub>U</sub> |
| 3.1.1         | Current rating and overcurrent protection                                  | Those Aupo tek Spot                          | Р              |
| 3.1.2         | Protection against mechanical damage                                       | Anborek Anbor An                             | otek P         |
| 3.1.3         | Securing of internal wiring  | Anbotek Anbot An                             | , notP         |
| 3.1.4         | Insulation of conductors   | anbotek Anbote                               | Pre            |
| 3.1.5         | Beads and ceramic insulators   | ek abotek Anboten                            | N/A            |
| 3.1.6 Anbotek | Screws for electrical contact pressure                                     | No screws are used as electrical connections | N/A            |
| 3.1.7         | Insulating materials in electrical connections                             | No such materials                            | N/A            |
| 3.1.8         | Self-tapping and spaced thread screws                                      | No such screws                               | N/A            |
| 3.1.9         | Termination of conductors  | but stek spokek                              | Inbot P. of    |



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| ozok.       | IEC 60950-1  | And tek motek            | Wpor K            |
|-------------|--|--------------------------|-------------------|
| Clause      | Requirement – Test   | Result - Remark          | Verdict           |
| Anbo        | 10 N pull test   | tek Ambor An abotek      | Ib <sub>pot</sub> |
| 3.1.10      | Sleeving on wiring   | hotek Anbor Al.          | N/A               |
| ek Ant      | sek spotek Aupotes Aupotek                                     | Anbotek Anbote An        | otek              |
| 3.2         | Connection to a mains supply                                   | abotek Anbote Ant        | N/A               |
| 3.2.1       | Means of connection  | nbotek Anbotek           | N/A               |
| 3.2.1.1     | Connection to an a.c. mains supply                             | k Anbotek Anboten        | N/A               |
| 3.2.1.2     | Connection to a d.c. mains supply                              | ok hotek Anbotek         | N/A               |
| 3.2.2       | Multiple supply connections                                    | illore Ann hotek Anbote  | N/A               |
| 3.2.3       | Permanently connected equipment                                | Anbote K Anb             | N/A               |
| Anbotek     | Number of conductors, diameter of cable and conduits (mm)      | Anbotek Anbotek A        | hotek hotek       |
| 3.2.4       | Appliance inlets   | ek abotek Anbote         | N/A               |
| 3.2.5       | Power supply cords   | ek botek Anbote          | N/A               |
| 3.2.5.1     | AC power supply cords  | how And notek Anbotel    | N/A               |
| N. K.       | Type   | Inbote K Am. Lotek Anbr  | Cok -             |
| nbotek      | Rated current (A), cross-sectional area (mm²), AWG             | Anbotek Anbotek A        | botek_            |
| 3.2.5.2     | DC power supply cords  | Ar hotek Anboten         | N/A               |
| 3.2.6       | Cord anchorages and strain relief                              | An wotek Anbotek         | N/A               |
| K NC        | Mass of equipment (kg), pull (N)                               | obte And otek Anbotek    | -p.nb             |
| Ani         | Longitudinal displacement (mm)                                 | Pupoter Ando stek anbo   | iek b             |
| 3.2.7       | Protection against mechanical damage                           | Anboten Anbo tek         | N/A               |
| 3.2.8       | Cord guards  | Anbotek Anbo A           | N/A               |
| Anbotek     | Diameter or minor dimension D (mm); test mass (g)              | Anbotek Anbotek          | Anbotel           |
| Ann         | Radius of curvature of cord (mm)                               | otek Anbotek             | Anb               |
| 3.2.9       | Supply wiring space  | Albotek Anbo tek ho      | N/A               |
| HER AT      | bo k hotek Anbote. And   | Anbotek Anbot Air        | potek             |
| 3.3         | Wiring terminals for connection of external condu              | ctors botek Anbout An    | N/A               |
| 3.3.1       | Wiring terminals   | No such wiring terminals | N/A               |
| 3.3.2       | Connection of non-detachable power supply cords                | otek Anbotek Anboten     | N/A               |
| 3.3.3 Anbol | Screw terminals  | botek Anbote And         | N/A               |
| 3.3.4       | Conductor sizes to be connected                                | hotek Anbotes Anb        | N/A               |
| lbotek      | Rated current (A), cord/cable type, cross-sectional area (mm²) | Anbotek Anbotek An       | Lnbotek L         |
| 3.3.5       | Wiring terminal sizes  | K Anbote And             | N/A               |



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| , ok     | IEC 60950-1   | Anbo                     | Anbore              |
|----------|---|--------------------------|---------------------|
| Clause   | Requirement – Test                                    | Result - Remark          | Verdict             |
| Anbore   | Dated suggest (A) type, persinal thread diameter      | ak Anhoten Anbe          | , nbol              |
|          | Rated current (A), type, nominal thread diameter (mm) | botek Anboten Anbo       | 3K 12-              |
| 3.3.6 pm | Wiring terminal design                                | abotek Anbote Anb        | N/A                 |
| 3.3.7    | Grouping of wiring terminals                          | Ar. botek Anboten Ani    | N/A                 |
| 3.3.8    | Stranded wire   | Ant Sotek Anbotek        | N/A                 |
| wotek.   | Anbotek Anbo Lek Abotek Anbote                        | And otek Anbotek         | Anbor               |
| 3.4 nex  | Disconnection from the mains supply                   | Anbo tek nbotek          | N/A                 |
| 3.4.1    | General requirement                                   | Class III equipment      | N/A                 |
| 3.4.2    | Disconnect devices                                    | nbotek Anbots Am         | w <sup>™</sup> N/A  |
| 3.4.3    | Permanently connected equipment                       | No such equipment        | N/A                 |
| 3.4.4    | Parts which remain energized                          | hotek Anborek            | N/A                 |
| 3.4.5    | Switches in flexible cords                            | No switch used           | N/A                 |
| 3.4.6    | Number of poles – single-phase and d.c. equipment     | otek Anbotek Anbotek     | N/A                 |
| 3.4.7 M  | Number of poles – three-phase equipment               | abotek Anbotek Anbo      | . N/A               |
| 3.4.8    | Switches as disconnect devices                        | hotek Anbotek Anb        | N/A                 |
| 3.4.9    | Plugs as disconnect devices                           | Anbotek Anbotek A        | N/A                 |
| 3.4.10   | Interconnected equipment                              | No such equipment        | N/A                 |
| 3.4.11   | Multiple power sources                                | Anbo tek nbotek          | N/A                 |
| Anb      | and and Andrew Andrew Anti-                           | Jotek Antio tek shotel   | Anb                 |
| 3.5 Amou | Interconnection of equipment                          | Anbotek Anbott All       | Jek P               |
| 3.5.1    | General requirements                                  | anbotek Anbote And       | ote <sup>K</sup> P  |
| 3.5.2    | Types of interconnection circuits:                    | Connect to SELV circuits | - Be                |
| 3.5.3    | ELV circuits as interconnection circuits              | No ELV circuit           | N/A                 |
| 3.5.4    | Data ports for additional equipment                   | k notek Anbotek          | N/A                 |
| Pur Pote | k Anbotek Anbo tek abotek Anb                         | oter Ambotek Anbotek     | Anb                 |
| V Anu    | PHYSICAL REQUIREMENTS                                 | inpotor Aupo tek upo     | PP                  |
| 1.1 And  | Stability   | Aupoter, Vuoc. Tek       | N/A                 |
| poten b  | Angle of 10°  | Approx. 0.041Kg          | N/A                 |
| Anbotek  | Test force (N):                                       | K Anbotek Anboro         | N/A                 |
| Anbotek  | Aubore August August Augus                            | tek abotek Anboth        | P.O.                |
| .2 nbote | Mechanical strength                                   | tek abotek Anboten       | P                   |
| .2.1     | General   | Moor Anton               | N/A                 |
| 1.2.2    | Steady force test, 10 N                               | Anbote K Anb Jek An      | pote <sup>x</sup> P |
| 1.2.3    | Steady force test, 30 N                               | Anboter, Anbo stek       | N/A                 |
| 1.2.4    | Steady force test, 250 N                              | Notek Anbor              | N. Brok             |



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|               | IEC 60950-1  |  |               |
|---------------|--|--|---------------|
| Clause        | Requirement – Test                                     | Result - Remark                                  | Verdict       |
| 4.2.5         | Impact test  | ek Anbote And Lotek                              | N/A           |
| 4.2.5 Aupote. | Fall test  | otek Anbotek Anbo                                |               |
| ek Anbo       | Swing test   | botek Anbotek Anbo                               | N/A<br>N/A    |
| 4.2.6         | Drop test; height (mm):                                | 1m, 3 times                                      | P             |
| 4.2.7         | Stress relief test                                     | 70°C, 7h   | nbotel<br>Rek |
| 4.2.8         | Cathode ray tubes                                      | 700,711  | VIDO          |
| 4.2.0         | The Man In the Man                                     | K Aupor All.                                     | N/A           |
| 4.0.0 Ambore  | Picture tube separately certified:                     | Ma bink manager Yanga in Motel                   | N/A           |
| 4.2.9         | High pressure lamps                                    | No high pressure lamps in the equipment.         | N/A           |
| 4.2.10        | Wall or ceiling mounted equipment; force (N):          | Not intended to be mounted on a wall or ceiling. | N/A           |
| 4.2.11        | Rotating solid media                                   | Anbott K Ant Lotek                               | N/A           |
| Anbote        | Test to cover on the door:                             | k Anboien Anbo                                   | N/A           |
| Anboten       | Anbotek Anbotek Anbote                                 | otek Anbotek Anbo                                | · A           |
| 4.3           | Design and construction                                | otek Anbotek Anbote                              | ω P           |
| 4.3.1         | Edges and corners                                      | The outer surface of the equipment is smooth     | botekP        |
| 4.3.2         | Handles and manual controls; force (N):                | Anbotek Anbo                                     | N/A           |
| 4.3.3         | Adjustable controls                                    | No adjustable controls                           | N/A           |
| 4.3.4         | Securing of parts                                      | tek anbotek Anbore                               | P             |
| 4.3.5         | Connection by plugs and sockets                        | tek abotek Anbotek                               | N/A           |
| 4.3.6         | Direct plug-in equipment                               | hoot An botek Anbo                               | N/A           |
| . ok          | Torque:  | Anbore K Ans wotek Ar                            | poter         |
| nbotek        | Compliance with the relevant mains plug standard       | Anbotek Anbotek                                  | N/A           |
| 4.3.7         | Heating elements in earthed equipment                  | No such elements                                 | N/A           |
| 4.3.8         | Batteries  | k And otek Anbotek                               | N/A           |
| k bur         | - Overcharging of a rechargeable battery               | hoter Amb stek most                              | N/A           |
| potek Au      | - Unintentional charging of a non-rechargeable battery | Anbotek Anbotek An                               | N/A           |
| notek         | - Reverse charging of a rechargeable battery           | And otek Anbotek                                 | N/A           |
| And           | - Excessive discharging rate for any battery           | Anbotek nbotek                                   | N/A           |
| 4.3.9         | Oil and grease   | No oil and grease                                | N/A           |
| 4.3.10        | Dust, powders, liquids and gases                       | No dust, powders, liquids and gases              | N/A           |
| 4.3.11        | Containers for liquids or gases                        | No such containers                               | N/A           |
| 4.3.12        | Flammable liquids:                                     | No flammable liquid                              | N/A           |
| Anbore        | Quantity of liquid (I)                                 | Anbott Ant                                       | N/A           |

4.5

Thermal requirements



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| Yes        | IEC 60950-1  | VI. St. Moter            | Aupo    |
|------------|--|--------------------------|---------|
| Clause     | Requirement – Test   | Result - Remark          | Verdict |
| Aupor      | Floch point (9C)   | tek Amore And            | N/A     |
| 4.3.13     | Flash point (°C):  Radiation                                       | botek Anboten Anbo       |         |
| 4.3.13.1   | General  | notek Anbotek Anbo       | N/A     |
| 4.3.13.1   | TOLO ALL COLOR MADO  | No ionizing radiation    | N/A     |
| 4.3.13.2   | Ionizing radiation   | No ionizing radiation    | N/A     |
| Anbe       | Measured radiation (pA/kg):  | Anbo A. Abotek           | Pupofe. |
| Anbo       | Measured high-voltage (kV)   | ek Aupor Air.            | Aupote  |
| Aupore     | Measured focus voltage (kV):                                       | Jotek Anbote K And       | - Ant   |
| ek Anbo    | CRT markings   | hotek Anboten Anbo       |         |
| 4.3.13.3   | Effect of ultraviolet (UV) radiation on materials                  | No ultraviolet radiation | N/A     |
|            | Part, property, retention after test, flammability classification: | Anbotek Anbotek          | N/A     |
| 4.3.13.4   | Human exposure to ultraviolet (UV) radiation:                      | ok botek Anbote          | N/A     |
| 4.3.13.5   | Lasers (including laser diodes) and LEDs                           | An notek Anbotek         | N/A     |
| 4.3.13.5.1 | Lasers (including laser laser diodes)                              | oole, Am ofek anbotel    | N/A     |
| V. Ville   | Laser class :::::::::::::::::::::::::::::::::::                    | Class I                  | rek b   |
| 4.3.13.5.2 | Light emitting diodes (LEDs)                                       | Anbotek Anbo             | botek_  |
| 4.3.13.6   | Other types:   | Anbotek Anbot A          | N/A     |
| Anbotek    | Anbotek Anbotek Anbotek  | ak abotek Anbote         | An      |
| 4.4 abotek | Protection against hazardous moving parts                          | tek shotek Anbotes       | N/A     |
| 4.4.1      | General  | ok hotek Anboter         | N/A     |
| 4.4.2      | Protection in operator access areas:                               | Aupote K Ann             | N/A     |
| or Au      | Household and home/office document/media shredders                 | (see Annex EE)           | N/A     |
| 4.4.3      | Protection in restricted access locations:                         | An otek Anbotek          | N/A     |
| 4.4.4      | Protection in service access areas                                 | Anno dek nbotek          | N/A     |
| 4.4.5      | Protection against moving fan blades                               | drek Anbo tek            | N/A     |
| 4.4.5.1    | General  | hotek Anbot Al.          | N/A     |
| otek Ant   | Not considered to cause pain or injury. a):                        | anbotek Anbote Am        | N/A     |
| nbotek     | Is considered to cause pain, not injury. b):                       | nbotek Anbotel Ar        | N/A     |
| abotek     | Considered to cause injury. c):                                    | Anbotek Anbotek          | N/A     |
| 4.4.5.2    | Protection for users   | ak notek Anbotok         | N/A     |
| , wote     | Use of symbol or warning:  | k Aun Olek Vupotek       | N/A     |
| 4.4.5.3    | Protection for service persons                                     | Those Aubo tek woot      | N/A     |
| 7.94       | A NOTE AND                     | LOK HO' AI'              | ,,,     |



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|          | IEC 60950-1  |                            |                     |
|----------|--|----------------------------|---------------------|
| Clause   | Requirement – Test   | Result - Remark            | Verdic              |
| - Pupote | Aug Tek Dotek Vupor W.   | ok Arboten And             | -//00               |
| 4.5.1    | General  | otek Anbotek Anbot         | P                   |
| 4.5.2    | Temperature tests  | Bo A. Botek Anbore         | P                   |
| Pr.      | Normal load condition per Annex L:                                     | Anbors Air notek Anb       | oten                |
| 4.5.3    | Temperature limits for materials                                       | (see appended table 4.5)   | derode P            |
| 4.5.4    | Touch temperature limits   | (see appended table 4.5)   | Rek                 |
| 4.5.5    | Resistance to abnormal heat:   | ek anbotek Anbore          | N/A                 |
| nbotek   | Anbote Anbotek Anbotek Anbo  | ok abotek Anbote           | Ans                 |
| 4.6      | Openings in enclosures   |                            | N/A                 |
| 4.6.1    | Top and side openings  | Anbore Ans Otek Anbr       | N/A                 |
| ore " Pr | Dimensions (mm):   | Anbote And stek            | 10tek               |
| 4.6.2    | Bottoms of fire enclosures   | Aupotes Aupo rek           | N/A                 |
| Anbotek  | Construction of the bottomm, dimensions (mm) .:                        | ek Anbotek Anbot           | - NO.               |
| 1.6.3    | Doors or covers in fire enclosures                                     | tek abotek Anbotes         | N/A                 |
| 1.6.4    | Openings in transportable equipment                                    | or Anboice                 | N/A                 |
| 1.6.4.1  | Constructional design measures   | Pupose K Wun               | N/A                 |
| X Mu     | Dimensions (mm):   | Anboten Anto stek          | botek_              |
| 1.6.4.2  | Evaluation measures for larger openings                                | Anborek Anbo               | N/A                 |
| 1.6.4.3  | Use of metallized parts  | Ny Aupotek Aupot           | N/A                 |
| 4.6.5    | Adhesives for constructional purposes                                  | tek abotek Anbote          | N/A                 |
| hot      | Conditioning temperature (°C), time (weeks):                           | Lek botek Anboten          | - Pu                |
| ek el    | octek Anboten Anboten  | Anbote Anbo                | lok.                |
| 1.7      | Resistance to fire   | Anbote. And otek Ar        | pote <sup>¥</sup> P |
| 4.7.1    | Reducing the risk of ignition and spread of flame                      | Anbotok Anbo tok           | nbolok              |
| Anbotek  | Method 1, selection and application of components wiring and materials | (see appended table 4.7)   | Au Bote             |
| Anbote   | Method 2, application of all of simulated fault condition tests        | botek Anbotek Anbotek      | N/A                 |
| 1.7.2    | Conditions for a fire enclosure  | notek Anbotek Anbo         | , eK P              |
| 1.7.2.1  | Parts requiring a fire enclosure                                       | And Lotek Anbotek An       | P                   |
| 1.7.2.2  | Parts not requiring a fire enclosure                                   | Anb rek abotek             | N/A                 |
| 1.7.3    | Materials  | Anios Ali notek            | Anbore              |
| 1.7.3.1  | General  | PCB:V-0                    | Pol                 |
| 1.7.3.2  | Materials for fire enclosures  | (see appended table 1.5.1) | У Р.                |
| 4.7.3.3  | Materials for components and other parts outside fire enclosures       | Anbotek Anbotek Anbos      | otek P              |
| 4.7.3.4  | Materials for components and other parts inside fire enclosures        | (see appended table 1.5.1) | N/A                 |



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| pote, A         | IEC 60950-1   | hotek           |
|-----------------|---|-----------------|
| Clause          | Reguirement – Test Result - Remark  | Verdict         |
| Jiddoc          | Annual Test   | Voluio          |
| 4.7.3.5         | Materials for air filter assemblies No air filter assemblies.   | N/A             |
| 4.7.3.6         | Materials used in high-voltage components  No high-voltage components   | N/A             |
| Vu <sub>b</sub> | otek nibotek Anbotek Anbotek Anbotek Anbotek  | abotek          |
| Dolley V.       | ELECTRICAL REQUIREMENTS AND SIMULATED ABNORMAL CONDITIONS   | hotep           |
| 5,10ter         | Touch current and protective conductor current  | N/A             |
| 5.1.1           | General   | N/A             |
| 5.1.2           | Configuration of equipment under test (EUT)   | N/A             |
| 5.1.2.1         | Single connection to an a.c. mains supply   | N/A             |
| 5.1.2.2         | Redundant multiple connections to an a.c. mains supply  | N/A             |
| 5.1.2.3         | Simultaneous multiple connections to an a.c. mains supply   | N/A             |
| 5.1.3           | Test circuit  | N/A             |
| 5.1.4           | Application of measuring instrument   | N/A             |
| 5.1.5 Anbor     | Test procedure  | . N/A           |
| 5.1.6           | Test measurements   | N/A             |
| hotek           | Supply voltage (V):   | Albor -K        |
| ,no otek        | Measured touch current (mA):  | Anbore-         |
| Anbe            | Max. Allowed touch current (mA):  | Anbor           |
| Anba            | Measured protective conductor current (mA):   | ek An'          |
| Aupon           | Max. Allowed protective conductor current (mA). :   | olek -          |
| 5.1.7           | Equipment with touch current exceeding 3,5 mA   | N/A             |
| 5.1.7.1         | General   | N/A             |
| 5.1.7.2         | Simultaneous multiple connections to the supply   | N/A             |
| 5.1.8           | Touch currents to telecommunication networks and cable distribution systems and from telecommunication networks | N/A             |
| 5.1.8.1         | Limitation of the touch current to a telecommunication network or to a cable distribution system                | N/A             |
| lbo.            | Supply voltage (V):   | Aupoten         |
| Aupor           | Measured touch current (mA):  | An <u>b</u> ote |
| Anbore          | Max. Allowed touch current (mA)   | 1K -00          |
| 5.1.8.2         | Summation of touch currents from telecommunication networks   | N/A             |
| KUD.            | a) EUT with earthed telecommunication ports :   | N/A             |

N/A

b) EUT whose telecommunication ports have no reference to protective earth



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| Yan                  | IEC 60950-1   | A   | Mo                  |
|----------------------|---|---|---------------------|
| Clause               | Requirement – Test  | Result - Remark   | Verdict             |
| 5.2                  | Electric strength   | tek Anhote Ann  | N/A                 |
| 5.2.1                | General   | potek Anbo, Au  | N/A                 |
| 5.2.2                | Test procedure  | upotek Anbore An  | N/A                 |
| potek Ar             | Motel Anbotek Anbo  | abotek Anbote And   | ·otek               |
| 5.3 ° <sup>tev</sup> | Abnormal operating and fault conditions   | Anbotek Anbotek   | Rek                 |
| 5.3.1                | Protection against overload and abnormal operation  | (see appended table 5.3)  | Anbot<br>Anbot      |
| 5.3.2                | Motors  | otek Anbore Am hotel  | N/A                 |
| 5.3.3                | Transformers  | abotek Anbotes And  | .o <sup>™</sup> N/A |
| 5.3.4                | Functional insulation:  | By Short circuit  | P                   |
| 5.3.5                | Electromechanical components  | hotek Anbotek A   | P.K                 |
| 5.3.6                | Audio amplifiers in ITE:  | And Jek Anbotek   | N/A                 |
| 5.3.7                | Simulation of faults  | Anbotek anbotek   | APOOL               |
| 5.3.8                | Unattended equipment  | otek Auto tek Wholeh  | N/A                 |
| 5.3.9                | Compliance criteria for abnormal operating and fault conditions   | Inpotek Anbotek Anbo  | e <sup>k</sup> P    |
| 5.3.9.1              | During the tests  | Anto stek anbotek A   | P                   |
| 5.3.9.2              | After the tests   | No hazards.   | Aupole B            |
| Anbo                 | nbotek Anbote Anbote Anbote   | Anbo Lek Abotek   | Anbote              |
| 6 Anb                | CONNECTION TO TELECOMMUNICATION NET   | WORKS   | N/A                 |
| 6.1 And              | Protection of telecommunication network service persons, and users of other equipment connected to the network, from hazards in the equipment | Anbotek | N/A                 |
| 6.1.1                | Protection from hazardous voltages  | Anbotek abotek  | N/A                 |
| 6.1.2                | Separation of the telecommunication network from earth  | tek Anbotek Anbotek   | N/A                 |
| 6.1.2.1              | Requirements  | Not connect to telecommunication networks                                       | N/A                 |
| Yun Vun              | Supply voltage (V)  | Anboten Anbo  | otek                |
| upoter P             | Current in the test circuit (mA):   | Anbotek Anbot An  | Yetou-              |
| 6.1.2.2              | Exclusions:   | nbotek Anbote   | N/A                 |
| nbotek               | Anbott Anbotek Anbotek Anbotek  | tek abotek Anbotes  | Ann                 |
| 6.2                  | Protection of equipment users from overvoltages of  | on telecommunication networks   | N/A                 |
| 6.2.1                | Separation requirements   | bore K Ant work Anbor   | N/A                 |
| 6.2.2                | Electric strength test procedure  | Ambores Ambo  | N/A                 |
| 6.2.2.1              | Impulse test  | Aupoten Aupo An   | N/A                 |
| 6.2.2.2              | Steady-state test   | stek supor  | N/A                 |



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| IEC 60950-1  | nbotek   |
|--|--|
| Requirement – Test Result - Remark                                 | Verdict  |
| Ante K notek Antons Antons Antons Antons                           | p.   |
| Compliance criteria  | N/A  |
| Protection of the telecommunication wiring system from overheating | N/A  |
| Max. Output current (A):   | rek -  |
| Current limiting method:   | wotek.   |
|  | Requirement – Test  Compliance criteria  Protection of the telecommunication wiring system from overheating  Max. Output current (A) |

| 7 nbotek   | CONNECTION TO CABLE DISTRIBUTION SYS  | TEMS                                     | N/A     |
|------------|---|--|---------|
| 7.1 Anbote | General   | Not connect to cable distribution system | N/A     |
| 7.2        | Protection of cable distribution system service persons, and users of other equipment connected to the system, from hazardous voltages in the equipment | Anbotek Anbotek Anb                      | kek N/A |
| 7.3        | Protection of equipment users from overvoltages on the cable distribution system  | ek Anbotek Anbotek                       | N/A     |
| 7.4 Anbote | Insulation between primary circuits and cable distribution systems  | botek Anbotek Anbotek                    | N/A     |
| 7.4.1      | General   | Anbotek Anbo tek abo                     | N/A N   |
| 7.4.2      | Voltage surge test  | Anbotek Anbour                           | N/A     |
| 7.4.3      | Impulse test  | abotek Anbote A                          | N/A     |

| A hotek   | ANNEX A, TESTS FOR RESISTANCE TO HEAT   | AND FIRE                    | N/A     |
|-----------|---|-----------------------------|---------|
| A.1       | Flammability test for fire enclosures of movable equipment having a total mass exceeding 18 kg, and of stationary equipment (see 4.7.3.2) | nbotek Anbotek Anbotek      | N/A     |
| A.1.1     | Samples   | Anbott An                   | poter   |
| Anbore K  | Wall thickness (mm):  | Anbote And And              | anbotek |
| A.1.2     | Conditioning of samples; temperature (°C):  | Anboten Anbo                | N/A     |
| A.1.3     | Mounting of samples   | tek Anbotek Anbo            | N/A     |
| A.1.4     | Test flame (see IEC 60695-11-3)   | tek abotek Anbote           | N/A     |
| sek abo   | Flame A, B, C or D  | housek Anbor                | - Yu,   |
| A.1.5     | Test procedure  | Anbou An hotek An           | N/A     |
| A.1.6     | Compliance criteria   | Anbore And otek             | N/A     |
| Anbole    | Sample 1 burning time (s)   | Anboten Anbo                | abotek  |
| Anboten   | Sample 2 burning time (s)   |                             | hote    |
| K Anbotek | Sample 3 burning time (s)   | tek nbotek Anbot            | K V     |
| A.2       | Flammability test for fire enclosures of movable eq not exceeding 18 kg, and for material and compon enclosures (see 4.7.3.2 and 4.7.3.4) | uipment having a total mass | N/A     |
| A.2.1     | Samples, material   | Ann tek abotek              |         |
| Anba      | Wall thickness (mm):  | Anbour K wotek              |         |



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| upor b   | IEC 60950-1   | Anbote K Ans Lotek          | nbotek  |
|----------|---|-----------------------------|---------|
| Clause   | Requirement – Test  | Result - Remark             | Verdict |
| A.2.2    | Conditioning of samples; temperature (°C):                  | ok Anhote Ann               | N/A     |
| A.2.3    | Mounting of samples ::                                      | potek Anbor An hote         | N/A     |
| A.2.4    | Test flame (see IEC 60695-11-4)                             | abotek Anbote And           | N/A     |
| botek P  | Flame A, B or C:  | hotek Anboten Anb           | -tek-   |
| A.2.5    | Test procedure  | Ant hotek Anbotek           | N/A     |
| A.2.6    | Compliance criteria   | And Otek Anbotek            | N/A     |
| And      | Sample 1 burning time (s):                                  | Anho tek abotek             | Pupon   |
| ALIPO    | Sample 2 burning time (s)                                   | otek Aupor Al.              | An      |
| Aupo     | Sample 3 burning time (s):                                  | nbotek Anbote Ant           | tek     |
| A.2.7    | Alternative test acc. To IEC 60695-11-5, cl. 5 and 9        | V U/O                       | N/A     |
| AUDO     | Sample 1 burning time (s):                                  | Aupor M. Potek              | Anboren |
| Anbot    | Sample 2 burning time (s):                                  | Anbore K And Lotek          | Anbote  |
| Anboth   | Sample 3 burning time (s):                                  | otek Anboien Anb            | - 0/2   |
| A.3 Anbo | Hot flaming oil test (see 4.6.2)                            | notek Anbotek Anbo          | N/A     |
| A.3.1    | Mounting of samples   | atek anbotek Anbe           | N/A     |
| A.3.2    | Test procedure  | And tek abotek A            | N/A     |
| A.3.3    | Compliance criterion  | Aupor As hotek              | N/A     |
| Anbo     | botek Anbote And stek Anbote                                | Anbou An hotek              | Anbote  |
| B Anbor  | ANNEX B, MOTOR TESTS UNDER ABNORMAL 5.3.2)                  | CONDITIONS (see 4.7.2.2 and | N/A     |
| B.1      | General requirements  | hbot K hotek Anbo           | N/A     |
| Dr. N    | Position:   | Inside enclosure            | potek   |
| nboto    | Manufacturer:   | (see appended table 1.5.1)  | abotek  |
| Anbotes  | Type  | (see appended table 1.5.1)  | hotel   |
| Anbotek  | Rated values ::   | (see appended table 1.5.1)  | No.     |
| B.2      | Test conditions   | tek shotek Anbotes          | N/A     |
| B.3      | Maximum temperatures  | both Anboth Anbot           | N/A     |
| B.4      | Running overload test                                       | Anboto Ant otek An          | N/A     |
| B.5      | Locked-rotor overload test                                  | Anbote Anb                  | N/A     |
| Anboten  | Test duration (days):                                       | Anbotek Anbo                | Porek   |
| Anbotek  | Electric strength test: test voltage (V):                   | ek nbotek Anbote            | b.0.    |
| B.6      | Running overload test for d.c. motors in secondary circuits | botek Anbotek Anbotek       | N/A     |
| B.6.1    | General   | anbotek Anbote Am           | N/A     |
| B.6.2    | Test procedure  | botek Anbotes An            | N/A     |
| B.6.3    | Alternative test procedure                                  | Ar. sek abotek              | N/A     |



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|             | IEC 60950-1  |                          |         |
|-------------|--|--------------------------|---------|
| Clause      | Requirement – Test   | Result - Remark          | Verdict |
| B.6.4       | Electric strength test; test voltage (V):                        | tek Pupoter Vulek        | N/A     |
| B.7         | Locked-rotor overload test for d.c. motors in secondary circuits | Botek Anbotek Anbote     | N/A     |
| B.7.1       | General  | Anbo tek abotek Anb      | N/A     |
| B.7.2       | Test procedure   | Anbo sek abotek          | N/A     |
| B.7.3       | Alternative test procedure                                       | Anbore All hotek         | N/A     |
| B.7.4       | Electric strength test; test voltage (V):                        | ek Anbote, And Stek      | N/A     |
| B.8 Anbotes | Test for motors with capacitors                                  | (see appended table 5.3) | N/A     |
| B.9 Anbo    | Test for three-phase motors                                      | (see appended table 5.3) | N/A     |
| B.10        | Test for series motors   | Anho Lek abotek Anb      | N/A     |
| NO.         | Operating voltage (V):   | Anbor An hotek A         | 1/poter |
| Aupor       | Motek Anborres Anborres Anborres                                 | Anbote Ans notek         | Anbotek |
| C Anbote    | ANNEX C, TRANSFORMERS (see 1.5.4 and 5.3.                        | 3) Anbote Anbotek        | N/A     |
| Anbots      | Position:  | otek Anboten Anbo        | - ~     |
| K Anbot     | Manufacturer:  | otek Anbotek Anbot       | ok -    |
| atek an     | Type:  | Anbe tek abotek Anbe     |         |
| *ek         | Rated values:  | Antios Al hotek Al       | poter-  |
| 'upor       | Method of protection:  | Anbore Ant wotek         | Anborek |
| C.1         | Overload test  | Anbotes Ano              | N/A     |
| C.2 Anbotan | Insulation   | otek Anbotek Anbo        | N/A     |
| Anbor       | Protection from displacement of windings:                        | otek Anbotek Anbote      | N/A     |
| tek ant     | oces Vingor VIII Notek Vindores                                  | Aribo tek abotek Anbo    | V. 1    |
| Dotek       | ANNEX D, MEASURING INSTRUMENTS FOR TO (see 5.1.4)                | OUCH-CURRENT TESTS       | N/A     |
| D.1botek    | Measuring instrument   | Anbotek Anbote           | N/A     |
| D.2         | Alternative measuring instrument                                 | ek hotek Anbotet         | N/A     |
| , hote      | K Anboten And rek spotek Anb                                     | K Anbotok                | Anb     |
| E'K KON     | ANNEX E, TEMPERATURE RISE OF A WINDING                           | G (see 1.4.13)           | N/A     |
| ter Pup     | tek hotel Anbott Ann   | Aupotok Aupo, W.         | potek   |
| Botek P     | ANNEX F, MEASUREMENT OF CLEARANCES A (see 2.10 and Annex G)      | AND CREEPAGE DISTANCES   | N/A     |
| G Anbotek   | ANNEX G, ALTERNATIVE METHOD FOR DETEI                            | RMINING MINIMUM          | N/A     |
| G.1         | Clearances   | Those K wotek Anbot      | N/A     |
| G.1.1       | General  | Anboten Anbo             | N/A     |
| G.1.2       | Summary of the procedure for determining minimum clearances      | Aupotek Aupotek          | N/A     |



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| Nek         | IEC 60950-1   | Am.  | upo.    |
|-------------|---|--|---------|
| Clause      | Requirement – Test  | Result - Remark  | Verdic  |
| O Okabote   | Determination of walls to the sign to the same of the | ok Anhoter And   | NIZA    |
| G.2         | Determination of mains transient voltage (V)  | otek Antotek Anbo  | N/A     |
| G.2.1       | AC mains supply   | stek anbotek Anbore  | N/A     |
| G.2.2       | Earthed d.c. mains supplies:  | Anbo A. abotek Anb   | N/A     |
| G.2.3       | Unearthed d.c. mains supplies:  | Aupore Mu  | N/A     |
| G.2.4       | Battery operation   | Aupore, Vunn   | N/A     |
| G.3 Anbotek | Determination of telecommunication network transient voltage (V):   | k Anbotek Anbo   | N/A     |
| G.4 And     | Determination of required withstand voltage (V)   | otek Anbo ak Anbotek   | N/A     |
| G.4.1       | Mains transients and internal repetitive peaks:   | botek Anbote Ant   | N/A     |
| G.4.2       | Transients from telecommunication networks:   | Anbotek Anbotek Anb.   | N/A     |
| G.4.3       | Combination of transients   | And otek anbotek A   | N/A     |
| G.4.4       | Transients from cable distribution systems  | Anbo tek abotek  | N/A     |
| G.5         | Measurement of transient voltages (V)   | Anbos ak hotek   | N/A     |
| Anbor       | a) Transients from a mains supply   | otek Anbore K Ans  | N/A     |
| K Anbore    | For an a.c. mains supply  | hotek Anboten Anb  | N/A     |
| otek Anb    | For a d.c. mains supply   | hotek Anbotek Anbo   | N/A     |
| Lotek D     | b) Transients from a telecommunication network  | And Stek Anbotek Ar  | N/A     |
| G.6         | Determination of minimum clearances:  | Anbo sek abotek  | N/A     |
| Anbo        | Botek Anbote, And stek shotel   | K Anbor All notek  | Anbot   |
| H Anbor     | ANNEX H, IONIZING RADIATION (see 4.3.13)  | otek Anbore And  | N/A     |
| Anbore      | And otek anbotek Anboo Ak   | notek Anboten Anbo   | ek      |
| iek anb     | ANNEX J, TABLE OF ELECTROCHEMICAL POTI  | ENTIALS (see 2.6.5.6)  | N/A     |
| tek         | Metal(s) used:  | Steel  | pore    |
| upo rak     | abotek Anbote Anti-   | Anbo ak hotek  | Anbote. |
| (Anbor      | ANNEX K, THERMAL CONTROLS (see 1.5.3 and  | 5.3.8)   | N/A     |
| K.1 Anbotek | Making and breaking capacity  | No thermostat and temperatrue limiter used for thermal control circuit | N/A     |
| <.2 And C   | Thermostat reliability; operating voltage (V):  | Potek Aupota Ann   | N/A     |
| K.3         | Thermostat endurance test; operating voltage (V)  | Anbotek Anbotek An   | N/A     |
| C.4         | Temperature limiter endurance; operating voltage (V)  | Aupotek Aupotek  | N/A     |
| <.5 hotek   | Thermal cut-out reliability   | An wotek Anbotek   | N/A     |
| <b>K</b> .6 | Stability of operation  | boto And tek abote   | N/A     |
| er Anbo     | tek abotek Anbote And Otek  | Anbotek Anbo. Al.  | otek    |
| potek An    | ANNEX L, NORMAL LOAD CONDITIONS FOR SOBUSINESS EQUIPMENT (see 1.2.2.1 and 4.5.2)  | OME TYPES OF ELECTRICAL  | N/A     |



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| L.1<br>L.2<br>L.3 | Requirement – Test  Typewriters  Adding machines and cash registers  Erasers   | Verdict<br>N/A<br>N/A |
|-------------------|--|-----------------------|
| L.2<br>L.3        | Adding machines and cash registers  Erasers  | -1-                   |
| L.3               | Adding machines and cash registers  Erasers  | N/A                   |
| LDV-              | Erasers Annual A |                       |
| LOA AN            | The Marie March William W. 18th Marie Mr.  | N/A                   |
|                   | Pencil sharpeners  | N/A                   |
| L.5°te*           | Duplicators and copy machines  | N/A                   |
| L.6               | Motor-operated files   | N/A                   |
| L.7 botek         | Other business equipment   | N/A                   |
| K Par             | Anbotek Anbo   | er An                 |
| M                 | ANNEX M, CRITERIA FOR TELEPHONE RINGING SIGNALS (see 2.3.1)  | N/A                   |
| M.1               | Introduction   | N/A                   |
| M.2               | Method A   | N/A                   |
| M.3               | Method B   | N/A                   |
| M.3.1             | Ringing signal   | N/A                   |
| M.3.1.1           | Frequency (Hz):  | _An                   |
| M.3.1.2           | Voltage (V):   | 30 es                 |
| M.3.1.3           | Cadence; time (s), voltage (V):  | Akbotek-              |
| M.3.1.4           | Single fault current (mA):   | nbotek                |
| M.3.2             | Tripping device and monitoring voltage:  | N/A                   |
| M.3.2.1           | Conditions for use of a tripping device or a monitoring voltage  | N/A                   |
| M.3.2.2           | Tripping device  | N/A                   |
| M.3.2.3           | Monitoring voltage (V):  | N/A                   |
| inbote.           | no kek abotek Anbotek Anbotek Anbotek Anbotek  | botek                 |
| NAnbotek          | ANNEX N, IMPULSE TEST GENERATORS (see 1.5.7.2, 1.5.7.3, 2.10.3.9, 6.2.2.1, 7.3.2, 7.4.3 and Clause G.5)  | N/A                   |
| N.1 Ando          | ITU-T impulse test generators  | N/A                   |
| N.2               | IEC 60065 impulse test generator   | N/A                   |
| YUP, VUP,         | Lok botek Anbote Anbotek Anbotek Anbotek Anbotek   | notek.                |
| Potek A           | ANNEX P, NORMATIVE REFERENCES  | 'u ofen               |
| abotek            | Anbore Anbotek Anbotek Anbotek Anbotek Anbotek   | And                   |
| Q botek           | ANNEX Q, Voltage dependent resistors (VDRs) (see 1.5.9.1)  | N/A                   |
| Ar. notek         | - Preferred climatic categories Considered   | N/A                   |
| Y Ans             | - Maximum continuous voltage:  | N/A                   |
| notek Anb.        | Body of the VDR Test according to IEC60695-11-   | N/A                   |
| Anbotek           | Body of the VDR. Flammability class of material (min V-1):   | N/A                   |



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|                     | IEC 60950-1   | Anbote And And             |                       |
|---------------------|---|----------------------------|-----------------------|
| Clause              | Requirement – Test  | Result - Remark            | Verdict               |
| Anbore              | Anbotek Anbotek Anbotek A   | nbotek Anbotek Anbotek     | Anbot                 |
| R Anbot             | ANNEX R, EXAMPLES OF REQUIREMENTS PROGRAMMES                                      | FOR QUALITY CONTROL        | N/A                   |
| R.1 <sup>K</sup> An | Minimum separation distances for unpopulated coated printed boards (see 2.10.6.2) | Anbotek Anbotek Anb        | N/A                   |
| R.2                 | Reduced clearances (see 2.10.3)   | stek Anbote And stek       | N/A                   |
| Anbote              | And otek Anbotek Anbot An   | hotek Anboten Anbo         | hote                  |
| S Anboten           | ANNEX S, PROCEDURE FOR IMPULSE TES  | TING (see 6.2.2.3)         | N/A                   |
| S.1 Anbote          | Test equipment  | An otek anbotek Anbot      | N/A                   |
| S.2                 | Test procedure  | anbo sek abotek Anbo       | N/A                   |
| S.3                 | Examples of waveforms during impulse testing                                      | Anbo. K. Botek             | N/A                   |
| Anbo                | Anbotek Anbote Anbotek Anbo   | tek Anbot An notek         | Anboten               |
| T Anbotek           | ANNEX T, GUIDANCE ON PROTECTION AGA (see 1.1.2)                                   | AINST INGRESS OF WATER     | N/A                   |
| k hote              | k Anbotes Anb   | Anboth Anbotek Anbotek     | Aup                   |
| U An                | ANNEX U, INSULATED WINDING WIRES FOI INSULATION (see 2.10.5.4)                    | R USE WITHOUT INTERLEAVED  | N/A                   |
| -boteK P            | abote And stek anbotek Anbot  | (see appended table 1.5.1) | ion ion               |
| hotek               | Anborek Anbo  | K Annotek Anbotek          | Anbo                  |
| V Am Jotek          | ANNEX V, AC POWER DISTRIBUTION SYST   | EMS (see 1.6.1)            | N/A                   |
| V.1 And stel        | Introduction  | Anbotek Anbo               | N/A                   |
| V.2                 | TN power distribution systems   | Albotek Anbo tek bo        | N/A »                 |
| otek Anb.           | tak potek Anbote And stak   | anbotek Anbo               | notek                 |
| Morek b             | ANNEX W, SUMMATION OF TOUCH CURRE   | NTS MOVE AND A             | N/A                   |
| W.1                 | Touch current from electronic circuits  | tel spotek Anbote          | N/A                   |
| W.1.1               | Floating circuits   | ok notek Anbotek           | N/A                   |
| W.1.2               | Earthed circuits  | Anbotek Anbotek            | N/A                   |
| W.2                 | Interconnection of several equipments   | Albota Anto stek anbot     | N/A                   |
| W.2.1               | Isolation   | Aupoten Aupo A.            | N/A                   |
| W.2.2               | Common return, isolated from earth  | Auporek Aupor Au           | N/A                   |
| W.2.3               | Common return, connected to protective earth                                      | otek Anbotek Anbot         | N/A                   |
| Anbotek             | Anbotek Anbotek Anboten Anb   | otek Anbotek Anbote        | PU. 20                |
| X Anbotek           | ANNEX X, MAXIMUM HEATING EFFECT IN T (see clause C.1)                             | TRANSFORMER TESTS          | N/A                   |
| X.1                 | Determination of maximum input current  | Anbote, Antro Pek          | o <sup>to N</sup> N/A |
|                     | PO. PO.   | 1 1 1                      | l                     |



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| Jpo.       | IEC 60950-1   | Anbotek     |
|------------|---|-------------|
| Clause     | Requirement – Test Result - Remark  | Verdict     |
| Y Ambora   | ANNEX Y, ULTRAVIOLET LIGHT CONDITIONING TEST (see 4.3.13.3)   | N/A         |
| Y.1        | Test apparatus  | N/A         |
| Y.2        | Mounting of test samples  | N/A         |
| Y.3        | Carbon-arc light-exposure apparatus:  | N/A         |
| Y.4        | Xenon-arc light exposure apparatus:   | N/A         |
| nbotek     | Anbote And Lotek Anbotek Anbot Anbotek Anbotek  | And         |
| Z abote    | ANNEX Z, OVERVOLTAGE CATEGORIES (see 2.10.3.2 and Clause G.2)   | N/A         |
| K N        | otek Anbotek Anbotek Anbotek Anbotek  | inpotel Ant |
| AA         | ANNEX AA, MANDREL TEST (see 2.10.5.8)   | N/A         |
| lote. b    | Tak Vipotek Vipotek Vipotek Vipotek Vipotek Vipotek   | abotek      |
| BB         | ANNEX BB, CHANGES IN THE SECOND EDITION   | k hotek     |
| Anbotek    | Anbo Anbotek Anboten Anbotek Anbotek Anbotek  | An mote     |
| CC Mpote   | ANNEX CC, Evaluation of integrated circuit (IC) current limiters  | N/A         |
| CC.1       | General   | N/A         |
| CC.2       | Test program 1:   | N/A         |
| CC.3       | Test program 2  | N/A         |
| 'upoge     | Man tek Opoley, Vupo, William Vupo, | botek       |
| DDnboten   | ANNEX DD, Requirements for the mounting means of rack-mounted equipme   | ent N/A     |
| DD.1       | General   | N/A         |
| DD.2       | Mechanical strength test, variable N:   | N/A         |
| DD.3       | Mechanical strength test, 250N, including end stops:  | N/A         |
| DD.4       | Compliance:   | N/A         |
| * Potek    | Anbote And Otek Anbotek Anbot An hotek Anbote   | And         |
| EEU.       | ANNEX EE, Household and home/office document/media shredders  | N/A         |
| EE.1400    | General   | N/A         |
| EE.2 Anbo  | Markings and instructions   | N/A         |
| tek Ar     | Use of markings or symbols  | N/A         |
| botek      | Information of user instructions, maintenance and/or servicing instructions:  | N/A         |
| EE.3       | Inadvertent reactivation test   | N/A         |
| EE.4nboten | Disconnection of power to hazardous moving parts:   | N/A         |
| Ame        | Use of markings or symbols:   | N/A         |
| ĒĒ.5       | Protection against hazardous moving parts   | N/A         |
| botek      | Test with test finger (Figure 2A)   | N/A         |
| rek        | Test with wedge probe (Figure EE1 and EE2):   | N/A         |



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| Pupoler | Ant otek Anbotel  | EN 60950-1     | Anbotek Anbo    | nbotek  |
|---------|-------------------|----------------|-----------------|---------|
| Clause  | Requirement – Tes | lek Aupore Au. | Result - Remark | Verdict |

#### ATTACHMENT TO TEST REPORT IEC 60950-1 EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

Information technology equipment - Safety -

Part 1: General requirements

Differences according to ...... EN 60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013

Attachment Form No..... EU\_GD\_IEC60950\_1E

Master Attachment ...... Date 2013-09

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EN 60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013 - CENELEC COMMON MODIFICATIONS

| Clause               | Requirement + Test   |  | F   | Result - Rema                          | ark                           | Verdict   |
|----------------------|--|--|---|--|-------------------------------|---|
| otek An              | Clauses, subclauses<br>IEC60950-1 and it's   |  |   | are additiona                          | al to those in                | botek   |
| Contents (A2:2013)   | Add the following an Annex ZA (normative Annex ZB (normative Annex ZD (informative Annex ZD (informative Annex ZD)   | e) No<br>pul<br>pul<br>e) Sp<br>ve) IEC  | rmative reference of the color | neir correspo                          | onding European               | Anbote<br>Anbote<br>Anb                                 |
| General              | Delete all the "count according to the followard for the followard |  | Note 2 & 3 Note Note Note 2 Note 2 Note 2 Note 3. Note 4 Note 3 & 4 Note 2  | 1.5.7.1<br>1.7.2.1<br>2.3.2<br>2.6.3.3 | Note<br>Note 4, 5 & 6<br>Note | Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek |
| General<br>(A1:2010) | Delete all the "count<br>1:2005/A1:2010) acc   | ry" notes in the recording to the follow | owing list:   | nent (IEC 609                          | 950-                          | otek P A  |
|                      | 1.5.7.1 <b>Note</b> 6.2.2.1 <b>Note</b> 2  | 6.1.2.1<br>EE.3                          | Note 2<br>Note  |  |                               | ootek   |



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| - V-  | TO TO THE TOTAL | 100°                                   |
|---|---|--|
| Clause  | Requirement – Test Result - Remark  | Verdict                                |
| anboter.  | And Lak potek Anbote Ant Jok Anbotek Anbo   | b.                                     |
| General<br>A2:2013)                             | Delete all the "country" notes in the reference document (IEC 60950-1:2005/A2:2013) according to the following list:  | ek n                                   |
| ak Anbote                                       | 2.7.1 Note * 2.10.3.1 Note 2<br>6.2.2. Note   | potek k.                               |
| oten Ani  | * Note of secretary: Text of Common Modification remains unchanged.   | anbotek                                |
| Anbolo  | The abotek Aupo, by Otek Aupote, Yun  | botek                                  |
| I.1.1<br>A1:2010)                               | Replace the text of NOTE 3 by the following.  NOTE 3 The requirements of EN 60065 may also be used to meet safety requirements for multimedia equipment. See IEC Guide 112, Guide on the safety of multimedia equipment. For television sets EN 60065 applies.  | 48                                     |
| 1.3.Z1  | Add the following subclause:  | N/A                                    |
| No.   | 1.3.Z1 Exposure to excessive sound pressure   | 20,00                                  |
| otek<br>Anbotek<br>Anbotek<br>Anbotek           | The apparatus shall be so designed and constructed as to present no danger when used for its intended purpose, either in normal operating conditions or under fault conditions, particularly providing protection against exposure to excessive sound pressures from headphones or earphones.   | Anbotek<br>Anbotek<br>Anbote<br>Anbote |
| Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek | NOTE Z1 A new method of measurement is described in EN 50332-1, Sound system equipment: Headphones and earphones associated with portable audio equipment - Maximum sound pressure level measurement methodology and limit considerations - Part 1: General method for "one package equipment", and in EN 50332-2, Sound system equipment: Headphones and earphones associated with portable audio equipment - Maximum sound pressure level measurement methodology and limit considerations - Part 2: Guidelines to associate sets with headphones coming from different manufacturers.  | clek Anbotek Anbote Anbote             |
| A12:2011)                                       | In EN 60950-1:2006/A12:2011   | N/A                                    |
| Anbotek A.                                      | Delete the addition of 1.3.Z1 / EN 60950-1:2006  Delete the definition of 1.2.3.Z1 / EN 60950- 1:2006/A1:2010   | Anbotek<br>Anbote                      |
| 1.5.1   | Add the following NOTE:   | N/A                                    |
| tek Anbotek                                     | NOTE Z1 The use of certain substances in electrical and electronic equipment is restricted within the EU: see Directive 2002/95/EC  | otek p                                 |
| Added info*)                                    | New Directive 2011/65/11 *  | abor                                   |
| I.7.2.1<br>A1:2010)                             | In addition, for a PORTABLE SOUND SYSTEM, the instructions shall include a warning that excessive sound pressure from earphones and   | N/A                                    |
| .7.2.1  | headphones can cause hearing loss.  | N/A                                    |
| A12:2011)                                       | In EN 60950-1:2006/A12:2011  Delete NOTE Z1 and the addition for Portable Sound System.   | IN/A                                   |
| otek An   | Add the following clause and annex to the existing standard and amendments.   | botek                                  |



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| Ipo. b | EN 60950-1   | Anbor An work         | nboten  |
|--------|--|-----------------------|---------|
| Clause | Requirement – Test   | Result - Remark       | Verdict |
| aboten | Anbot Anote Anote  | ok botek Anbo         | p.      |
|        | Zx.1 General   | notek nbotek          | N/A     |
|        | This sub-clause specifies requirements for   | potek Anbo An         | ek ant  |
|        | protection against excessive sound pressure from   | n tek nboten Anbe     | -V.     |
|        | personal music players that are closely coupled  | Anbot Air stek an     | poter   |
|        | to the ear. It also specifies requirements for   | h abotek Anbo         | - otek  |
|        | earphones and headphones intended for use will personal music players.   | U VII.                | Pupo    |
|        | 164  | Anbo A. Otek          | Vupote. |
|        | A personal music player is a portable equipment for personal use, that:  | stek abotek Anbo      | LOSE.   |
|        | 200  | otek Anbotes          | AUD     |
|        | is designed to allow the user to listen to recorded<br>or broadcast sound or video; and primarily users        |                       | day de  |
|        | headphones or earphones that can be worn in o  |                       | /c      |
|        | on or around the ear; and allows the user to wall  | No.                   | oter l  |
|        | around while in use.   | abotek Anbo           | -otek   |
|        | NOTE 1 Examples are hand-held or body-worn   | A. otek anboten       | AUD     |
|        | portable CD players, MP3 audio players, mobile   | Anbo K A Mek          | Anbore  |
|        | phones with MP3 type features, PDA's or similar equipment.   | otek aboten Anbo      | "otel   |
|        | 200  | atek Anbote           | AUD     |
|        | A personal music player and earphones or headphones intended to be used with personal                          | abotek Anbo K A. Ote  | K Anb   |
|        | music players shall comply with the requirement  | s tek upoten Anbo     | -V.     |
|        | of this sub-clause.  | Anbot Air Stek Anb    | crer b  |
|        | The requirements in this sub-clause are valid for  | abotek Anbo K         | Xete K  |
|        | musci or video mode only.  | Air otek anboten      | Mpo     |
|        | The requirements do not apply:   | Anbo                  | Anbote  |
|        | while the personal music player is connected to  | stek anboten Anbo     | "otel   |
|        | an external amplifier; or  | A stek Ambote         | And     |
|        | while the headphone or earphones are not used  | aboten Ande K hotel   | Anb     |
|        | NOTE 2 An external amplifier is an amplifier which is  | otek Anbote Anb       | No.     |
|        | not part of the personal music player or the listening   | Anbe K hotek Anb      | o. P    |
|        | device, but which is intended to play the music as a   | Anbote, Anb           | hotek   |
|        | standalone music player.   | Motek Anbote A        | W. FOK  |
|        | The requirements do not apply to:  | Anb. ok hotek         | Anboro  |
|        | hearing aid equipment and professional equipment;  | tel Anbote And        | botek   |
|        | NOTE 3 Professional equipment is equipment sold  | ok sotek Anbore       | Ville   |
|        | through special sale s channels. All products sold   | abote And Lek abotely | Anbo    |
|        | through normal electronics stores are considered not   | to hotek Anbore An    | 48K     |
|        | professional equipment.  | And Andrew Andrew     | b.      |
|        | analogue personal music players (personal mus  | C Anbote And          | potek   |
|        | players without any kind of digital processing of  | botek Anbort A        | TICK    |
|        | the sound signal) that are brought to the market   | An wek hotek          | Anbor   |
| Aupor  | before the end of 2015.  | lek Pubore Vur        | potek   |
|        | NOTE 4 This exemption has been allowed because   | ek spotek Anbore      | N/A     |
|        | this technology is falling out of use and it is expected that within a few years it will no longer exist. This | both And tek shotek   | Anbo    |
|        | exemption will not be extended to other technologies.  | hotek Anbott Ant      | Ke.K    |
|        | For equipment which is clearly designed or   | Anbo                  | P.      |
|        | intended for use by young children, the limits of  | anbore Ant            | botek.  |
|        | EN 71-1 apply.   | hotek Anbort Ar       | - tek   |
| 401    | Zx.2 Equipment requirements  | Pun -k -olek          | N/A     |



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| ofe.   | Thou work   | VIII          | _ +6k            | No.     |
|--------|---|---------------|------------------|---------|
| lause  | Requirement – Test                                  | k botek       | Result - Remark  | Verdict |
| abote. | And atek Anbor                                      | VII.          | ok hotek Anbo    | h       |
|        | No safety provision is required for e               | quipment that | Air lek botek    | Anbe    |
|        | complies with the following:                        |               | stek anbore And  | 36      |
|        | equipment provided as a package (                   | personal      | you were about   | Ve Vu   |
|        | music player with its listening device              |               | otek Aupor Air   | Nos     |
|        | acoustic output L <sub>Aeq,T</sub> , is ≤ 85 dBA n  | 5 DS 7        | And atek an      | porc    |
|        | while playing the fixed "programme                  |               | hotek Anbo       | 40K     |
|        | noise" as described in EN 50332-1;                  |               | Ant Sotek        | Dupo    |
|        | personal music player provided with                 |               | abore And        | botek   |
|        | electrical output socket for a listenin             |               | A. tek abote     | And     |
|        |   |               | ak Aupon Air     | 100     |
|        | where the electrical output is ≤ 27 r               |               | stek Auport      | VIII    |
|        | as described in EN 50332-2, while p                 |               | Notek Anbo       | 49      |
|        | fixed "programme simulation noise"                  | as described  | k hotek Anbo     | ber     |
|        | in EN 50332-1.                                      | *eK           | abote. And       | rek     |
|        | NOTE 1 Wherever the term acoustic ac                |               | An boten An      | 5*      |
|        | used in this clause, the 30 s A-weighted            | equipment     | Anbore Ans       | hotek   |
|        | sound pressure level L <sub>Aeq,T</sub> , is meant. |               | stek anbore      | BULL    |
|        | See also Zx.5 and Annex Zx.                         |               | Anbo A. A.       | abote   |
|        | All other equipment shall:                          |               | k sotek Anbor    | Dr.     |
|        | a) protect the user from unintention                |               | And              | Vupo,   |
|        | outputs exceeding those mentioned                   | above; and    | tek shoten Anbo  |         |
|        | b) have a standard acoustic output                  | evel not      | oote And ok both | AT AT   |
|        | exceeding those mentioned above,                    | and           | stek abote Ans   | .\.     |
|        | automatically return to an output lev               |               | kupo. Wi. tek    | ofer    |
|        | exceeding those mentioned above v                   |               | otek Anbor An    | You     |
|        | power is switched off; and                          | poter         | Ande             | Mpore   |
|        | c) provide a means to actively inform               | n the user of | hotek Anbo       | 10K     |
|        | the increased sound pressure when                   |               | Ans ok hotek     | Anbo    |
|        | equipment is operated with an acou                  |               | K abote. And     | - OV    |
|        |   |               | Ar. tek aboten   | Anbe    |
|        | exceeding those mentioned above.                    |               | stek Aupora Air  | . Y.    |
|        | used shall be acknowledged by the                   |               | stek anhore      | Visi    |
|        | activating a mode of operation whic                 |               | hotek Anbo       | Yek     |
|        | an acoustic output exceeding those                  |               | Anb Sk hotek Anb |         |
|        | above. The acknowledgement does                     |               | abole. And       | otek    |
|        | be repeated more than once every 2                  | 20 h of       | by spoter b      | YLO .   |
|        | cumulative listening time; and                      |               | Anbore All       | poter   |
|        | NOTE 2 Examples of means include vis                |               | otek anbore      | Ann     |
|        | signals. Action from the user is always r           |               | Aupo, W. Fek     | nbott.  |
|        | NOTE 3 The 20 h listening time is the a             |               | K Sotek Anbos    | bree    |
|        | listening time, independent how often a             |               | oter And K sotel | 6 Ant   |
|        | personal music player has been switched             |               | tek aboter And   | V.      |
|        | d) have a warning as specified in Zx                | (.3; and      | Whole Vi.        | ofer    |
|        | e) not exceed the following:                        | And           | stek Anbore An   | 40.     |
|        | 1) equipment provided as a package                  | 0.00          | Anbo             | apore   |
|        | Its listening device), the acoustic ou              |               | hotek Anbo       | *ek     |
|        | 100 dBA measured while playing the                  |               | And K botek      | Anbor   |
|        | "programme simulation noise" descri                 | ribed in EN   | s aboten And     | ote.    |
|        | 50332-1; and  |               | All tak shotek   | Anbo    |
|        | 2) a personal music player provided                 | with an       | rek Auport Aur   | 6       |
|        | analogue electrical output socket fo                | r a listening | tek abote        | And     |
|        | device, the electrical output shall be              | ≤ 150 mV      | notek Anbor Air  | 4014    |
|        | measured as described in EN 5033                    |               | nbc atek anbc    | b.      |
|        |   |               | boten Anbo Ar    | rek     |
|        | playing the fixed "programme simula                 | auon noise    | Vin K notek      | Upor    |
|        | described in EN 50332-1.                            | N. rok        | abote Anb        | rotek   |
|        | For music where the average sound                   | pressure      | Arr. notek       | Aupo    |
|        | (long term LAeq,T) measured over the                |               | anbote Ant       | "Ofel   |
|        | the song is lower than the average                  | aroduced by   | 16,              | 100     |



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| upotek Ani | EN 60950-1   | Anbotek Anbotek An    | ov otek  |
|------------|--|-----------------------|----------|
| Clause     | Requirement – Test   | Result - Remark       | Verdict  |
| hotek      | Anbore Ann tek aborek Anbo   | Lek Mote              | Pun      |
| Dun        | the programme simulation noise, the warning                            | And                   | Vupos    |
| . abote.   | does not need to be given as long as the average                       | tek spoter Anbo       | · ·      |
| by.        | sound pressure of the song is below the basic                          | por Am                | W AUD    |
| Kek Wupor  | limit of 85 dBA. In this case T becomes the                            | atek Anbore And       | 40.      |
| V          | duration of the song.  | Anbo Antok ant        | ore. b   |
| poter Ani  | NOTE 4 Classical music typically has an average                        | botek Anbu            | rek      |
| rek        | sound pressure (long term LAeq,T) which is much lower                  | Arr botek             | upo      |
| Anbos      | than the average programme simulation noise.                           | Aupore Arra           | botek    |
| wotek      | Therefore, if the player is capable to analyse the song                | v stek anbore         | Alle     |
| AND        | and compare it with the programme simulation noise,                    | ar Anbo K. Stek       | apole    |
| aboten     | the warning does not need to be given as long as the                   | ok hotek Anbo         | P.       |
| br.        | average sound pressure of the song is below the basic limit of 85 dBA. | sore Ann ak note      | Anbe     |
| lek Wupor  | For example, if the player is set with the programme                   | stek supore And       | 40.      |
| V          | simulation noise to 85 dBA, but the average music                      | Anbo A. Stek Sub      | Ofer. V. |
| poter And  | level of the song is only 65 dBA, there is no need to                  | hotek Anbo            | -tek     |
| 404        | give a warning or ask an acknowledgement as long as                    | Ann Hotek             | Upo      |
| anbor      | the average sound level of the song is not above the                   | anbote And            | Notok    |
| Nore       | basic limit of 85 dBA.   | rek abote             | ATTO     |
| AMP        | Zx.3 Warning   | k Aupo A. Stek        | N/A      |
| aboten     | The warning shall be placed on the equipment, or                       | ak hotek Anbo         | ber      |
| VII.       | on the packaging, or in the instruction manual                         | ote, Aug K Potel      | Anbo     |
| ek vupore  | and shall consist of the following:                                    | stek above And        | -14      |
| V          | the symbol of Figure 1 with a minimum height of 5                      | Anbor Ar tek nb       | re. Vi   |
| poten Anb  | mm; and the following wording, or similar:                             | notek Anbor Ar        | Nor      |
| No.Y       | "To prevent possible hearing damage, do not                            | Ans ak botek A        | 100      |
| Anbore P   | listen at high volume levels for long periods."                        | And And               | hosek    |
| V. Clek    | Anbore   | Al. sek               | And      |
| Anbo       | nek A note   | k Aupor Ar tek        | nhoter   |
| poter      | Anb  | ok hotek Anbo         | be.      |
| All        | hote / tek nb  | ote And K Sotek       | Anbo     |
| ok anboto  |  | stek supote And       | . ×      |
| Y          | tok tup (C) (  | upo, by               | re. Vu   |
| oter Aup.  | /////  | hotek Anbo            | Nor      |
| NO.        | boten A / U \ mbote  | Ant hotek A           | po       |
| Aupor A    | nek atek   | Anbore And            | potek    |
| "Otek      | Anbote Anbo  | riek supore           | Anu      |
| And        | Figure 1 – Warning label (IEC 60417-6044)                              | Anbo A. stek          | "upole.  |
| Spore      | Alternatively, the entire warning may be given                         | ok boten Anbo         | la.      |
| A. tok     | through the equipment display during use, when                         | All All botch         | Anbo     |
| K AUPO     | the user is asked to acknowledge activation of the                     | rotek Anbore An       | 1. 40    |
| -W WD      | higher level.  | ypo h who h           | Vu.      |
| ote, Aug.  | Zx.4 Requirements for listening devices (headp                         | phones and earphones) | Nek-     |
| rek        | Zx.4.1 Wired listening devices with analogue                           | All boten Ar          | N/A      |
| Aupo, W.   | input Andrew   | Aupore Air            | Polek    |
| hotek      | With 94 dBA sound pressure output LAeq,T, the                          | otek anbote           | ALL      |
| AND        | input voltage of the fixed "programme simulation                       | Anbo A. Stek          | apole    |
| aboten     | noise" described in EN 50332-2 shall be $\geq$ 75 mV.                  | ak botek Anbo         | hr.      |
| Al.        | This requirement is applicable in any mode where                       | An ok hotek           | Anbor    |
| k anbore   | the headphones can operate (active or passive),                        | otek Anbote Ant       | . 4      |
| v          | including any available setting (for example built-                    | to a tek abot         | VU,      |
| oter Anbo  | in volume level control).  | hotek Anbo Air        | 401      |
| 404        | ooten Anbo A otek anboten  | Any ok notek An       | 000      |
| upor An    | NOTE The values of 94 dBA – 75 mV correspond with 85dBA                | anbote. And           | notek    |
| Yarak      | - 27 mV and 100 dBA - 150 mV.  | bi.                   | NI/A W   |
| Anbo       | Zx.4.2 Wired listening devices with digital                            | Aupo. W.              | N/A      |
| Major.     | input Ambout Ambout  | March Mapor           | br.      |



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| V        | EN 60950-1  | And               | apole   |
|----------|---|-------------------|---------|
| Clause   | Requirement – Test  | Result - Remark   | Verdict |
| aboter   | Anbot Anbote Ant  | ak hotek Anbo.    | Pr.     |
|          | With any playing device playing the fixed                     | All Lek Shotek    | Anbo    |
|          | "programme simulation noise" described in EN                  | otek Anbore Ann   | × 1     |
|          | 50332-1 (and respecting the digital interface                 | not have about    | Vu.     |
|          | standards, where a digital interface standard                 | hotek Anbo        | Yek     |
|          | exists that specifies the equivalent acoustic level)          | , And K hotek Ani | 1000    |
|          | the acoustic output LAeq,T of the listening device            | abote And         | rotek   |
|          | shall be ≤ 100 dBA.   | Ar. tek aboter    | PUD.    |
|          | This requirement is applicable in any mode where              | Anbor Air         | aboten  |
|          | the headphones can operate, including any                     | K Stek Anbore     | DI.     |
|          | available setting (for example built-in volume leve           | Anbe              | Vupos.  |
|          | control, additional sound feature like equalization,          |                   | W.      |
|          | etc.).  | abote And K hote  | anh     |
|          | Cto.). And hotek Ambo   | tek abote. And    | ٧.      |
|          | NOTE An example of a wired listening device with digital inpu | + Aupor Air       | ooten   |
|          | is a USB headphone.   | atek Anbore An    | 40.     |
| V-       | Zx.4.3 Wireless listening devices                             | Anso              | N/A     |
|          | In wireless mode:   | hotek Anbo        | rek     |
|          | with any playing and transmitting device playing              | Ans ok solek      | Anbos   |
|          | the fixed programme simulation noise described                | sek abote. And    | ote     |
|          |   | Ar. rek spoter    | Anbo    |
|          | in EN 50332-1; and  | otek Anbore Am    |         |
|          | respecting the wireless transmission standards,               | itek hoore        | Ann     |
|          | where an air interface standard exists that                   | hotek Anbo        | ·ek     |
|          | specifies the equivalent acoustic level; and with             | And K Sotek And   | b b     |
|          | volume and sound settings in the listening device             | abote. And        | rotek   |
|          | (for example built-in volume level control,                   | All tok boten     | TAPO    |
|          | additional sound feature like equalization, etc.)             | Anbore Ant        | hotek   |
|          | set to the combination of positions that maximize             | K. Tek abote      | Ant     |
|          | the measured acoustic output for the                          | ek Anbo. Ar.      | abote   |
|          | abovementioned programme simulation noise,                    | k sotek Anbore    | D.      |
|          | the acoustic output LAeq,T of the listening device            | boten And         | K ND    |
| ak abote | shall be ≤ 100 dBA. NOTE An example of a wireless             |                   | 1       |
|          | listening device is a Bluetooth headphone.                    | Auport Air        | o'en A  |
| otek Anb | Zx.5 Measurement methods                                      | stek subort An    | N/A     |
|          | Measurements shall be made in accordance with                 | Anbo              | apore   |
|          | EN 50332-1 or EN 50332-2 as applicable.                       | notek Anbo        | * eK    |
|          | Unless stated otherwise, the time interval T shall            | And               | Aupor   |
|          | be 30 s.  | ek aboten And     | , otek  |
|          | DC 30 3.3. And  | Al. tek shoten    | Anbe    |
|          | NOTE Test method for wireless equipment provided without      | stek Anbore An    | 6 000   |
|          | listening device should be defined.                           | stek supore       | Ville   |
| 2.7.1    | Replace the subclause as follows:                             | botes And         | N/A     |
|          |   | And boten And     | , P     |
|          | Basic requirements  | Anbore And        | Potek   |
|          | To protect against excessive current, short-                  | nek abote A       | U.      |
|          | circuits and earth faults in PRIMARY CIRCUITS,                | Aupo. W.          | aboter  |
|          | protective devices shall be included either as                | w hotek Anbore    | All     |
|          | integral parts of the equipment or as parts of the            | And               | vupoto. |
|          | building installation, subject to the following, a), b        | lek hotek Anbo    | p.      |
|          | and c):   | You Yun ak "otek  | Anbo    |
|          | te.   | rek abote And     | 14      |
|          | a) except as detailed in b) and c), protective                | Allbo All Pok Po  | Yer AL  |
|          | devices necessary to comply with the                          | otek Anbore Ans   | You     |
|          | requirements of 5.3 shall be included as parts of             | Anbe A. tek       | pore    |
|          | the equipment;  | hotek Anbor Al    | *eK     |
|          | b) for components in series with the mains input              | And               | hpor    |
|          | , input   | 101               | , V     |
|          | to the equipment such as the supply cord,                     | K "00" "          | - F G 2 |



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| abotek An                | EN 60950-1   | hotek Anboten Ant               | rek              |
|--------------------------|--|---------------------------------|------------------|
| Clause                   | Requirement – Test   | Result - Remark                 | Verdict          |
| Signate Coler            | Annote Annote Annote   | Today Anbotek                   | Publicator       |
| Anbotek                  | circuit and earth fault protection may be provided by protective devices in the building installation;   | otek Anbotek Anbotek            | K Anbore         |
| tek Anboli<br>abotek Ani | c) it is permitted for PLUGGABLE EQUIPMENT<br>TYPE B or PERMANENTLY CONNECTED<br>EQUIPMENT, to rely on dedicated overcurrent<br>and short-circuit protection in the building                           | Anbotek Anbotek Anbotek Anbotek | N/A              |
| Anbotek<br>Anbotek       | installation, provided that the means of protection, e.g. fuses or circuit breakers, is fully specified in the installation instructions.  | Anbotek Anbotek                 | Anbotek          |
| lek Anboten              | If reliance is placed on protection in the building installation, the installation instructions shall so state, except that for PLUGGABLE EQUIPMENT TYPE A the building installation shall be regarded | otek Anbotek Anbotek            | tek Anbo         |
| botek Anb                | as providing protection in accordance with the rating of the wall socket outlet.   | Anbotek Anbotek An              | nbotek           |
| 2.7.2                    | This subclause has been declared 'void'.   | Anv stek spotek                 | N/A              |
| 3.2.3                    | Delete the NOTE in Table 3A, and delete also in this table the conduit sizes in parentheses.   | k Anbotek Anbotek               | N/A              |
| 3.2.5.1                  | Replace "60245 IEC 53" by "H05 RR-F";<br>"60227 IEC 52" by "H03 VV-F or<br>H03 VVH2-F";<br>"60227 IEC 53" by "H05 VV-F or  | Anbotek Anbotek Anbotek         | N/A              |
| Anbotek P                | H05 VVH2-F2".  | Anbotek Anbotek A               | horpotek         |
| Anbotek<br>Anbotek       | following:  Up to and including 6   0,75 a)    Over 6 up to and including 10   (0,75) b) 1,0    Over 10 up to and including 16   (1,0) c) 1,5  | otek Anbotek Anbotek            | Anbotek<br>Anbot |
| potek Anbe               | In the conditions applicable to Table 3B delete the words "in some countries" in condition <sup>a)</sup> .  In NOTE 1, applicable to Table 3B, delete the second sentence.                             | Anbotek Anbotek Anbotek Anbo    | ootek An         |
| 3.3.4                    | In Table 3D, delete the fourth line: conductor sizes for 10 to 13 A, and replace with the following:   | Jek Anbotek Anbotek             | N/A              |
| k Anbotek                | Over 10 up to and including 16   1,5 to 2,5   1,5 to 4   | abotek Anbotek Anbotek          | ek Ant           |
| 4.3.13.6                 | Delete the fifth line: conductor sizes for 13 to 16 A  | Anboten Anbo                    | N/A              |
| (A1:2010)                | Replace the existing NOTE by the following: NOTE Z1 Attention is drawn to: 1999/519/EC: Council Recommendation on the  | Anbotek Anbotek Anbotek         | Anbotek          |
| Anbotek                  | limitation of exposure of the general public to electromagnetic fields 0 Hz to 300 GHz, and  | tek Anbotek Anboten             | Anbote           |
| otek Anbore              | 2006/25/EC: Directive on the minimum health and safety requirements regarding the exposure of workers to risks arising from physical agents (artifical optical radiation).                             | Anbotek Anbotek Anbotek Anbot   | lotek Ant        |
| 'upo tek                 | Standards taking into account mentioned Recommendation and Directive which   | Anbotek Anbotek                 | N/A              |



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| pore. Ar     | EN 60950-1   | k Anboten Anbo tek  | nbotek  |
|--------------|--|---|---------|
| Clause       | Requirement – Test   | Result - Remark   | Verdict |
| botek        | Anbote And And   | ok hotek Anbou  | bre.    |
| Anbotek      | demonstrate compliance with the applicable EU Directive are indicated in the OJEC.   | otek Anbotek Anbotek  | Anbo.   |
| Annex H      | Replace the last paragraph of this annex by: At any point 10 cm from the surface of the OPERATOR ACCESS AREA, the dose rate sh not exceed 1 µSv/h (0,1 mR/h) (see NOTE). Account is taken of the background level. Replace the notes as follows: NOTE These values appear in Directive 96/29/Euratom. Delete NOTE 2. | nall  Anbotek  Anbotek | N/A     |
| Bibliography | Additional EN standards.   | Anborr And Stek   | poter - |

| ZA    | NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH |  |
|-------|---|--|
| hotek | THEIR CORRESPONDING EUROPEAN PUBLICATIONS               |  |

| 1.1 ZB ANNEX (normative)  1.2 SPECIAL NATIONAL CONDITIONS (EN) |   |  |                                    |  |
|--|---|--|------------------------------------|--|
| Clause   | Requirement + Test  | Result - Remark  | Verdict                            |  |
| 1.2.4.1  | In <b>Denmark</b> , certain types of Class I appliances (see 3.2.1.1) may be provided with a plug not establishing earthing conditions when inserted into Danish socket-outlets.  | otek Anbotek Anbotek   | An N/A                             |  |
| 1.2.13.14  | In <b>Norway</b> and <b>Sweden</b> , for requirements see 1.7.2.1 and 7.3 of this annex.  | abotek Anbote Anb  | N/A                                |  |
| Anbotek  | In <b>Finland, Norway</b> and <b>Sweden</b> , resistors bridging BASIC INSULATION in CLASS I PLUGGABLE EQUIPMENT TYPE A must comply with the requirements in 1.5.7.1. In addition when a single resistor is used, the resistor must withstand the resistor test in 1.5.7.2.   | Anbotek Anbotek Ar<br>Anbotek Anbotek Ar<br>Anbotek Anbotek  | Anbotek<br>Anbotek                 |  |
| 1.5.8  | In <b>Norway</b> , due to the IT power system used (see annex V, Figure V.7), capacitors are required to be rated for the applicable line-to-line voltage (230 V).  | nbotek Anbotek Anbotek   | N/A                                |  |
| 1.5.9.4  | In <b>Finland</b> , <b>Norway</b> and <b>Sweden</b> , the third dashed sentence is applicable only to equipment as defined in 6.1.2.2 of this annex.  | Anbotek Anbotek An   | N/A                                |  |
| 1.7.2.1 Anbotek Anbotek Anbotek Anbotek                        | In <b>Finland</b> , <b>Norway</b> and <b>Sweden</b> , CLASS I PLUGGABLE EQUIPMENT TYPE A intended for connection to other equipment or a network shall, if safety relies on connection to protective earth or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment must be connected to an earthed mains socket-outlet. | lek Anbotek Anbotek  Anbotek Anbotek  Anbotek Anbotek  Anbotek Anbotek  Anbotek Anbotek  Anbotek Anbotek | N/A Anbore  Anbore  Anbore  Anbore |  |
| Anbotek  | The marking text in the applicable countries shall be as follows:   | Anbotek Anbotek  | Anbotek                            |  |



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| EN 60950-1 |  |   |   |                         |  |  |  |
|------------|--|---|---|-------------------------|--|--|--|
| Clause     | Requirement – Test   | Anbore Ans  | Result - Remark                               | Verdict                 |  |  |  |
| boten      | Anbo   | Anbore An   | K potek                                       | Aupo. A.                |  |  |  |
|            | In <b>Finland</b> : "Laite on liitett varustettuun pistorasiaan"   |   | lla o kan | Anbotek Anbo            |  |  |  |
|            | In <b>Norway</b> : "Apparatet må stikkontakt"  | tilkoples jordet  | Anbotek Anbotek                               | Anbor An                |  |  |  |
|            | In <b>Sweden</b> : "Apparaten sk<br>uttag"   | kall anslutas till jorda  | Anbotek Anbot                                 | potek Anbotek           |  |  |  |
| 1.7.2.1    | In <b>Norway</b> and <b>Sweden</b> , to distribution system is norm entrance of the building ar            | nally not earthed at t  | the   | Anbotek Anbot           |  |  |  |
| A11:2009)  | equipotential bonding syst<br>Therefore the protective e<br>installation need to be isol                   | arthing of the building   | ng Lotek Anboro                               | Anbotek Anh             |  |  |  |
|            | a cable distribution system It is however accepted to  |   | n Anboten Anbo                                | otek Anbotek            |  |  |  |
|            | external to the equipment interconnection cable with may be provided by e.g. a                             | by an adapter or an galvanic isolator, w                            | otek Anbo                                     | Anbotek Anbotek Anbotek |  |  |  |
|            | The user manual shall the similar information in Norv language respectively, de country the equipment is i | vegian and Swedish<br>pending on in what                            | Antotek Anbotek                               | k Anbotek Ant           |  |  |  |
|            | "Equipment connected to of the building installation connection or through other                           | the protective earthi   | Y 20,   | otek Anbotek            |  |  |  |
|            | connection to protective edistribution system using a some circumstances creates                           | arthing – and to a ca<br>coaxial cable, may ir<br>te a fire hazard. | nbotek Anbotek                                | Anbotek Anbote          |  |  |  |
|            | Connection to a cable dist<br>therefore to be provided the<br>providing electrical isolation               | nrough a device<br>on below a certain                               | Anbotek Anbotek                               | k Anbolek               |  |  |  |
|            | frequency range (galvanic 60728-11)."  | isolator, see EN  | tek abotek Anbr                               | ster Aribo              |  |  |  |



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| Upo.       | A. anhote.   | EN 60950-1   | Aupor Ar.                                    | apoter        |
|------------|--|--|--|---------------|
| Clause     | Requirement – Test   | Anbore An notek  | Result - Remark                              | Verdict       |
| poter      | Anbo   | Anbore And   | ck botek Anbo                                | ber.          |
|            | NOTE In Norway, due to re cable distribution systems, isolator shall provide electri. The insulation shall withsta 1,5 kV r.m.s., 50 Hz or 60 Hz | and in Sweden, a galvanic ical insulation below 5 MHz. nd a dielectric strength of | Anbotek Anbotek Anbotek Anbotek Anbotek      | N/A           |
|            | Translation to Norwegiar also be accepted in Norw  |  | Anbotek Anbotek                              | Ambotek       |
|            |  | net jordtilkoplet utstyr –<br>V nett, kan forårsake                                | otek Anbotek Anbotek  Anbotek Anbotek Anbote | Anbote Anbote |
|            | nettet."  Translation to Swedish:  | Anbotek Anbote   | Anbotek Anbotek                              | Anbounotek    |
|            | "Utrustning som är koppl   | 1  | Anbotek Anbote                               | Ansabotek     |
|            | jordat vägguttag och/elle<br>och samtidigt är kopplad<br>vissa fall medföra risk för   | till kabel-TV nät kan i  | k Anbotek Anbote                             | k Anbot       |
|            | detta skall vid anslutning kabel-TV nät galvanisk is   | solator finnas mellan  | otek Anbotek Anb                             | otek An       |
|            | utrustningen och kabel-T   |  | Yup K Katek                                  | nbolo         |
| 1.7.2.1    | In <b>Denmark</b> , CLASS I P  |  | Anbote And                                   | N/A           |
| A2:2013)   | EQUIPMENT TYPE A in  |  | A. Stek Anbore                               | AME           |
|            |  | work shall, if safety relies   | Anbo A. A. A.                                | "hole.        |
|            | on connection to protecti  |  | K hotek Anbo                                 | br.           |
|            |  | ted between the network  | And ak hotel                                 | Anbor         |
|            | terminals and accessible   |  | tek abote. And                               | , V           |
|            | stating that the equipmen  |  | A. sek np                                    | oter. An      |
|            | an earthed mains socket  |  | botek Anbo                                   | Yek           |
|            |  | mark shall be as follows:  | Arra Botek A                                 | 'upo          |
|            | In <b>Denmark</b> : "Apparatets  |  | Anbore And                                   | potek         |
|            | en stikkontakt med jord,   | som giver forbilidelse til   | otek Anbore                                  | Arr           |
| 1.7.5      | stikproppens jord."  | Air. Sporer  | Andrew                                       | N/A           |
| I.V. Sofe. | 1  | ets for providing power to   | Andotek Ando                                 | IN/A          |
|            | other equipment shall be   |  | All tak aboter                               | Anbo          |
|            | Heavy Current Regulation   |  | tek Anbore And                               | Ye Yes        |
|            |  | i, DK 1-5a or DK 1-7a,   | K sotek Anbe                                 | Vu.           |
|            | when used on Class I ed  |  | boten And                                    | wolek .       |
|            | 101  | ENT the socket-outlet<br>vith Standard Sheet DK 1-                                 | Anbotek Anboten A                            | nbotek        |
|            | 1b or DK 1-5a.   |  | notek Anbore                                 | All           |
|            | For <b>CLASS II EQUIPMENT</b> the in accordance with Stand   |  | Anbotek Anbotek                              | Anbore        |



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| 100. b             | otek Anbote. A   | EN 60950-1  | Anbore An              | tek abotek    |
|--------------------|--|---|------------------------|---------------|
| Clause             | Requirement – Test   | Aupor Al. Motek   | Result - Remark        | Verdi         |
| aboten             | Anbo   | Anbore And  | ok potek               | Anbo          |
| 1.7.5<br>(A2:2013) | In <b>Denmark</b> , socket-outlet other equipment shall be in DS 60884-2-D1:2011.                                    |   | potek Anbotek          | Anbotek N/A   |
|                    | For class I equipment the Sheets are applicable: DK DK 1-1d, DK 1-5a or DK 1 for STATIONARY EQUIPMENT.               | 1-3a, DK 1-1c,<br>-7a, with the exception<br>MENT where the | Anbotek Anbotek Anbote | otek Anbotek  |
|                    | socket-outlets shall be in a Standard Sheet DK 1-1b, DK 1-5a.  |   | Botek Anbotek          | Anbotek Ant   |
|                    | Socket outlets intended fo<br>Class II apparatus with a r<br>shall be in accordance with<br>standard sheet DKA 1-4a. | ated current of 2,5 A<br>h DS 60884-2-D1                    | Anbotek Anbote         | k Anbotek     |
|                    | socket outlets shall be in on DS 60884-2-D1 Standard DKA 1-3b.   |   | ek Anbotek An          | nbotek Anbote |
| k Aupo             | Justification the Heavy Current Regula   |   | botek Anbotek          | Anboter A     |
| 2.2.4              | In <b>Norway</b> , for requirement and 6.1.2.2 of this annex.  | nts see 1.7.2.1, 6.1.2.1                                    | Anbotek Anbote         | N/A           |
| 2.3.2              | In <b>Finland</b> , <b>Norway</b> and <b>S</b> additional requirements fo 6.1.2.1 and 6.1.2.2 of this                | r the insulation. See                                       | Anbotek Anbo           | N/A           |
| 2.3.4              | In <b>Norway</b> , for requirement and 6.1.2.2 of this annex.  |   | otek Anbotek           | N/A           |
| 2.6.3.3            | In the <b>United Kingdom</b> , the circuit shall be taken as 13  |   | abotek Anbotek         | N/A           |
| 2,7.1 An           | In the <b>United Kingdom</b> , to excessive currents and she PRIMARY CIRCUIT of DIF                                  | ort-circuits in the<br>RECT PLUG-IN                         | Anbotek Anbote         | VA WALDONE WA |
|                    | EQUIPMENT, tests accord conducted, using an externated 30 A or 32 A. If these  | nal protective device<br>e tests fail, suitable             | Anbotek Ar             | Anbotek Anbo  |
| Anbote             | protective devices shall be parts of the DIRECT PLUC that the requirements of 5.                                     | G-IN EQUIPMENT, so<br>.3 are met.                           | oter Anbotek           | Anbotek Ar    |
| 2.10.5.13          | In <b>Finland</b> , <b>Norway</b> and <b>S</b> additional requirements fo 6.1.2.1 and 6.1.2.2 of this                | r the insulation, see                                       | Anbotek Anbote         | N/A           |



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| nbo   | notek Anbote And EN   | N 60950-1   | ek aboter   |
|---|---|---|---|
| Clause  | Requirement – Test  | Result - Remark   | Verdict   |
| boten   | Anbot Anbote  | And ak hotek Ant  | DO. 10  |
| 3.2.1.1  Anbotek  Anbotek  Anbotek  Anbotek  Anbotek  Anbotek  Anbotek  Anbotek | In <b>Switzerland</b> , supply cords of equal having a RATED CURRENT not exceed shall be provided with a plug comply 1011 or IEC 60884-1 and one of the dimension sheets:  SEV 6532-2.1991 Plug Type 1 3P+N+PE 250/400 V, 10 A  SEV 6533-2.1991 Plug Type 1 250 V, 10 A  SEV 6534-2.1991 Plug Type 1 L+N+PE 250 V, 10 A  In general, EN 60309 applies for plucurrents exceeding 10 A. However, and socket-outlet system is being in Switzerland, the plugs of which are a | ceeding 10 A ying with SEV e following  15  1 L+N  12  13  15  16 A plug troduced in according to         | Anbotek |
|   | the following dimension sheets, pub<br>February 1998:<br>SEV 5932-2.1998: Plug Type 25, 3l<br>230/400 V, 16 A<br>SEV 5933-2.1998: Plug Type 21, L+<br>SEV 5934-2.1998: Plug Type 23, L+   | L+N+PE<br>N, 250 V, 16A   | Anbotek  Anbotek  Anbotek  Anbotek  Anbotek                                     |
| 3.2.1.1  Anbotek Anbotek Anbotek Anbotek  | In <b>Denmark</b> , supply cords of single-equipment having a rated current not exceeding 13 A shall be provided with according to the Heavy Current Reg Section 107-2-D1.  CLASS I EQUIPMENT provided with outlets with earth contacts or which to be used in locations where protect indirect contact is required according rules shall be provided with a plug ir with standard sheet DK 2-1a or DK 2  | of the apply the property of the property of the property of the property of the wiring a coordance 2-5a. | nbotek N/A Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek              |
| otek Anbotek  | If poly-phase equipment and single-equipment having a RATED CURRE exceeding 13 A is provided with a swith a plug, this plug shall be in according the Heavy Current Regulations, Second EN 60309-2.   | ENT upply cord ordance with   | Anbotok Ar<br>Anbotok Ar<br>Anbotok   |



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| a otek    | Apolo An ak wolch                                 | 1020 - 10k ~00to  | F07           |
|-----------|---|-------------------|---------------|
| Clause    | Requirement – Test                                | Result - Remark   | Verdict       |
| abote.    | And wotek anbor                                   | Arr. ok poter And | - P           |
| 3.2.1.1   | In <b>Denmark</b> , supply cords of single-phase  |                   | N/A           |
| (A2:2013) | equipment having a rated current not exce         |                   | Mr. You       |
|           | 13 A shall be provided with a plug accord         | ng to             | Aupor Au      |
|           | DS 60884-2-D1.                                    | tek aboten Anbo   | tek           |
| Yek       | CLASS I EQUIPMENT provided with sock              | 401               | Anb           |
|           | outlets with earth contacts or which are in       | 0'                | k botek       |
|           | to be used in locations where protection a        |                   | bur           |
|           | indirect contact is required according to the     | AU - 1            | stek anbore   |
|           | rules shall be provided with a plug in acco       | rdance            | , P           |
|           | with standard sheet DK 2-1a or DK 2-5a.           | Anbor All         | spotek Anbe   |
|           | Anbotek Anbo                                      | otek Anbore A     | in all        |
|           | If a single-phase equipment having a RAT          |                   | Vupose Vu     |
|           | CURRENT exceeding 13 A or if a poly-ph            |                   | Yek.          |
|           | equipment is provided with a supply cord          |                   | Anb           |
|           | plug, this plug shall be in accordance with       | the               | hotek         |
|           | standard sheets DK 6-1a in DS 60884-2-I           | D1 or             | AUG           |
|           | EN 60309-2.                                       | hotek Anbo        | tek abote.    |
|           | And Andore  | Ann Anbo          | P. C          |
|           | Justification                                     | anboto Ant        | notek Anbor   |
| Anbore    | the Heavy Current Regulations, 6c                 | atek abote Al     | // ·          |
| 3.2.1.1   | In <b>Spain</b> , supply cords of single-phase eq | uipment           | N/A           |
|           | having a rated current not exceeding 10 A         |                   | W. CK         |
|           | be provided with a plug according to UNE          |                   | Anbo          |
|           | 20315:1994.                                       | stek shote And    | sotek.        |
|           | Supply cords of single-phase equipment h          | naving a          | AMO           |
|           | rated current not exceeding 2,5 A shall be        |                   | ek abote.     |
|           | provided with a plug according to UNE-EN          |                   | A. rel        |
|           | 50075:1993.                                       | anbore And        | hotek Anbor   |
|           | L Colo Villa                                      | tek abote Ar      | W. W.         |
|           | CLASS I EQUIPMENT provided with sock              | DAY.              | Anbote. And   |
|           | outlets with earth contacts or which are in       | V O.              | R. Jek        |
|           | to be used in locations where protection a        | gainst            | Anbo          |
|           | indirect contact is required according to the     | 100               | potek         |
|           | rules, shall be provided with a plug in acc       | ordance           | Arro          |
|           | with standard UNE 20315:1994.                     | notek Anbo        | ek abote.     |
|           | If poly-phase equipment is provided with a        |                   | VI.           |
|           | cord with a plug, this plug shall be in acco      | rdance            | otek Anbore   |
|           | with UNE-EN 60309-2.                              | Ar tek abote. An  | V 100         |
| .2.1.1    | In the <b>United Kingdom</b> , apparatus which    | is fitted         | N/A           |
| Anbo      | with a flexible cable or cord and is design       |                   | by.           |
|           | connected to a mains socket conforming            |                   | Anbo          |
|           | 1363 by means of that flexible cable or co        |                   | otek          |
|           |   |                   | Ams           |
|           | plug, shall be fitted with a 'standard plug'      |                   | aboter aboter |
|           | accordance with Statutory Instrument 176          | 0.1334            | All           |
|           | - The Plugs and Sockets etc. (Safety)             | Anb.              | otek Anbore   |
|           | Regulations 1994, unless exempted by th           | use               | D- 1/2        |
|           | regulations.                                      | Anber An          | boten Anbo    |
|           | NOTE 'Standard plug' is defined in SI 1768:19     |                   | V.V.          |
|           | essentially means an approved plug conforming     | ig to BS          | Anbote Ar     |
|           | 1363 or an approved conversion plug.              | 101               | pe.           |



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| , v  | EN 60950-1   | Anbot Art tek  | photen                        |
|--|--|--|-------------------------------|
| Clause   | Requirement – Test   | Result - Remark  | Verdict                       |
| - pote,  | And Andrew Anbort All  | ok abotek Anbo   | h                             |
| 3.2.1.1<br>Anbotek<br>Anbotek                        | In <b>Ireland</b> , apparatus which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to I.S. 411 by means of that flexible cable or cord and plug, shall be fitted with a 13 A plug in accordance with Statutory Instrument 525:1997 - National Standards Authority of Ireland (section 28) (13 A Plugs and Conversion Adaptors for Domestic   | Anbotek   | N/A                           |
| Anbote   | Use) Regulations 1997.   | k Anbotek Anbo   | h. abot                       |
| 3.2.4 Anboten  | In <b>Switzerland</b> , for requirements see 3.2.1.1 of this annex.  | otek Anbotek Anbo  | N/A                           |
| 3.2.5.1  | In the <b>United Kingdom</b> , a power supply cord with conductor of 1,25 mm <sup>2</sup> is allowed for equipment with a rated current over 10 A and up to and including 13 A.  | Anbotek Anbotek Anb  | hotek                         |
| Anbotek Anbotek                                      | In the <b>United Kingdom</b> , the range of conductor sizes of flexible cords to be accepted by terminals for equipment with a RATED CURRENT of over 10 A up to and including 13 A is:  • 1,25 mm² to 1,5 mm² nominal cross-sectional area.  | k Anbotek Anbotek  Anbotek Anbotek  Anbotek Anbotek Anbote   | N/A                           |
| Anbotek  Anbotek  Anbotek  Anbotek  Anbotek  Anbotek | In the <b>United Kingdom</b> , the torque test is performed using a socket outlet complying with BS 1363 part 1:1995, including Amendment 1:1997 and Amendment 2:2003 and the plug part of DIRECT PLUG-IN EQUIPMENT shall be assessed to BS 1363: Part 1, 12.1, 12.2, 12.3, 12.9, 12.11, 12.12, 12.13, 12.16 and 12.17, except that the test of 12.17 is performed at not less than 125 °C. Where the metal earth pin is replaced by an Insulated Shutter Opening Device (ISOD), the requirements of clauses 22.2 and 23 also apply. | Anbotek Anbotek Anbotek  Anbotek Anbotek Anbotek | Anbotek<br>Anbotek<br>Anbotek |
| Anbotek  Anbotek  Anbotek  Anbotek                   | In <b>Ireland</b> , DIRECT PLUG-IN EQUIPMENT is known as plug similar devices. Such devices shall comply with Statutory Instrument 526:1997 - National Standards Authority of Ireland (Section 28) (Electrical plugs, plug similar devices and sockets for domestic use) Regulations, 1997.  | tek Anbotek Anbotek  Anbotek Anbotek Anbotek  Anbotek Anbotek  | N/A                           |



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| 184-                | botek Anbor An   | EN 60950-1  | Anbo                                    | mbore              |
|---------------------|--|---|---|--------------------|
| Clause              | Requirement – Test   | Notek notek   | Result - Remark                         | Verdict            |
| abotek              | Anbo stek An   | pore And  | ok hotek Anbo                           | ber.               |
| 5.1.7.1<br>Anbotel  | In <b>Finland</b> , <b>Norway</b> and <b>Swede</b> CURRENT measurement results mA r.m.s. are permitted only for equipment:                                     | exceeding 3,5   | Dotek Anbotek Anbotek                   | N/A                |
|                     | STATIONARY PLUGGABLE E<br>TYPE A that is intended to be<br>RESTRICTED ACCESS LOCAT<br>equipotential bonding has been a<br>example, in a telecommunication      | used in a<br>ION where<br>applied, for                                | Anbotek Anbotek Anbotek Anbotek Anbotek | Anbotek<br>Anbotek |
|                     | has provision for a permanently PROTECTIVE EARTHING CON is provided with instructions for that conductor by a SERVICE PI                                       | DUCTOR; and he installation of  | otek Anbotek Anbotek Anbote             | tek Ant            |
|                     | <ul> <li>STATIONARY PLUGGABLE E<br/>TYPE B;</li> <li>STATIONARY PERMANENTLY<br/>EQUIPMENT.</li> </ul>  | QUIPMENT  | Anbotek Anbotek Anbotek                 | Anbotek<br>Anbotek |
| 3.1.2.1<br>A1:2010) | In Finland, Norway and Swede following text between the first a paragraph of the compliance clar   | nd second   | otek Anbotek Anbotek                    | N/A                |
|                     | If this insulation is solid, including forming part of a component, it s consist of either   | g insulation  | Anbotek Anbotek Ar                      | botek<br>Albotek   |
|                     | - two layers of thin sheet materia shall pass the electric strength to   |   | Anbote Anbotek                          | Anbotek            |
|                     | <ul> <li>one layer having a distance throat least 0,4 mm, which shall pass<br/>strength test below.</li> </ul>   |   | otek Ambotek Ambotek                    | ek Anbo            |
|                     | Alternatively for components, the through insulation requirements consisting of an insulating compositiling the casing, so that CLEAR CREEPAGE DISTANCES do no | for the insulation<br>ound completely<br>ANCES and<br>t exist, if the | Anbotek Anbotek An                      | Arbotek<br>Anbotek |
|                     | component passes the electric s accordance with the compliance and in addition   |   | tek Anbotek Anbotek                     | Anbotel Anbotel    |
|                     | - passes the tests and inspection<br>2.10.11 with an electric strength<br>multiplied by 1,6 (the electric stre   | test of 1,5 kV  | abotek Anbotek Anbo                     | 2043K V            |
|                     | 2.10.10 shall be performed using - is subject to ROUTINE TESTIN strength during manufacturing, u voltage of 1,5 kV.  | IG for electric   | Anbotek Anbotek                         | Anbotek<br>Anbotek |



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| ipo. b             | otek Anboter  | EN 60  | 950-1                | Anboro             | VII.       | abotek             |
|--------------------|---|--|----------------------|--------------------|------------|--------------------|
| Clause             | Requirement – Test  | Anboro   | VII.                 | Result - Rema      | ark Mark   | Verdict            |
| Note L             | Anbo of motek   | Anboro   | An                   | ok pote            | Anbox      | P.                 |
|                    | It is permitted to bridge to optocoupler complying v  |  | ith an 🚾             | ootek Anb          |            | N/A                |
|                    | It is permitted to bridge to capacitor complying with subclass Y2.  |  |                      | Anbotek A          |            | Anbotek A          |
|                    | A capacitor classified Y3 EN 60384-14:2005, may under the following cond  | / bridge this insu   | ılation              | Anbotek<br>Anbotek |            | Anbotek            |
|                    | - the insulation requirem<br>having a capacitor class<br>EN 60384-14, which in a<br>is tested with an impulse<br>EN 60950-1:2006, 6.2.2 | ified Y3 as defir<br>addition to the Y<br>e test of 2,5 kV o | ned by<br>3 testing, | Anbotek Anbo       |            | otek Anbote Anbote |
|                    | - the additional testing s<br>the test specimens as de  |  |                      | Anbotek            |            | Anbotek            |
|                    | - the impulse test of 2,5 before the endurance te sequence of tests as de   | st in EN 60384-  | 14, in the           | K Anbotek          |            | Anbotek<br>Anbotek |
| 6.1.2.2            | In <b>Finland</b> , <b>Norway</b> and are applicable for PERM EQUIPMENT, PLUGGA   | MANENTLY CON<br>BLE EQUIPME                                  | NNECTED<br>NT TYPE   | upotek And         | hbotek Anb | N/A                |
|                    | B and equipment intended RESTRICTED ACCESS equipotential bonding hat telecommunication centres.   | LOCATION whas been applied,                                  | ere<br>e.g. in a     | Anbotek<br>Anbotek |            | Anbotek            |
| Anbotek<br>Anbotek | provision for a permanel PROTECTIVE EARTHIN provided with instruction that conductor by a SER   | ntly connected<br>NG CONDUCTO<br>is for the installa         | OR and is            | otek Anborer       |            | Anbotek<br>Anbo    |
| 7.2                | In <b>Finland</b> , <b>Norway</b> and requirements see 6.1.2. annex.  | Sweden, for  | otex p               | Anbotek Al         | Anbotek A  | N/A                |
|                    | The term TELECOMMU<br>6.1.2 being replaced by<br>DISTRIBUTION SYSTE   | the term CABLE   |                      | Anbotek            |            | Anbotek<br>Anbotek |
| 7.3<br>(A11:2009)  | In <b>Norway</b> and <b>Sweden</b> 1.2.13.14 and 1.7.2.1 of   |  | nts see              | yek Aupor          | notek Anbo | N/A                |



#### Tables

| 1.5.1 nbote            | TABLE: List of critical               | components          |                                      |                              | tek P nbote                          |
|------------------------|---------------------------------------|---------------------|--------------------------------------|------------------------------|--------------------------------------|
| Object/part<br>No.     | Manufacturer/<br>trademark            | Type/model          | Technical data                       | Standard<br>(Edition / year) | Mark(s) of conformity <sup>1</sup> ) |
| Enclosure<br>(plastic) | SABIC INNOVATIVE<br>PLASTICS US L L C | 923(f1)             | PC, V-0, Min.<br>Thickness:<br>1.5mm | UL 94                        | UL Anbotek                           |
| PCB ten                | Interchangeable                       | Interchang<br>eable | V-0, 130°C                           | UL 94                        | UL Anbotek                           |
| Coil                   | Interchangeable                       | Interchang eable    | 130 °C                               | UL 1446                      | OF Aupote                            |
| Remark:                | Anto otek ont                         | otek Aup            | ok Am hotek                          | Anbotek                      | Aupon tek                            |

| 1.5.1       | TABLE: Opto Electronic Devices                    | N/A     |
|-------------|---|---------|
| Manufactu   | rer   | Am      |
| Туре        | ek poote And to hotek Anbote An-otek Anbote       |         |
| Separately  | tested  | tek Anb |
| Bridging in | sulation  | notek A |
| External c  | reepage distance                                  | ntek.   |
| Internal cr | eepage distance                                   | Anbo    |
| Distance t  | nrough insulation:                                | Anboro  |
| Tested und  | der the following conditions:                     |         |
| Input       | An Andrew Anbotek Anbotek Anbotek Anbotek Anbotek | ek nbc  |
| Output      | noter Anbote Anbote Anbote Anbotek Anbotek Anbo   | A. A.   |
| suppleme    | ntary information                                 |         |
| 'bo         | botek Anbote Ant otek Anbotek Anbo                | Anbote  |

| 1.6.2   | TABLE: ele | ectrical data te | est (in norr | nal condition | ons)       | inbo stek Anbotek | PPoter |
|---------|------------|------------------|--------------|---------------|------------|-------------------|--------|
| U (V)   | I (A)      | I rated (A)      | P (W)        | Fuse#         | I fuse (A) | condition         |        |
| 5Vdc    | 0.960      | boten 1.0 And    | 4.8          | Anbotok       | Anbore     | Max. normal load. | ek An  |
| Remark: | nbotek     | Anboter A        | nosek        | Anbotek       | Anbore     | tek abotek Ani    | potek  |

| 2.1.1.5 c) 1) | TABLE: m | nax. V, A, V | A test | Anbotek             | Aupote | k And               | k Anbotek     | N/A  |
|---------------|----------|--------------|--------|---------------------|--------|---------------------|---------------|------|
| Voltage<br>(V | (rated)  | Current (ra  | ated)  | Voltage (max<br>(V) | ) Cui  | rrent (max.)<br>(A) | VA (ma<br>(VA | ,    |
| botek Aab     | Or A     | notek -      | Anbote | Augo                | ik h.  | Notok P             | Upole Aur     | otek |
| Remark:       | upore    | Ansotek      | Nn/    | otek Anbo           | P      | hotek               | Anbote. A     | no   |

| 2.1.1.5 c) 2) TABLE: stored energy | Anbore |  |  |  | N/A |
|------------------------------------|--------|--|--|--|-----|
|------------------------------------|--------|--|--|--|-----|

| Capacitance C | (µF) |        | Voltage U (V) |        |    | Energy E (J) |           |        |       |  |
|---------------|------|--------|---------------|--------|----|--------------|-----------|--------|-------|--|
| k Aupoten     | Aupo | rek    | abotek -      | Anbore | An | otek         | Anbotek - | Anbo.  | Y     |  |
| Remark:       | Anb  | . o.V- | hotek.        | Anbote |    | And          | nbotek    | Anbore | K Dir |  |

| 2.2                          | ŢA                       | ABLE: evalua  | ABLE: evaluation of voltage limiting components in SELV circuits |            |   |                  |                                     |           |         |  |
|------------------------------|--------------------------|---------------|--|------------|---|------------------|-------------------------------------|-----------|---------|--|
| Lo                           | Location Voltage measure |               |  |            |   | ement (V) Commer |                                     |           |         |  |
| Component (measured between) |                          |               |  |            | max. voltage (V) Voltage Limitir (normal operation) |                  |                                     | ng Com    | ponents |  |
| Transforme                   | er                       | Location      |  |            | V peak  | V d.c.           |                                     |           |         |  |
| hotek                        | Aupo                     | 18K W.        | potek - P  | nbote. Ar  | in Ofek   | Aupotek          | Aupor                               | br.       | otek    |  |
| Fault test p                 | perfo                    | rmed on volta | ge limiting o  | components | Vol   |                  | sured (V) in SEL<br>peak or V d.c.) | .V circui | ts      |  |
| - And                        | Y.                       | nbotek        | Aupor  | An hotek   | Anbote  | Vup.             | rek va                              | otek      | Anbore  |  |
| Remark:                      | *eK                      | abotek        | Anbore   | K Aug      | ek ant  | lotek b          | Aupor Am                            | botek     | Anbo    |  |

| 2.5     | TABLE     | : limited power sou | irce measurement | Ann                    | Anbotek  | N/A         |
|---------|-----------|---------------------|------------------|------------------------|----------|-------------|
| Cor     | dition    | Output voltage      | Output current   | Apparent power (S) (VA |          |             |
|         |           | (Uoc) (V)           | Meas.            | limit                  | Meas     | limit       |
| Aupo    | ok A      | otek Anbote         | And ster and     | otek Aupor             | All.     | K Anbotek   |
| Remark: | S-C=Short | circuit, O-C=Open c | ircuit           | nbotek Ant             | Ore. Aus | otek Anbote |

| 2.10.2  | TABL  | E: Workin | g voltage m | easure | ement  | K Ant    | otek  | Anbe  | *ek    | N/A     |
|---------|-------|-----------|-------------|--------|--------|----------|-------|-------|--------|---------|
| Compon  | ent   | From      | To          | )      | V rms  | V pea    | ık    |       | Remark |         |
| Aupote. | Ann   | notek -   | Ankotek     | Aupo,  | FOK VI | abotek - | Anbot | Or.   | Anbo   | Anbotek |
| Remark: | N. D. | n. otek   | anbotek     | An     | 00 X   | hotek    | An    | bole. | Ann    | hoot    |

| 2.10.3 and<br>2.10.4 | TABLE: Clearai                    | nce and cre   | epage dista     | ince measurei       | ments      | 'uporek Al          | A lbot N/A |
|----------------------|-----------------------------------|---------------|-----------------|---------------------|------------|---------------------|------------|
|                      | l) and creepage<br>at/of/between: | U peak<br>(V) | U r.m.s.<br>(V) | Required cl<br>(mm) | cl<br>(mm) | Required cr<br>(mm) | cr<br>(mm) |
| Anbotek              | - Anborrotek                      | Vuparek       | Anboten         | Anbo botek          | Anbotel    | Anbore              | k Ann      |
| Supplementa          | ry information:                   | nbotek        | Anboto          | ok hote             | K Anb      | Pupo.               | rek.       |

| 2.10.5 TABLE: Distance through insulation measurements                    |           |      |   |          |         |             |       |  |
|---|-----------|------|---|----------|---------|-------------|-------|--|
| distance through insulation di at/of:  U peak (V)  Test voltage (V)  (mm) |           |      |   |          |         | DTI<br>(mm) |       |  |
| Vu.   | ek Anotek | Anbo | b | lek Anbo | Te. Tun | ek -nbotek  | Papor |  |



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#### Tables

| 2.10.5  | TABLE: Distance throu | 2.10.5 TABLE: Distance through insulation measurements |         |         |           |         |  |  |  |  |
|---|-----------------------|--|---------|---------|-----------|---------|--|--|--|--|
| distance through insulation di at/of:  U peak (V)  Test voltage (V)  (mm) |                       |  |         |         |           |         |  |  |  |  |
| Remark:   | botek abotek          | Anbote.  | Andatek | anbotek | Anbor Air | hotek A |  |  |  |  |

| 4.3.8  | TABLE: E           | Batteries         |                            |                   |                   |                    |                           | *eK                | N/A              |
|--|--------------------|-------------------|----------------------------|-------------------|-------------------|--------------------|---------------------------|--------------------|------------------|
| The tests of data is not a                       |                    | applicable        | only when app              | propriate b       | attery            | Anbot              | ek A'                     | hotek              | N/A              |
| Is it possible                                   | to install t       | he battery        | in a reverse p             | olarity pos       | ition?            | Vu,                | p. Lek                    | botel              | N/A              |
| SK VUDO  | Non-re             | chargeable        | e batteries                |                   | F                 | Rechargeal         | ble batteri               | es                 |                  |
|  | Disch              | arging            | Un-                        | Cha               | rging             | Discha             | arging                    | Reverse            | d charging       |
| Anbotek  | Meas.<br>current   | Manuf.<br>Specs.  | intentional charging       | Meas.<br>current  | Manuf.<br>Specs.  | Meas.<br>current   | Manuf.<br>Specs.          | Meas.<br>current   | Manuf.<br>Specs. |
| Max.<br>current<br>during<br>normal<br>condition | ek Anbot           | potek-            | <sub>Anbotek</sub> Anbotek | nbotek<br>Anbotek | Anbotek<br>Anbote | Anbote  Anti-      | otek_<br>otek_<br>inbotek | Anbotek<br>Anbotek | Anbotek<br>Anbo  |
| Max.<br>current<br>during fault<br>condition     | Anbotek<br>Anbotek | Anbotek<br>Anbote | K Anbotel                  | Anb               | hbotek<br>hbotek  | Anbotek<br>Anbotek | Anbola<br>Anbol           | otek And           | hotek<br>Anbotek |
| All  | Anboth             | Ant Ant           | Lak M.                     | botek             | Anbore            | Ans                | stek                      | Anbotek            | Anbor            |
| Test results                                     | ek at              | otek              | Anbor K                    | . otek            | Anbote            | See below          | v .ex                     | hotek              | Verdict          |
| - Chemical I                                     | eaks               | hotek             | Anbore                     | Aug               | da                | No leakag          | jed                       | Pri.               | ek - Ar          |
| - Explosion                                      | of the batte       | ery               | Anbotek                    | Aupor             | rok<br>Pr         | No explos          | sion                      | Vuo                | stek-            |
| - Emission o                                     | of flame or        | expulsion of      | of molten meta             | al Anbi           | . V               | No fire            | Anboth                    | An An              | be roll          |
| 25   | LP.V               | *00"              | ent after com              | 1.7               | ests              | No damaç           | ged                       | otek               | Vupor-           |
| Supplement                                       |                    | 75                | ore. Pup.                  | otek              | Anbotek           | Anbore             | LOK ATT                   | hotek              | Anbotel          |

| 4.3.8   | Anbo    | TABLE: Batteries         | Anbotek            | Anbo         | , hot      | anboth        | Anbo     | N/A  |
|---------|---------|--------------------------|--------------------|--------------|------------|---------------|----------|------|
| Battery | y cate  | gory                     | Moote <sup>N</sup> | (Lithium, Ni | Mh, NiCad, | Lithium Ion . | oter Ann | rek  |
| Manuf   | acture  | ər                       | bo                 |              |            |               |          | por  |
| Type /  | mode    | əl                       | And                |              |            |               |          |      |
| Voltag  | e       | Anu dek de               | otek A             |              |            |               |          |      |
| Сарас   | ity     | Anbor A.                 |                    | mAh          |            |               |          |      |
| Testec  | bna t   | Certified by (incl. Ref. | No.):              |              |            |               |          |      |
| Circuit | : prote | ection diagram:          |                    |              |            |               |          |      |
| oter    | An      | , otek                   | Aupole             | Villa        | ok No.     | otek Anb      | , p.     | stek |



#### Tables

| MARKINGS AND INSTRUCTIONS (1.7.13) | ,ot A     | , otek | Anbotek   | Anbo     | h. bote |
|------------------------------------|-----------|--------|-----------|----------|---------|
| Location of replaceable battery    | holes     | Ann    | nbotek    | Anbor    | K Ku    |
| Language(s)                        | -Anbotes  | Anbo   | ak abotek | Anbole   | Y VI    |
| Close to the battery               | - Anboten | Anbo   | *ek ~bc   | itek Anb | ore. b  |
| In the servicing instructions      | K Aubo    | JEK AN | or br     | botek p  | 'upote. |
| In the operating instructions      | 10h       | botek  | Aupor K   | Lotek    | Anbotek |

| 4.5 And     | TABLE: Thermal requirements        |           |        |           | botel    | PAnbo                            |
|-------------|------------------------------------|-----------|--------|-----------|----------|----------------------------------|
| iek Aug     | Supply voltage (V)                 | 5Vdc      | botek  | Anbore    | No.      | _                                |
| botek       | Ambient T <sub>min</sub> (°C)      | 40.0      | nbotek | Anbore    | r<br>V   | _                                |
| Anbotek     | Ambient T <sub>max</sub> (°C)      | 40.0      | nbot   | ek Aupore | Y P      | _                                |
| Maximum     | measured temperature T of part/at: |           | Т (    | °C)       |          | Allowed<br>T <sub>max</sub> (°C) |
| PCB near    | output terminal                    | 60.5      | CK     | Anbor - P | " " otek | 130                              |
| Surface of  | the coil                           | 60.0      | botek  | Anbore -  | Mun      | 130                              |
| PCB near    | U1 <sup>ote</sup> And otek Anbotek | 63.5      | botek  | Anbore.   | Aup      | 130                              |
| Inside encl | losure                             | 58.1      | Vi.    | k Ankote  | V. V.    | Ref.                             |
| Outside en  | nclosure                           | 57.0      | Vun    | stek snb  | otek     | 95                               |
| Remark:     | K Anbotek Anbotek Anbotel          | k Anbotes | ek Vu  | Anbotek A | nbotek   | Anbot                            |

| 4.5.5   | TABLE: Ball pressure test of thermoplastics |                       |         |                             |  |  |  |
|---------|---|-----------------------|---------|-----------------------------|--|--|--|
| Anboten | required impression diameter (mm):          | ≤ 2 mm                | o. A.   | ak abotok                   |  |  |  |
| part    |   | test temperature (°C) |         | impression diameter<br>(mm) |  |  |  |
| K bu.   | hotek Anbotek - Anb                         | DOLD WOLEK            | Anbotek | Anbo                        |  |  |  |
| Remark: | Botek Anbotek Anbo                          | Anbore Anb            | Anbote  | An'                         |  |  |  |

| 4.7         | TABLE:      | Resistance to fire       | otek Anbotek     | Anbou          | A. hotek           | Anb       |
|-------------|-------------|--------------------------|------------------|----------------|--------------------|-----------|
| Pa          | rt          | Manufacturer of material | Type of material | Thickness (mm) | Flammability class | Evidence  |
| Refer to ta | ble 1.5.1 f | or details               | Anbotek Anbe     | b. Br.         | hotek Anbo         | Yun Vun   |
| Supplemen   | ntary infor | mation:                  | ak abotek A      | upor K         | otek A             | hotek Anb |

| 5.1.6     | TABLE: | TABLE: Touch current measurement |                     |            |          |  |  |  |
|-----------|--------|----------------------------------|---------------------|------------|----------|--|--|--|
| Condition |        | L → terminal A (mA)              | N → terminal A (mA) | Limit (mA) | Comments |  |  |  |



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#### Tables

| Anbote. | And  | - nbotek | Anbore | Air. Notek | Anbotek | Anbo - tek | A. abotek |
|---------|------|----------|--------|------------|---------|------------|-----------|
| Remark: | Anbe | nbotek   | Anboro | Ans        | Anbotek | Anbos      | A. bo     |

| 5.2        | TABLE: Electri      | TABLE: Electric strength tests, impulse tests and voltage surge tests |        |  |               |                       |  |  |  |
|------------|---------------------|---|--------|--|---------------|-----------------------|--|--|--|
| Test volta | ge applied between: |   |        | Voltage shape (AC, DC, impulse, surge) |               | Breakdown<br>Yes / No |  |  |  |
| Anbo       | Aupo rek -          | - botek   | Anbore | North-                                 | abotek - Anbo | - Pr.                 |  |  |  |
| Suppleme   | ntary information:  |   |        |  |               |                       |  |  |  |

| 5.3.5            | 5.3.5 TABLE                   |         | E: Fault c | ondition t             | ests            |                  |                        |  | Anbo P.ok     |  |  |
|------------------|-------------------------------|---------|------------|------------------------|-----------------|------------------|------------------------|--|---------------|--|--|
| VII.             | ambient temperature (°C):     |         |            |                        |                 |                  | 25℃                    |  |               |  |  |
| V.               | model/type of power supply:   |         |            |                        |                 | See below        |                        |  |               |  |  |
| eK.              | manufacturer of power supply: |         |            |                        | See page 1      |                  |                        |  |               |  |  |
| rat              |                               | rated n | narkings c | f power su             | apply           | 10077            | ek V.                  | : See rating label -                               |               |  |  |
| No.              | Comp<br>No.                   | onent   | Fault      | Test<br>voltage<br>(V) | Test<br>time    | Fuse<br>#.       | Fuse<br>current<br>(A) | Result   |               |  |  |
| 1                | EUT                           | P.      | O-L        | 5VDC                   | 2hours<br>30min | ote <del>k</del> | Anbotek                | Unit shut down immediately, no damaged, no hazard. |               |  |  |
| ~2               | U1 pii                        | n1-5    | SC         | 5VDC                   | 10min           | inpotek          | Anbe                   | Unit shut down immediately damaged, no hazard.     | , no Ame      |  |  |
| 3                | R8 📈                          | pote.   | SC         | 5VDC                   | 10min           | Anbor            | otek - An              | Unit shut down immediately damaged, no hazard.     | , no          |  |  |
| xn4°te           | Q1 pi                         | n2-3    | SC         | 5VDC                   | 10min           | k Vu             | nbotek                 | Unit shut down immediately no damaged, no hazard.  | , protection, |  |  |
| 5. <sup>nh</sup> | EUT                           | Viv     | SC         | 5VDC                   | 10 min          | otek-            | Anbotek                | After SC, unit shut down im No damage, no hazards. | mediately.    |  |  |

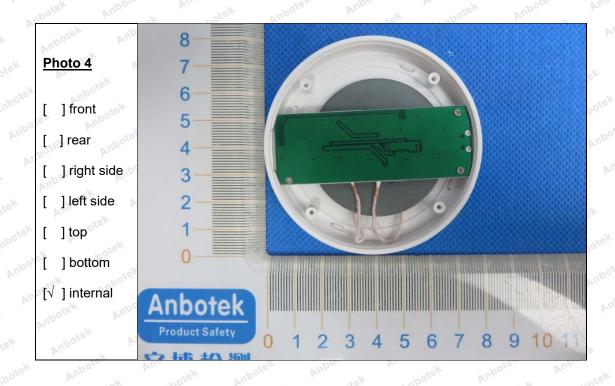
#### Remark:

1) SC: short-circuit, OC: Open circuit, O-L: Over load.

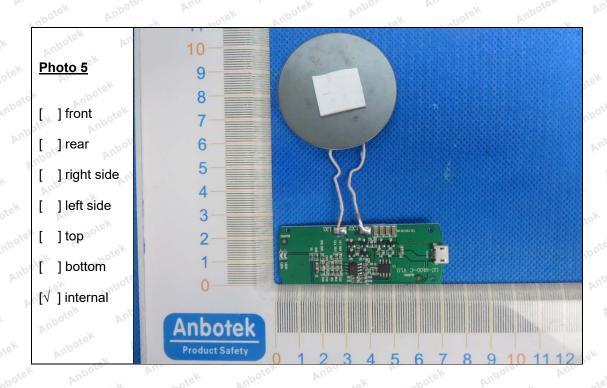


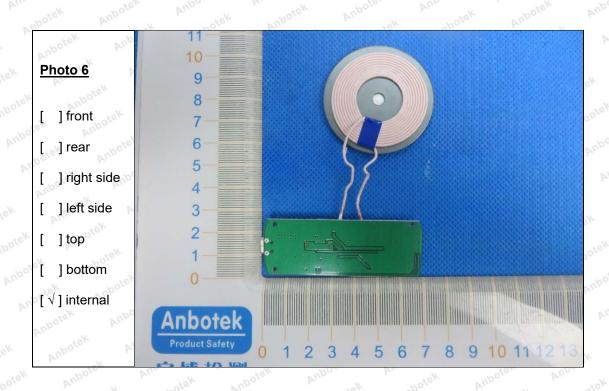












\*\*\*End of report\*\*\*