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TEST REPORT

EN 60950-1:2006

Information technology equipment - Safety -**Part 1: General requirements**

Report Reference No. 80983

Date of issue: May 8, 2009

Total number of pages 49 pages

MET Laboratories, Inc. CB Testing Laboratory

Address: 914 West Patapsco Ave, Baltimore, MD 21230, USA

Applicant's name..... Ubiquiti Networks

Address: 495-499 Montague EXPWY, Milpitas CA. 95035

Manufacturer's name Ubiquiti Networks

Address 495-499 Montague EXPWY, Milpitas CA. 95035

Factory's name Ubiquiti Networks

495-499 Montague EXPWY, Milpitas CA. 95035 Address

Test specification:

Standard: X EN 60950-1:2006

Test procedure: CE Non-standard test method..... N/A

Test Report Form No. EN60950_1C Test Report Form(s) Originator....... SGS Fimko Ltd Master TRF:

Test item description: B5, and B2

Trade Mark:



Dated 2007-06

Manufacturer: Ubiquiti Networks

Model/Type reference: B2 and B5. Ratings: 12 VDC, 1 A

Testi	ing procedu	re and	testing location:			
\boxtimes	CE Testing	g Labo	ratory:	MET Laboratories, Inc.		
Testing location/ address:		914 West Patapsco Ave,				
		Baltimore MD 21230, USA				
	Tested by ((name	+ signature):			
	Approved b	oy (+ si	gnature):	Rick Cooper	hick Goger	
\boxtimes	Associate	d CE L	aboratory:	MET Laboratories, Inc.		
Testi	ng location/	addres	s:	33439 Western Ave. Union City, CA 94587		
	Tested by ((name	+ signature):	Shaima Adin	A.J.	
	Testing pro	cedure	e: WMT			
	Tested by (name	+ signature):			
	Witnessed	by (+ s	ignature):			
	Approved b	y (+ si	gnature):			
Testi	ng location/	addres	s:			
Sum	mary of test	ing- T	ests nerformed (n	ame of test and test claus	e).	
- Juni	1.7.13	9 1	Marking Durability			
	1.6.2		Input Current Test	1000		
	4.5.1		Temperature Test			
The requ	products co	vered the fo	llowing countries	ve been found to be in co	mpliance with the applicable DK, ES, FI, FR, GB, IE, IT, JP, KR,	
Copy	of marking	plate				
		_			1	
1	B2 Ubiquiti	FCCII IC: 65	D: SWX-B2 45A-B2			
П	Networks		levice complies with P tion is subject to the foll			
	1.) This device may not cause harmful interference and, 2.) This device must accept any interference received, including interference that many cause undesired operation					
	W1					
U	UBIQUITI © 2007 SCHOOLS					

Test item particulars	
Equipment mobility	Stationary
Connection to the mains	No Directly Connected to Mains.
Operating condition	Continuous
Access location:	Operator accessible
Over voltage category (OVC)	Other: DC
Mains supply tolerance (%) or absolute mains supply values:	+ 20%, -15%
Tested for IT power systems	No
IT testing, phase-phase voltage (V)	N/A
Class of equipment	Class III
Considered current rating (A)	1A
Pollution degree (PD)	PD 2
IP protection class	IPX0
Altitude during operation (m)	14 m
Altitude of test laboratory (m)	14 m
Mass of equipment (kg)	0.9kg
Possible test case verdicts:	
- test case does not apply to the test object	N/A
- test object does meet the requirement	P (Pass)
- test object does not meet the requirement	F (Fail)
Testing	
Date of receipt of test item	January 15, 2009
Date(s) of performance of tests	January 23, 2009

General remarks:

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

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"(See appended table)" refers to a table appended to the report.

Note: This TRF includes EN Group Differences together with National Differences and Special National Conditions, if any. All Differences are located in the Appendix to the main body of this TRF.

Throughout this report a comma (point) is used as the decimal separator.

- The product is stationary, Class III (unearthed).
- Product is not evaluated for outdoor use under this certification. Pollution Degree II unit.
- Power to units is supplied from Listed Adapter through Ethernet connection.
- A suitable disconnect device should be part of building installation.
- Unit is not intended for restricted access area only.
- The equipment was submitted and tested for a maximum manufacturer recommended ambient temperature of 70°C.

General product information:

• The B2, B5 is a high performance 802.11 outdoor point to point device specifically designed for optimized performance at 2.4GHZ, and 5GHz, respectively. It is built around the Atheros AR2315 SoC which integrates a 180MHz MIPS4KC processor, 802.11 MAC/BB functionality and RF operation on a single chip. The AR2315 is connected to FLash, RAM, a 40MHz crystal. Its MII interface is connected to a 802.3 Ethernet Phy and transformer to a RJ45 jack. An RF front-end connects to the chip which includes a power amplifer, low-noise amplifier, and TX/RX switch. The B2 contains a power control feedback mechanism which works with calibration stored in the EEPROM to ensure proper predefined output powers for different channel frequencies and data rates.

	EN 60950-1		
Clause	Requirement + Test	Result - Remark	Verdict
1	GENERAL		Р
			•
1.5	Components		Р
1.5.1	General		Р
	Comply with IEC 60950-1 or relevant component standard	(see appended table 1.5.1)	Р
1.5.2	Evaluation and testing of components		Р
1.5.3	Thermal controls	No such thermal controls.	N/A
1.5.4	Transformers	Part of Listed power supply.	Р
1.5.5	Interconnecting cables		N/A
1.5.6	Capacitors bridging insulation	Part of Part of Listed power supply.	Р
1.5.7	Resistors bridging insulation	Part of Part of Listed power supply.	Р
1.5.7.1	Resistors bridging functional, basic or supplementary insulation	Part of Part of Listed power supply	Р
1.5.7.2	Resistors bridging double or reinforced insulation between a.c. mains and other circuits	Part of Part of Listed power supply	Р
1.5.7.3	Resistors bridging double or reinforced insulation between a.c. mains and antenna or coaxial cable	No bridging between AC mains and antenna.	N/A
1.5.8	Components in equipment for IT power systems	Not for IT power systems.	N/A
1.5.9	Surge suppressors	No Surge suppressors.	N/A
1.5.9.1	General		N/A
1.5.9.2	Protection of VDRs		N/A
1.5.9.3	Bridging of functional insulation by a VDR		N/A
1.5.9.4	Bridging of basic insulation by a VDR		N/A
1.5.9.5	Bridging of supplementary, double or reinforced insulation by a VDR		N/A
1.6	Power interface		Р
1.6.1	AC power distribution systems	DC unit	Р
1.6.2	Input current	(see appended table 1.6.2)	Р
1.0.2	input current	Test performed	
1.6.3	Voltage limit of hand-held equipment	Not hand held.	N/A
1.6.4	Neutral conductor	Part of listed power supply.	Р
·			T _
1.7	Marking and instructions	T	Р
1.7.1	Power rating	Rated current provided.	Р

	EN 60950-1		
Clause	Requirement + Test	Result - Remark	Verdict
	Rated voltage(s) or voltage range(s) (V):	12 VDC	Р
	Symbol for nature of supply, for d.c. only:	Not necessary. Power is provided to the unit through Ethernet connection from an AC Power Adapter	Р
	Rated frequency or rated frequency range (Hz):	DC equipment	Р
	Rated current (mA or A)	1A,	Р
	Manufacturer's name or trade-mark or identification mark:	UBIOUTI	Р
	Model identification or type reference:	B2, B5	Р
	Symbol for Class II equipment only:	Provided on the Listed Power supply.	Р
	Other markings and symbols:		N/A
1.7.2	Safety instructions and marking	Operating/safety instruction addressed in manual.	Р
1.7.2.1	General	Operating/safety instruction addressed in manual.	Р
1.7.2.2	Disconnect devices	Plug on the power supply.	Р
1.7.2.3	Overcurrent protective device	Part of building installation.	Р
1.7.2.4	IT power distribution systems	Not connected to IT Power systems.	N/A
1.7.2.5	Operator access with a tool		N/A
1.2.7.6	Ozone	No Ozone	N/A
1.7.3	Short duty cycles	Unit is for continuous operation.	N/A
1.7.4	Supply voltage adjustment:	Auto range, part of power supply.	Р
	Methods and means of adjustment; reference to installation instructions		N/A
1.7.5	Power outlets on the equipment	No power outlet.	N/A
1.7.6	Fuse identification (marking, special fusing characteristics, cross-reference)	Not provided.	N/A
1.7.7	Wiring terminals	Not used	N/A
1.7.7.1	Protective earthing and bonding terminals:	Class II equipment.	N/A
1.7.7.2	Terminals for a.c. mains supply conductors	Direct Plug in. Part of Listed power supply.	N/A
1.7.7.3	Terminals for d.c. mains supply conductors		N/A
1.7.8	Controls and indicators	There are no controls or indicators effecting safety	N/A

	EN 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict	
1.7.8.1	Identification, location and marking	None used	N/A	
1.7.8.2	Colours	None used	N/A	
1.7.8.3	Symbols according to IEC 60417:	None used	N/A	
1.7.8.4	Markings using figures:		N/A	
1.7.9	Isolation of multiple power sources:		N/A	
1.7.10	Thermostats and other regulating devices:	None used	N/A	
1.7.11	Durability	Test conducted	Р	
1.7.12	Removable parts	None used	N/A	
1.7.13	Replaceable batteries:	No battery	N/A	
	Language(s):		_	
1.7.14	Equipment for restricted access locations:		N/A	

	EN 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict	
2	PROTECTION FROM HAZARDS		Р	
2.1	Protection from electric shock and energy hazards		Р	
2.1.1	Protection in operator access areas	No electric shock or energy hazard. All voltage levels are at SELV level. Below 60VDC. The power is provided through ethernet connection from listed AC power supply. Voltage level is at 12VDC.	Р	
2.1.1.1	Access to energized parts	No electric shock or energy hazard. All voltage levels are at SELV level. Below 60VDC. The power is provided through ethernet connection from listed AC power supply. Voltage level is at 12VDC.	Р	
	Test by inspection:		Р	
	Test with test finger (Figure 2A):		N/A	
	Test with test pin (Figure 2B)		N/A	
	Test with test probe (Figure 2C)		N/A	
2.1.1.2	Battery compartments	No battery compartments	N/A	
2.1.1.3	Access to ELV wiring	No ELV Wiring	N/A	
	Working voltage (Vpeak or Vrms); minimum distance through insulation (mm)	(see appended table 2.10.5)	_	
2.1.1.4	Access to hazardous voltage circuit wiring	No hazardous voltage circuit wiring .	Р	
2.1.1.5	Energy hazards:	No electric shock or energy hazard. All voltage levels are at SELV level. Below 60VDC.	Р	
2.1.1.6	Manual controls	No manual controls.	N/A	
2.1.1.7	Discharge of capacitors in equipment		N/A	
	Measured voltage (V); time-constant (s):		_	
2.1.1.8	Energy hazards – d.c. mains supply	Not connected to the DC main.	NA	
	a) Capacitor connected to the d.c. mains supply:	Does not have such a capacitor	N/A	
	b) Internal battery connected to the d.c. mains supply:		N/A	
2.1.1.9	Audio amplifiers		N/A	

	EN 60950-1		
Clause	Requirement + Test	Result - Remark	Verdict
2.1.2	Protection in service access areas	No electric shock or energy hazard. All voltage levels are at SELV level. All voltage levels are at 12VDC.	Р
2.1.3	Protection in restricted access locations	Unit is not intended for instillation in restricted access locations.	N/A
2.2	SELV circuits		Р
2.2.1			P
2.2.1	General requirements Voltages under normal conditions (V):	SELV	P
	1.1	SELV	
2.2.3	Voltages under fault conditions (V)	SELV SELV to SELV	P P
2.2.4	Connection of SELV circuits to other circuits:	SELV to SELV	Р
2.3	TNV circuits	No TNV	N/A
2.3.1	Limits		N/A
	Type of TNV circuits		_
2.3.2	Separation from other circuits and from accessible parts		N/A
2.3.2.1	General requirements		N/A
2.3.2.2	Protection by basic insulation		N/A
2.3.2.3	Protection by earthing		N/A
2.3.2.4	Protection by other constructions:		N/A
2.3.3	Separation from hazardous voltages		N/A
	Insulation employed:		_
2.3.4	Connection of TNV circuits to other circuits		N/A
	Insulation employed:		_
2.3.5	Test for operating voltages generated externally		N/A
2.4	Limited current circuits		N/A
2.4.1	General requirements	Unit not evaluated for limiting current circuit.	N/A
2.4.2	Limit values		N/A
	Frequency (Hz):		_
	Measured current (mA):		_
	Measured voltage (V):		_
	Measured circuit capacitance (nF or µF):		_

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Clause	Requirement + Test	Result - Remark	Verdict
2.4.3	Connection of limited current circuits to other circuits		N/A
2.5	Limited power sources		Р
	a) Inherently limited output	Power supply is listed L.P.S.	Р
	b) Impedance limited output	,	N/A
	c) Regulating network limited output under normal operating and single fault condition		N/A
	d) Overcurrent protective device limited output		N/A
	Max. output voltage (V), max. output current (A), max. apparent power (VA)		_
	Current rating of overcurrent protective device (A) .:		—
2.6	Provisions for earthing and bonding		N/A
2.6.1	Protective earthing	Class III	N/A
2.6.2	Functional earthing		N/A
2.6.3	Protective earthing and protective bonding conductors		N/A
2.6.3.1	General		N/A
2.6.3.2	Size of protective earthing conductors		N/A
	Rated current (A), cross-sectional area (mm²), AWG:		_
2.6.3.3	Size of protective bonding conductors		N/A
	Rated current (A), cross-sectional area (mm²), AWG		_
	Protective current rating (A), cross-sectional area (mm²), AWG		
2.6.3.4	Resistance of earthing conductors and their terminations; resistance (Ω) , voltage drop (V), test current (A), duration (min)		N/A
2.6.3.5	Colour of insulation		N/A
2.6.4	Terminals		N/A
2.6.4.1	General		N/A
2.6.4.2	Protective earthing and bonding terminals		N/A
	Rated current (A), type, nominal thread diameter (mm):		_
2.6.4.3	Separation of the protective earthing conductor from protective bonding conductors		N/A
2.6.5	Integrity of protective earthing		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
2.6.5.1	Interconnection of equipment		N/A
2.6.5.2	Components in protective earthing conductors and protective bonding conductors		N/A
2.6.5.3	Disconnection of protective earth		N/A
2.6.5.4	Parts that can be removed by an operator		N/A
2.6.5.5	Parts removed during servicing		N/A
2.6.5.6	Corrosion resistance		N/A
2.6.5.7	Screws for protective bonding		N/A
2.6.5.8	Reliance on telecommunication network or cable distribution system		
2.7	Overcurrent and earth fault protection in primary circ	vuite	Р
2.7.1	Basic requirements	Part of Listed Power supply.	P '
2.7.1	Instructions when protection relies on building installation	Tartor Listed Fower supply.	N/A
2.7.2	Faults not simulated in 5.3.7		N/A
2.7.3	Short-circuit backup protection		N/A
2.7.4	Number and location of protective devices:		N/A
2.7.5	Protection by several devices		N/A
2.7.6	Warning to service personnel:		N/A
2.8	Safety interlocks	None included.	N/A
2.8.1	General principles		N/A
2.8.2	Protection requirements		N/A
2.8.3	Inadvertent reactivation		N/A
2.8.4	Fail-safe operation		N/A
2.8.5	Moving parts		N/A
2.8.6	Overriding		N/A
2.8.7	Switches and relays		N/A
2.8.7.1	Contact gaps (mm):		N/A
2.8.7.2	Overload test		N/A
2.8.7.3	Endurance test		N/A
2.8.7.4	Electric strength test	(see appended table 5.2)	N/A
2.8.8	Mechanical actuators	,	N/A
2.9	Electrical insulation		Р

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Clause	Requirement + Test	Result - Remark	Verdict	
2.9.1	Properties of insulating materials	Natural rubber, materials containing asbestos and hygroscopic materials are not used as insulation.	Р	
2.9.2	Humidity conditioning		N/A	
	Relative humidity (%), temperature (°C):		_	
2.9.3	Grade of insulation	Functional	Р	
2.9.4	Separation from hazardous voltages		N/A	
	Method(s) used		_	

2.10	Clearances, creepage distances and distances throu	ugh insulation	Р
2.10.1	General	Functional insulation	Р
2.10.1.1	Frequency	DC Unit	N/A
2.10.1.2	Pollution degrees:	2	Р
2.10.1.3	Reduced values for functional insualtion		N/A
2.10.1.4	Intervening unconnected conductive parts		N/A
2.10.1.5	Insulation with varying dimensions		N/A
2.10.1.6	Special separation requirements		N/A
2.10.1.7	Insulation in circuits generating starting pulses		N/A
2.10.2	Determination of working voltage	12 VDC	Р
2.10.2.1	General		N/A
2.10.2.2	RMS working voltage		N/A
2.10.2.3	Peak working voltage		N/A
2.10.3	Clearances	Functional insulation	Р
2.10.3.1	General		Р
2.10.3.2	Mains transient voltages		N/A
	a) AC mains supply:		N/A
	b) Earthed d.c. mains supplies:	12 VDC	Р
	c) Unearthed d.c. mains supplies:		N/A
	d) Battery operation		N/A
2.10.3.3	Clearances in primary circuits	(see appended table 2.10.3 and 2.10.4)	N/A
2.10.3.4	Clearances in secondary circuits	(see appended table 2.10.3 and 2.10.4)	Р
2.10.3.5	Clearances in circuits having starting pulses	(see appended table 2.10.3 and 2.10.4)	N/A
2.10.3.6	Transients from a.c. mains supply:		N/A
2.10.3.7	Transients from d.c. mains supply		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
2.10.3.8	Transients from telecommunication networks and cable distribution systems:		N/A
2.10.3.9	Measurement of transient voltage levels		N/A
	a) Transients from a mains suplply		N/A
	For an a.c. mains supply:		N/A
	For a d.c. mains supply:		N/A
	b) Transients from a telecommunication network :		N/A
2.10.4	Creepage distances		Р
2.10.4.1	General		Р
2.10.4.2	Material group and caomparative tracking index	Material group IIIb is assumed to be used.	N/A
	CTI tests	Material group IIIb is assumed to be used	_
2.10.4.3	Minimum creepage distances	(see appended table 2.10.3 and 2.10.4)	N/A
2.10.5	Solid insulation	No solid insulation is employed.	N/A
2.10.5.1	General		N/A
2.10.5.2	Distances through insulation	(see appended table 2.10.5)	N/A
2.10.5.3	Insulating compound as solid insulation		N/A
2.10.5.4	Semiconductor devices		N/A
2.10.5.5.	Cemented joints	(see appended table 2.10.3 and 2.10.4)	N/A
2.10.5.6	Thin sheet material – General		N/A
2.10.5.7	Separable thin sheet material		N/A
	Number of layers (pcs):		_
2.10.5.8	Non-separable thin sheet material		N/A
2.10.5.9	Thin sheet material – standard test procedure		N/A
	Electric strength test	(see appended table 2.10.5)	_
2.10.5.10	Thin sheet material – alternative test procedure		N/A
	Electric strength test	(see appended table 2.10.5)	_
2.10.5.11	Insulation in wound components		N/A
2.10.5.12	Wire in wound components		N/A
	Working voltage:		N/A
	a) Basic insulation not under stress:		N/A
	b) Basic, supplemetary, reinforced insulation:		N/A
	c) Compliance with Annex U:		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Two wires in contact inside wound component; angle between 45° and 90°:		N/A
2.10.5.13	Wire with solvent-based enamel in wound components		N/A
	Electric strength test	(see appended table 2.10.5)	_
	Routine test		N/A
2.10.5.14	Additional insulation in wound components		N/A
	Working voltage		N/A
	- Basic insulation not under stress:		N/A
	- Supplemetary, reinforced insulation:		N/A
2.10.6	Construction of printed boards		N/A
2.10.6.1	Uncoated printed boards	(see appended table 2.10.3 and 2.10.4)	N/A
2.10.6.2	Coated printed boards	(see appended table 2.10.3 and 2.10.4)	N/A
2.10.6.3	Insulation between conductors on the same inner surface of a printed board	(see appended table 2.10.3 and 2.10.4)	N/A
2.10.6.4	Insulation between conductors on different layers of a printed board		N/A
	Distance through insulation	(see appended table 2.10.5)	N/A
	Number of insulation layers (pcs)		N/A
2.10.7	Component external terminations	(see appended table 2.10.3 and 2.10.4)	N/A
2.10.8	Tests on coated printed boards and coated components		N/A
2.10.8.1	Sample preparation and preliminary inspection		N/A
2.10.8.2	Thermal conditioning		N/A
2.10.8.3	Electric strength test	(see appended table 5.2)	N/A
2.10.8.4	Abrasion resistance test		N/A
2.10.9	Thermal cycling		N/A
2.10.10	Test for Pollution Degree 1 environment and insulating compound	Not for pollution Degree 1.	N/A
2.10.11	Tests for semiconductor devices and cemented joints		N/A
2.10.12	Enclosed and sealed parts		N/A

Unit is Power Over Ethernet

N/A

N/A

N/A

N/A

	EN 60950-1		
Clause	Requirement + Test	Result - Remark	Verdict
3	WIRING, CONNECTIONS AND SUPPLY		Р
3.1	General		Р
3.1.1	Current rating and overcurrent protection	No internal wiring	N/A
3.1.2	Protection against mechanical damage	No wire ways.	N/A
3.1.3	Securing of internal wiring	No internal wiring	N/A
3.1.4	Insulation of conductors	(see appended table 5.2)	N/A
3.1.5	Beads and ceramic insulators		N/A
3.1.6	Screws for electrical contact pressure		N/A
3.1.7	Insulating materials in electrical connections	Functional Insulation.	Р
3.1.8	Self-tapping and spaced thread screws	No screws.	N/A
3.1.9	Termination of conductors	No terminations.	N/A
	10 N pull test		N/A
3.1.10	Sleeving on wiring		N/A
3.2	Connection to a mains supply Equipment is not directly connected to mains.		Р
3.2.1	Means of connection		Р
3.2.1.1	Connection to an a.c. mains supply		N/A
3.2.1.2	Connection to a d.c. mains supply	Not connected to a DC mains Supply	N/A
3.2.2	Multiple supply connections		N/A
3.2.3	Permanently connected equipment		N/A
	Number of conductors, diameter of cable and conduits (mm):		_
3.2.4	Appliance inlets	No appliance inlets.	N/A
3.2.5	Power supply cords	DC unit	N/A
3.2.5.1	AC power supply cords	DC unit	N/A
	Type:		_
	Rated current (A), cross-sectional area (mm²),		_

Cord guards

DC power supply cords

Cord anchorages and strain relief

Protection against mechanical damage

3.2.5.2

3.2.6

3.2.7

3.2.8

	EN 60950-1		
Clause	Requirement + Test	Result - Remark	Verdict
	Diameter or minor dimension D (mm); test mass (g)		_
	Radius of curvature of cord (mm)		_
3.2.9	Supply wiring space		N/A
3.3	Wiring terminals for connection of external conductor	rs	N/A
3.3.1	Wiring terminals	No wiring terminal.	N/A
3.3.2	Connection of non-detachable power supply cords		N/A
3.3.3	Screw terminals		N/A
3.3.4	Conductor sizes to be connected		N/A
	Rated current (A), cord/cable type, cross-sectional area (mm²)		_
3.3.5	Wiring terminal sizes		N/A
	Rated current (A), type, nominal thread diameter (mm):		_
3.3.6	Wiring terminal design		N/A
3.3.7	Grouping of wiring terminals		N/A
3.3.8	Stranded wire		N/A
3.4	Disconnection from the mains supply	Not directly connected to mains	Р
3.4.1	General requirement		
3.4.2	Disconnect devices	Ethernet line.	P
3.4.3	Permanently connected equipment		N/A
3.4.4	Parts which remain energized		N/A
3.4.5	Switches in flexible cords		N/A
3.4.6	Number of poles - single-phase and d.c. equipment		N/A
3.4.7	Number of poles - three-phase equipment		N/A
3.4.8	Switches as disconnect devices		N/A
3.4.9	Plugs as disconnect devices		N/A
3.4.10	Interconnected equipment		N/A
3.4.11	Multiple power sources		N/A
3.5	Interconnection of equipment		Р
3.5.1	General requirements	SELV to SELV	Р
3.5.2	Types of interconnection circuits:	SELV to SELV	Р
3.5.3	ELV circuits as interconnection circuits	No ELV circuits.	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
3.5.4	Data ports for additional equipment		Р
4	PHYSICAL REQUIREMENTS	<u> </u>	Р
4.1	Stability		N/A
	Angle of 10°		N/A
	Test force (N):		N/A
4.2	Mechanical strength		Р
4.2.1	General	1- SELV circuit	Р
		2-No energy hazard, less than 15 VA	
4.2.2	Steady force test, 10 N		N/A
4.2.3	Steady force test, 30 N		N/A
4.2.4	Steady force test, 250 N		N/A
4.2.5	Impact test		N/A
	Fall test		N/A
	Swing test		N/A
4.2.6	Drop test; height (mm):	Not hand held.	N/A
4.2.7	Stress relief test		N/A
4.2.8	Cathode ray tubes	No CRT's.	N/A
	Picture tube separately certified:	(see separate test report or attached certificate)	N/A
4.2.9	High pressure lamps	No such lamps.	N/A
4.2.10	Wall or ceiling mounted equipment; force (N):		N/A
			1
4.3	Design and construction	1	Р
4.3.1	Edges and corners	Edges and corners are rounded and smooth.	Р
4.3.2	Handles and manual controls; force (N):	No handles.	N/A
4.3.3	Adjustable controls	No such controls.	N/A
4.3.4	Securing of parts	By screws.	Р
4.3.5	Connection by plugs and sockets		N/A
4.3.6	Direct plug-in equipment	Listed power supply.	Р
	Torque:		_
	Compliance with the relevant mains plug standard		N/A
4.3.7	Heating elements in earthed equipment	No heating elements.	N/A
4.3.8	Batteries	No Battery.	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- Overcharging of a rechargeable battery	No rechargeable battery	N/A
	- Unintentional charging of a non-rechargeable battery		N/A
	- Reverse charging of a rechargeable battery	No rechargeable battery	N/A
	- Excessive discharging rate for any battery		N/A
4.3.9	Oil and grease	No Internal wiring	N/A
4.3.10	Dust, powders, liquids and gases	Equipment does not produce dust	N/A
4.3.11	Containers for liquids or gases	No containers	N/A
4.3.12	Flammable liquids:	No flammable liquids	N/A
	Quantity of liquid (I):		N/A
	Flash point (°C)		N/A
4.3.13	Radiation	No radiation	N/A
4.3.13.1	General		N/A
4.3.13.2	Ionizing radiation		N/A
	Measured radiation (pA/kg):		_
	Measured high-voltage (kV)		_
	Measured focus voltage (kV):		_
	CRT markings:		_
4.3.13.3	Effect of ultraviolet (UV) radiation on materials		N/A
	Part, property, retention after test, flammability classification:		N/A
4.3.13.4	Human exposure to ultraviolet (UV) radiation:		N/A
4.3.13.5	Laser (including LEDs)		N/A
	Laser class:		_
4.3.13.6	Other types:		N/A

4.4	Protection against hazardous moving parts	
	No such hazardous moving part	ts
4.4.1	General	N/A
4.4.2	Protection in operator access areas:	N/A
4.4.3	Protection in restricted access locations:	N/A
4.4.4	Protection in service access areas	N/A

4.5	Thermal requirements		Р
4.5.1	General	Test conducted.	Р
4.5.2	Temperature tests		Р

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Clause	Requirement + Test	Result - Remark	Verdict
	Normal load condition per Annex L:		_
4.5.3	Temperature limits for materials	(see appended table 4.5)	Р
4.5.4	Touch temperature limits	(see appended table 4.5)	N/A
4.5.5	Resistance to abnormal heat:	(see appended table 4.5.5)	N/A
	Ta		
4.6	Openings in enclosures	T	Р
4.6.1	Top and side openings	No openings in the eclosure.	Р
	Dimensions (mm)		_
4.6.2	Bottoms of fire enclosures	Complete with no openings.	Р
	Construction of the bottomm, dimensions (mm):		—
4.6.3	Doors or covers in fire enclosures	No such doors or covers.	N/A
4.6.4	Openings in transportable equipment	Complete with no openings.	Р
4.6.4.1	Constructional design measures		Р
	Dimensions (mm)		_
4.6.4.2	Evaluation measures for larger openings	Complete with no openings.	Р
4.6.4.3	Use of metallized parts		N/A
4.6.5	Adhesives for constructional purposes	No adhesives.	N/A
	Conditioning temperature (°C), time (weeks):		_
			1
4.7	Resistance to fire		Р
4.7.1	Reducing the risk of ignition and spread of flame	Listed power supply, output less than 15 VA. Electrical enclosure.	Р
	Method 1, selection and application of components wiring and materials	(see appended table 4.7)	Р
	Method 2, application of all of simulated fault condition tests	(see appended table 5.3)	N/A
4.7.2	Conditions for a fire enclosure	Less than 15 VA	Р
4.7.2.1	Parts requiring a fire enclosure		N/A
4.7.2.2	Parts not requiring a fire enclosure	Connectors filling holes in the enclosure.	Р
4.7.3	Materials	•	Р
4.7.3.1	General	The propagation of fire is limited through the selection of materials.	Р
4.7.3.2	Materials for fire enclosures	Listed power supply.	Р

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Clause	Requirement + Test	Result - Remark	Verdict	
4.7.3.3	Materials for components and other parts outside fire enclosures	Components are mounted on the PWB rated 94V-0.	Р	
4.7.3.4	Materials for components and other parts inside fire enclosures	Part of listed power supply.	Р	
4.7.3.5	Materials for air filter assemblies	No air filter	N/A	
4.7.3.6	Materials used in high-voltage components	No high-voltage components.	N/A	
5	ELECTRICAL REQUIREMENTS AND SIMULATED	ARNODMAL CONDITIONS	NI/A	

5	ELECTRICAL REQUIREMENTS AND SIMULATED ABNORMAL CONDITIONS		N/A
5.1	Touch current and protective conductor current		N/A
5.1.1	General	Unit is DC powered.	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	Test procedure		N/A
5.1.6	Test measurements		N/A
	Supply voltage (V):		_
	Measured touch current (mA)		_
	Max. allowed touch current (mA)		_
	Measured protective conductor current (mA):		_
	Max. allowed protective conductor current (mA):		_
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
	Supply voltage (V)		_
	Measured touch current (mA):		_
	Max. allowed touch current (mA)		_
5.1.8.2	Summation of touch currents from telecommunication networks		N/A

N/A

N/A

N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	a) EUT with earthed telecommunication ports:		N/A
	b) EUT whose telecommunication ports have no reference to protective earth		N/A
5.2	Electric strength		N/A
5.2.1	General	(see appended table 5.2)	N/A
5.2.2	Test procedure		N/A
5.3	Abnormal operating and fault conditions		N/A
5.3.1	Protection against overload and abnormal operation	(see appended table 5.3)	N/A
5.3.2	Motors	(see appended Annex B)	N/A
5.3.3	Transformers	(see appended Annex C)	N/A
5.3.4	Functional insulation:		N/A
5.3.5	Electromechanical components		N/A
5.3.6	Audio amplifiers in ITE		N/A
5.3.7	Simulation of faults		N/A
5.3.8	Unattended equipment		N/A

Compliance criteria for abnormal operating and

fault conditions

During the tests

After the tests

5.3.9

5.3.9.1

5.3.9.2

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Clause	Requirement + Test	Result - Remark	Verdict
6	CONNECTION TO TELECOMMUNICATION NETWORKS		N/A
	No connection to Telecommunication Networks.		
6.1	Protection of telecommunication network service pe equipment connected to the network, from hazards		N/A
6.1.1	Protection from hazardous voltages		N/A
6.1.2	Separation of the telecommunication network from	earth	N/A
6.1.2.1	Requirements	(see appended table 5.2)	N/A
	Supply voltage (V):		_
	Current in the test circuit (mA)		_
6.1.2.2	Exclusions		N/A
6.2	Protection of equipment users from overvoltages or	n telecommunication networks	N/A
6.2.1	Separation requirements		N/A
6.2.2	Electric strength test procedure		N/A
6.2.2.1	Impulse test	(see appended table 5.2)	N/A
6.2.2.2	Steady-state test	(see appended table 5.2)	N/A
6.2.2.3	Compliance criteria		N/A
6.3	Protection of the telecommunication wiring system f	from overheating	N/A
	Max. output current (A):		_
	Current limiting method:		_

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Clause	Requirement + Test	Result - Remark	Verdict		
7	CONNECTION TO CABLE DISTRIBUTION SYSTE	MS	N/A		
	No connection	n to Cabel Distribution Systems.			
7.1	General		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		N/A		
7.3	Protection of equipment users from overvoltages on the cable distribution system		N/A		
7.4	Insulation between primary circuits and cable distribution systems		N/A		
7.4.1	General		N/A		
7.4.2	Voltage surge test	(see appended table 5.2)	N/A		
7.4.3	Impulse test	(see appended table 5.2)	N/A		

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Clause	Requirement + Test	Result - Remark	Verdict
Α	ANNEX A, TESTS FOR RESISTANCE TO HEAT A	ANNEX A, TESTS FOR RESISTANCE TO HEAT AND FIRE	
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) Plastic enclosure. Electrical enclosure.		N/A
A.1.1	Samples:		_
	Wall thickness (mm):		_
A.1.2	Conditioning of samples; temperature (°C):		N/A
A.1.3	Mounting of samples:		N/A
A.1.4	Test flame (see IEC 60695-11-3)		N/A
	Flame A, B, C or D:		_
A.1.5	Test procedure		N/A
A.1.6	Compliance criteria		N/A
	Sample 1 burning time (s)		_
	Sample 2 burning time (s)		_
	Sample 3 burning time (s):		_
A.2	Flammability test for fire enclosures of movable equipment having a total mass not exceeding 18 kg, and for material and components located inside fire enclosures (see 4.7.3.2 and 4.7.3.4)		N/A
A.2.1	Samples, material:		_
	Wall thickness (mm):		_
A.2.2	Conditioning of samples; temperature (°C):		N/A
A.2.3	Mounting of samples:		N/A
A.2.4	Test flame (see IEC 60695-11-4)		N/A
	Flame A, B or C		_
A.2.5	Test procedure		N/A
A.2.6	Compliance criteria		N/A
	Sample 1 burning time (s):		_
	Sample 2 burning time (s)		_
	Sample 3 burning time (s)		_
A.2.7	Alternative test acc. to IEC 60695-11-5, cl. 5 and 9		N/A
	Sample 1 burning time (s):		_
	Sample 2 burning time (s)		_
	Sample 3 burning time (s):		_
A.3	Hot flaming oil test (see 4.6.2)		N/A
A.3.1	Mounting of samples		N/A
A.3.2	Test procedure		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
A.3.3	Compliance criterion		N/A

В	ANNEX B, MOTOR TESTS UNDER ABNORMAL CONDITIONS (see 4.7.2.2 and 5.3.2)		N/A
		No motors	
B.1	General requirements		N/A
	Position		_
	Manufacturer		
	Type:		_
	Rated values		
B.2	Test conditions		N/A
B.3	Maximum temperatures	(see appended table 5.3)	N/A
B.4	Running overload test	(see appended table 5.3)	N/A
B.5	Locked-rotor overload test		N/A
	Test duration (days):		_
	Electric strength test: test voltage (V):		
B.6	Running overload test for d.c. motors in secondary circuits		N/A
B.6.1	General		N/A
B.6.2	Test procedure		N/A
B.6.3	Alternative test procedure		N/A
B.6.4	Electric strength test; test voltage (V):		N/A
B.7	Locked-rotor overload test for d.c. motors in secondary circuits		N/A
B.7.1	General		N/A
B.7.2	Test procedure		N/A
B.7.3	Alternative test procedure		N/A
B.7.4	Electric strength test; test voltage (V):		N/A
B.8	Test for motors with capacitors	(see appended table 5.3)	N/A
B.9	Test for three-phase motors	(see appended table 5.3)	N/A
B.10	Test for series motors		N/A
	Operating voltage (V)		

Ī	С	ANNEX C, TRANSFORMERS (see 1.5.4 and 5.3.3)		
		No transormers outside the AC Listed Power Supply		
		Position:		_

	EN 60950-1	1	T
Clause	Requirement + Test	Result - Remark	Verdict
	Manufacturer		
	Type:		_
	Rated values:		
	Method of protection:		_
C.1	Overload test	(see appended table 5.3)	N/A
C.2	Insulation	(see appended table 5.2)	N/A
	Protection from displacement of windings:		N/A
D	ANNEX D, MEASURING INSTRUMENTS FOR TOO (see 5.1.4)	JCH-CURRENT TESTS C Equipment. Less than 48VDC.	N/A
D.1	Measuring instrument		N/A
D.2	Alternative measuring instrument		N/A
E	ANNEX E, TEMPERATURE RISE OF A WINDING	(see 1.4.13)	N/A
F	ANNEX F, MEASUREMENT OF CLEARANCES AN (see 2.10 and Annex G)	ID CREEPAGE DISTANCES	N/A
G	ANNEX G, ALTERNATIVE METHOD FOR DETERI	MINING MINIMUM	N/A
G.1	Clearances		N/A
G.1.1	General		N/A
G.1.2	Summary of the procedure for determining minimum clearances		N/A
G.2	Determination of mains transient voltage (V)		N/A
G.2.1	AC mains supply		N/A
G.2.2	Earthed d.c. mains supplies:		N/A
G.2.3	Unearthed d.c. mains supplies		N/A
G.2.4	Battery operation		N/A
G.3	Determination of telecommunication network transient voltage (V):		N/A
G.4	Determination of required withstand voltage (V)	_	N/A
G.4.1	Mains transients and internal repetitive peaks:		N/A
G.4.2	Transients from telecommunication networks:		N/A
G.4.3	Combination of transients		N/A
G.4.4	Transients from cable distribution systems		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
G.5	Measurement of transient voltages (V)		N/A
	a) Transients from a mains supply		N/A
	For an a.c. mains supply		N/A
	For a d.c. mains supply		N/A
	b) Transients from a telecommunication network		N/A
G.6	Determination of minimum clearances:		N/A
Н	ANNEX H, IONIZING RADIATION (see 4.3.13)	No radiation	N/A
J	ANNEX J, TABLE OF ELECTROCHEMICAL POTE	NTIALS (see 2.6.5.6)	N/A
	Metal(s) used		_
K	ANNEX K, THERMAL CONTROLS (see 1.5.3 and 8	5.3.8) No such equipments	N/A
K.1	Making and breaking capacity	140 Such Equipments	N/A
K.2	Thermostat reliability; operating voltage (V):		N/A
K.3	Thermostat endurance test; operating voltage (V)		N/A
K.4	Temperature limiter endurance; operating voltage (V):		N/A
K.5	Thermal cut-out reliability		N/A
K.6	Stability of operation	(see appended table 5.3)	N/A
L	ANNEX L, NORMAL LOAD CONDITIONS FOR SO BUSINESS EQUIPMENT (see 1.2.2.1 and 4.5.2)	ME TYPES OF ELECTRICAL	Р
L.1	Typewriters		N/A
L.2	Adding machines and cash registers		N/A
L.3	Erasers		N/A
L.4	Pencil sharpeners		N/A
L.5	Duplicators and copy machines		N/A
L.6	Motor-operated files		N/A
L.7	Other business equipment		Р
M	ANNEX M, CRITERIA FOR TELEPHONE RINGING	S SIGNALS (see 2.3.1) No TNV Circuitry	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
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)		_
M.3.1.2	Voltage (V)		_
M.3.1.3	Cadence; time (s), voltage (V):		_
M.3.1.4	Single fault current (mA):		_
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
N	ANNEX N, IMPULSE TEST GENERATORS (see 1. 7.3.2, 7.4.3 and Clause G.5)	5.7.2, 1.5.7.3, 2.10.3.9, 6.2.2.1, No TNV Circuitry	N/A
N.1	ITU-T impulse test generators	,	N/A
N.2	IEC 60065 impulse test generator		N/A
Р	ANNEX P, NORMATIVE REFERENCES	Informative.	_
Q	ANNEX Q, Voltage dependent resistors (VDRs) (see	e 1.5.9.1) No VDRs	N/A
	a) Preferred climatic categories:		N/A
	b) Maximum continuous voltage:		N/A
	c) Pulse current:		N/A
R	ANNEX R, EXAMPLES OF REQUIREMENTS FOR PROGRAMMES	QUALITY CONTROL	N/A
R.1	Minimum separation distances for unpopulated coated printed boards (see 2.10.6.2)		N/A
R.2	Reduced clearances (see 2.10.3)		N/A
S	ANNEX S, PROCEDURE FOR IMPULSE TESTING	(see 6.2.2.3) No TNV Circuitry	N/A
S.1	Test equipment	ondary	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
S.2	Test procedure		N/A
S.3	Examples of waveforms during impulse testing		N/A
Т	ANNEX T, GUIDANCE ON PROTECTION AGAINS (see 1.1.2)	T INGRESS OF WATER	N/A
		See separate test report	_
U	ANNEX U, INSULATED WINDING WIRES FOR USINSULATION (see 2.10.5.4)	E WITHOUT INTERLEAVED	N/A
		See separate test report	_
V	ANNEX V, AC POWER DISTRIBUTION SYSTEMS	(see 1.6.1) DC equipment	N/A
V.1	Introduction		N/A
V.2	TN power distribution systems		N/A
W	ANNEX W, SUMMATION OF TOUCH CURRENTS	DC equipment	N/A
W.1	Touch current from electronic circuits		N/A
W.1.1	Floating circuits		N/A
W.1.2	Earthed circuits		N/A
W.2	Interconnection of several equipments		N/A
W.2.1	Isolation		N/A
W.2.2	Common return, isolated from earth		N/A
W.2.3	Common return, connected to protective earth		N/A
Х	ANNEX X, MAXIMUM HEATING EFFECT IN TRANSC.1) No transformers part	SFORMER TESTS (see clause of investigation. DC equipment.	N/A
X.1	Determination of maximum input current	<u> </u>	N/A
X.2	Overload test procedure		N/A
Υ	ANNEX Y, ULTRAVIOLET LIGHT CONDITIONING	TEST (see 4.3.13.3) No UV	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

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Clause	Requirement + Test	Result - Remark	Verdict
Z	ANNEX Z, OVERVOLTAGE CATEGORIES	S (see 2.10.3.2 and Clause G.2)	N/A
		DC equipmen	t
AA	ANNEX AA, MANDREL TEST (see 2.10.5.3	8)	N/A
ВВ	ANNEX BB, CHANGES IN THE SECOND	EDITION	_

	EN 60950-1		
Clause	Requirement + Test	Result - Remark	Verdict

	EN 60950-1:2006	- CENELEC COMMON	MODIFICATIONS	
Contents	Add the following annexes:			Р
	Annex ZA (normative) with their corresponding Euro		es to international publications	
	Annex ZB (normative)	Special national con	nditions	
	Annex ZC (informative) A-	deviations		
General	Delete all the "country" notes list:	in the reference docume	ent according to the following	Р
	1.5.8 Note 2 1 2.2.3 Note 2 2.3.2.1 Note 2 2.7.1 Note 2 2.7.1 Note 3 3.2.1.1 Note 3 4.3.6 Note 1 & 2 4.7.3.1 Note 2 6 Note 2 & 5 6.2.2 Note 6. 7.1 Note 3	.5.1 Note 2 & 3 .5.9.4 Note .2.4 Note .3.3.4 Note 2 .10.3.2 Note 2 .2.4 Note 3 .7 Note 4 .1.7.1 Note 3 & 4 .1.2.1 Note 2 .2.2.1 Note 2 .2.2 Note .1.2.1 Note 2 .2.2 Note	1.5.7.1 Note 1.7.2.1 Note 4, 5 & 6 2.3.2 Note 2.6.3.3 Note 2 & 3 2.10.5.13 Note 3 2.5.1 Note 2 4.7.2.2 Note 5.3.7 Note 1 6.1.2.2 Note 6.2.2.2 Note 7.3 Note 1 & 2	
1.3.Z1	Add the following subclause:			N/A
	1.3.Z1 Exposure to excessive	sound pressure		
	The apparatus shall be so de- used for its intended purpose conditions, particularly provid pressures from headphones of NOTE Z1 A new method of meas equipment: Headphones and earphones ass pressure level measurement met "one package equipment", and in earphones associated with portal	signed and constructed and constructed and either in normal operation against export earphones. Surement is described in Entrodology and limit consider EN 50332-2, Sound system ble audio equipment - Maxilimit considerations - Part 2	equipment - Maximum sound rations - Part 1: General method for m equipment: Headphones and	
1.5.1	Add the following NOTE:			N/A
	NOTE Z1 The use of certain sub within the EU: see Directive 2002		ectronic equipment is restricted	
1.7.2.1	Add the following NOTE:			N/A
	NOTE Z1 In addition, the instruct excessive sound pressure from e			

	EN 60950-1		
Clause	Requirement + Test	Result - Remark	Verdict

	•		
	EN 60950-1:2006 - CENELEC COMMON MODIFICATIONS		
2.7.1	Replace the subclause as follows:	N/A	
	Basic requirements		
	To protect against excessive current, short-circuits and earth faults in PRIMARY CIRCUITS, protective devices shall be included either as integral parts of the equipment or as parts of the building installation, subject to the following, a), b) and c):		
	a) except as detailed in b) and c), protective devices necessary to comply with the requirements of 5.3 shall be included as parts of the equipment;		
	b) for components in series with the mains input to the equipment such as the supply cord, appliance coupler, r.f.i. filter and switch, short-circuit and earth fault protection may be provided by protective devices in the building installation;		
	c) it is permitted for PLUGGABLE EQUIPMENT TYPE B or PERMANENTLY CONNECTED EQUIPMENT, to rely on dedicated overcurrent and short-circuit protection in the building installation, provided that the means of protection, e.g. fuses or circuit breakers, is fully specified in the installation instructions.		
	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 as providing protection in accordance with the rating of the wall socket outlet.		
2.7.2	This subclause has been declared 'void'.		
3.2.3	Delete the NOTE in Table 3A, and delete also in this table the conduit sizes in parentheses.		
3.2.5.1	Replace "60245 IEC 53" by "H05 RR-F"; "60227 IEC 52" by "H03 VV-F or H03 VVH2-F"; "60227 IEC 53" by "H05 VV-F or H05 VVH2-F2".	N/A	
	In Table 3B, replace the first four lines by the following:		
	Up to and including 6		
	In the conditions applicable to Table 3B delete the words "in some countries" in condition ^{a)} .		
	In NOTE 1, applicable to Table 3B, delete the second sentence.		
3.3.4	In Table 3D, delete the fourth line: conductor sizes for 10 to 13 A, and replace with the following:	N/A	
	Over 10 up to and including 16 1,5 to 2,5 1,5 to 4		
	Delete the fifth line: conductor sizes for 13 to 16 A.		
4.3.13.6	Add the following NOTE:	N/A	
	NOTE Z1 Attention is drawn to 1999/519/EC: Council Recommendation on the limitation of exposure of the general public to electromagnetic fields 0 Hz to 300 GHz. Standards taking into account this Recommendation which demonstrate compliance with the applicable EU Directive are indicated in the OJEC.		

Clause Requirement + Test Result - Remark EN 60950-1:2006 – CENELEC COMMON MODIFICATIONS 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 shall not exceed 1 μSv/h (0,1 mR/h) (see NOTE). Account is taken of the background level. Replace the notes as follows: 	Verdict N/A
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 shall not exceed 1 µSv/h (0,1 mR/h) (see NOTE). Account is taken of the background level. Replace the notes as follows:	N/A
At any point 10 cm from the surface of the OPERATOR ACCESS AREA, the dose rate shall not exceed 1 μ Sv/h (0,1 mR/h) (see NOTE). Account is taken of the background level. Replace the notes as follows:	N/A
rate shall not exceed 1 μSv/h (0,1 mR/h) (see NOTE). Account is taken of the background level. Replace the notes as follows:	14// 1
NOTE These values appear in Directive 96/29/Euratom.	
Delete NOTE 2.	
Biblio- Additional EN standards. graphy	_
ZA NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH THEIR CORRESPONDING EUROPEAN PUBLICATIONS	_
ZB SPECIAL NATIONAL CONDITIONS	N/A
In Denmark , certain types of Class I appliances (see 3.2.1.1) may be provided with plug not establishing earthing conditions when inserted into Danish socket-outlets.	a N/A
1.5.7.1 In Finland , Norway and Sweden , resistors bridging BASIC INSULATION in CLASS PLUGGABLE EQUIPMENT TYPE A must comply with the requirements in 1.5.7.2.	S I N/A
In Norway , 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).	N/A
1.5.9.4 In Finland , Norway and Sweden , the third dashed sentence is applicable only to equipment as defined in 6.1.2.2 of this annex.	N/A
In Finland , Norway and Sweden , 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.	N/A
The marking text in the applicable countries shall be as follows:	
In Finland: "Laite on liitettävä suojamaadoituskoskettimilla varustettuun pistorasiaar	"
In Norway: "Apparatet må tilkoples jordet stikkontakt"	
In Sweden: "Apparaten skall anslutas till jordat uttag"	
In Denmark , socket-outlets for providing power to other equipment shall be in accordance with the Heavy Current Regulations, Section 107-2-D1, Standard Shee DK 1-3a, DK 1-5a or DK 1-7a, when used on Class I equipment. For STATIONARY EQUIPMENT the socket-outlet shall be in accordance with Standard Sheet DK 1-1b or DK 1-5a.	
2.2.4 In Norway , for requirements see 1.7.2.1, 6.1.2.1 and 6.1.2.2 of this annex.	N/A
2.3.2 In Finland , Norway and Sweden there are additional requirements for the insulation See 6.1.2.1 and 6.1.2.2 of this annex.	n. N/A
2.3.4 In Norway , for requirements see 1.7.2.1, 6.1.2.1 and 6.1.2.2 of this annex.	N/A

	EN 60950-1		
Clause	Requirement + Test	Result - Remark	Verdict

EN 60950-1:2006 - CENELEC COMMON MODIFICATIONS		
In the United Kingdom , the current rating of the circuit shall be taken as 13 A, not 16 A.		N/A
In the United Kingdom , to protect against excessive currents and short-circuits in the PRIMARY CIRCUIT of DIRECT PLUG-IN EQUIPMENT, tests according to 5.3 shall be conducted, using an external protective device rated 30 A or 32 A. If these tests fail, suitable protective devices shall be included as integral parts of the DIRECT PLUG-IN EQUIPMENT, so that the requirements of 5.3 are met.		N/A
In Finland , Norway and Sweden , there are additional requirements for the insulation, see 6.1.2.1 and 6.1.2.2 of this annex.		
1.1 In Switzerland , supply cords of equipment having a RATED CURRENT not exceeding 10 A shall be provided with a plug complying with SEV 1011 or IEC 60884 1 and one of the following dimension sheets:		
SEV 6533-2.1991 Plug Type 11 L+	N 250 V, 10 A	
In general, EN 60309 applies for plugs for currents exceeding 10 A. However, a 16 A plug and socket-outlet system is being introduced in Switzerland, the plugs of which are according to the following dimension sheets, published in February 1998:		
SEV 5933-2.1998 Plug Type 21 L+	N 250 V, 16 Å	
		N/A
CLASS I EQUIPMENT provided with socket-outlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the wiring rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.		
exceeding 13 A is provided with a supply of	ord with a plug, this plug shall be in	
		N/A
intended to be used in locations where prof	tection against indirect contact is required	
If poly-phase equipment is provided with a in accordance with UNE-EN 60309-2.	supply cord with a plug, this plug shall be	
	In the United Kingdom, the current rating A. In the United Kingdom, to protect against PRIMARY CIRCUIT of DIRECT PLUG-IN E be conducted, using an external protective fail, suitable protective devices shall be inc PLUG-IN EQUIPMENT, so that the require In Finland, Norway and Sweden, there are see 6.1.2.1 and 6.1.2.2 of this annex. In Switzerland, supply cords of equipment exceeding 10 A shall be provided with a plu 1 and one of the following dimension sheet 1 sev 6532-2.1991 Plug Type 15 SEV 6533-2.1991 Plug Type 11 L+SEV 6534-2.1991 Plug Type 12 L+In general, EN 60309 applies for plugs for plug and socket-outlet system is being intra are according to the following dimension sheet SEV 5932-2.1998 Plug Type 25 SEV 5933-2.1998 Plug Type 25 SEV 5934-2.1998 Plug Type 21 L+SEV 5934-2.1998 Plug Type 23 L+SEV 5934-2.1998 Plug Type 24 L+SEV 5934-2.1998 Plug Type 25 SEV 5934-2.1998 Plug Type 26 L+SEV 5934-2.1998 Plug Type 27 L+SEV 5934-2.1998 Plug Type 28 L+SEV 5934-2.1998 Plug Type 29 L+SEV 5934-2.1998 Plug Type 21 L+SEV 5934-2.1999 Plug Type 21 L+SEV 5934-2.1999 Plug Type 21 L+SEV 5934-2.1999 Plug Type 21	In the United Kingdom , the current rating of the circuit shall be taken as 13 A, not 16 A. In the United Kingdom , to protect against excessive currents and short-circuits in the PRIMARY CIRCUIT of DIRECT PLUG-IN EQUIPMENT, tests according to 5.3 shall be conducted, using an external protective device rated 30 A or 32 A. If these tests fail, suitable protective devices shall be included as integral parts of the DIRECT PLUG-IN EQUIPMENT, so that the requirements of 5.3 are met. In Finland, Norway and Sweden , there are additional requirements for the insulation, see 6.1.2.1 and 6.1.2.2 of this annex. In Switzerland , supply cords of equipment having a RATED CURRENT not exceeding 10 A shall be provided with a plug complying with SEV 1011 or IEC 60884-1 and one of the following dimension sheets: SEV 6532-2.1991 Plug Type 15 3P+N+PE 250 V, 10 A SEV 6532-2.1991 Plug Type 15 3P+N+PE 250 V, 10 A SEV 6534-2.1991 Plug Type 12 L+N+PE 250 V, 10 A In general, EN 60309 applies for plugs for currents exceeding 10 A. However, a 16 A plug and socket-outlet system is being introduced in Switzerland, the plugs of which are according to the following dimension sheets, published in February 1998: SEV 5932-2.1998 Plug Type 25 3L+N+PE 230/400 V, 16 A SEV 5933-2.19998 Plug Type 21 L+N 250 V, 16 A SEV 5933-2.19998 Plug Type 21 L+N 250 V, 16 A SEV 5934-2.1999 Plug Type 23 L+N+PE 250 V, 16 A SEV 5934-2.1999 Plug Type 23 L+N+PE 250 V, 16 A SEV 5934-2.1998 Plug Type 23 L+N+PE 250 V, 16 A SEV 5934-2.1998 Plug Type 23 L+N+PE 250 V, 16 A SEV 5934-2.1998 Plug Type 23 L+N+PE 250 V, 16 A SEV 5934-2.1998 Plug Type 23 L+N+PE 250 V, 16 A SEV 5934-2.1998 Plug Type 27 L+N+PE 250 V, 16 A SEV 5934-2.1998 Plug Type 27 L+N+PE 250 V, 16 A SEV 5934-2.1998 Plug Type 27 L+N+PE 250 V, 16 A SEV 5934-2.1998 Plug Type 27 L+N+PE 250 V, 16 A SEV 5934-2.1998 Plug Type 27 L+N+PE 250 V, 16 A SEV 5934-2.1998 Plug Type 27 L+N+PE 250 V, 16 A SEV 5934-2.1998 Plug Type 27 L+N+PE 250 V, 16 A SEV 5934-2.1998 Plug Type 27 L+N+PE 250 V, 16 A S

	EN 60950-1		
Clause	Requirement + Test	Result - Remark	Verdict
	EN 60950-1:2006 – CENELEC COMM	ON MODIFICATIONS	
3.2.1.1	In the United Kingdom , apparatus which is fitted of designed to be connected to a mains socket conformation of flexible cable or cord and plug, shall be fitted with a Statutory Instrument 1768:1994 - The Plugs and S 1994, unless exempted by those regulations.	rming to BS 1363 by means of that a 'standard plug' in accordance with	N/A
	NOTE 'Standard plug' is defined in SI 1768:1994 and es conforming to BS 1363 or an approved conversion plug.	sentially means an approved plug	
3.2.1.1	In Ireland , 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 Use) Regulations 1997.		N/A
3.2.4	In Switzerland, for requirements see 3.2.1.1 of this annex.		N/A
3.2.5.1	In the United Kingdom , a power supply cord with conductor of 1,25 mm2 is allowed for equipment with a rated current over 10 A and up to and including 13 A.		N/A
3.3.4	In the United Kingdom , 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:		N/A
	• 1,25 mm ² to 1,5 mm ² nominal cross-sectional are	ea.	
4.3.6	In the United Kingdom , 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.		N/A
4.3.6	In Ireland , 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.		N/A
5.1.7.1	In Finland , Norway and Sweden TOUCH CURRE exceeding 3,5 mA r.m.s. are permitted only for the		N/A
	STATIONARY PLUGGABLE EQUIPMENT TYPE is intended to be used in a RESTRIC equipotential bonding has been applited telecommunication centre; and has provision for a permanently conn CONDUCTOR; and is provided with instructions for the in SERVICE PERSON;	TED ACCESS LOCATION where ed, for example, in a ected PROTECTIVE EARTHING	

• STATIONARY PLUGGABLE EQUIPMENT TYPE B;

• STATIONARY PERMANENTLY CONNECTED EQUIPMENT.

EN 60950-1			
Clause	Requirement + Test Result - Remark	Verdict	
EN 60950-1:2006 - CENELEC COMMON MODIFICATIONS			
6.1.2.1	In Finland , Norway and Sweden , add the following text between the first and second paragraph of the compliance clause:		
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either		
	 two layers of thin sheet material, each of which shall pass the electric strength test below, or 		
	- one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.		
	If this insulation forms part of a semiconductor component (e.g. an optocoupler), there is no distance through insulation requirement for the insulation consisting of an insulating compound completely filling the casing, so that CLEARANCES and CREEPAGE DISTANCES do not exist, if the component passes the electric strength test in accordance with the compliance clause below and in addition		
	 passes the tests and inspection criteria of 2.10.11 with an electric strength test of 1,5 kV multiplied by 1,6 (the electric strength test of 2.10.10 shall be performed using 1,5 kV), and 		
	 is subject to ROUTINE TESTING for electric strength during manufacturing, using a test voltage of 1,5 kV. 		
	It is permitted to bridge this insulation with a capacitor complying with EN 132400:1994, subclass Y2.		
	A capacitor classified Y3 according to EN 132400:1994, may bridge this insulation under the following conditions:		
	- the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 132400, which in addition to the Y3 testing, is tested with an impulse test of 2,5 kV defined in EN 60950-1:2006, 6.2.2.1;		
	 the additional testing shall be performed on all the test specimens as described in EN 132400; 		
	- the impulse test of 2,5 kV is to be performed before the endurance test in EN 132400, in the sequence of tests as described in EN 132400.		
6.1.2.2	In Finland , Norway and Sweden , the exclusions are applicable for PERMANENTLY CONNECTED EQUIPMENT, PLUGGABLE EQUIPMENT TYPE B and equipment intended to be used in a RESTRICTED ACCESS LOCATION where equipotential bonding has been applied, e.g. in a telecommunication centre, and which has provision for a permanently connected PROTECTIVE EARTHING CONDUCTOR and is provided with instructions for the installation of that conductor by a SERVICE PERSON.	N/A	
7.2	In Finland , Norway and Sweden , for requirements see 6.1.2.1 and 6.1.2.2 of this annex.	N/A	
	The term TELECOMMUNICATION NETWORK in 6.1.2 being replaced by the term CABLE DISTRIBUTION SYSTEM.		
7.3	In Norway and Sweden , there are many buildings where the screen of the coaxial cable is normally not connected to the earth in the building installation.	N/A	
7.3	In Norway , for installation conditions see EN 60728-11:2005.	N/A	
ZC	A-DEVIATIONS (informative)	N/A	

	EN 60950-1							
Clause	Requirement + Test	Result - Remark	Verdict					

Clause	Requirement + Test	verdict					
	EN 60950-1:2006 - CENELEC COMMON MODIFICATIONS						
1.5.1	Sweden (Ordinance 1990:944)	N/A					
	Add the following:						
	NOTE In Sweden, switches containing mercury are not permitted.						
1.5.1	Switzerland (Ordinance on environmentally hazardous substances SR 814.081, Annex 1.7, Mercury - Annex 1.7 of SR 814.81 applies for mercury.)	N/A					
	Add the following:						
	NOTE In Switzerland, switches containing mercury such as thermostats, relays and level controllers are not allowed.						
1.7.2.1	Denmark (Heavy Current Regulations)	N/A					
	Supply cords of CLASS I EQUIPMENT, which is delivered without a plug, must be provided with a visible tag with the following text:						
	Vigtigt! Lederen med grøn/gul isolation må kun tilsluttes en klemme mærket						
	If essential for the safety of the equipment, the tag must in addition be provided with a diagram, which shows the connection of the other conductors, or be provided with the following text:						
	"For tilslutning af de øvrige ledere, se medfølgende installationsvejledning."						
1.7.2.1	Germany (Gesetz über technische Arbeitsmittel und Verbraucherprodukte (Geräte- und Produktsicherheitsgesetz – GPSG) [Law on technical labour equipment and consumer products], of 6th January 2004, Section 2, Article 4, Clause (4), Item 2).	N/A					
	If for the assurance of safety and health certain rules during use, amending or maintenance of a technical labour equipment or readymade consumer product are to be followed, a manual in German language has to be delivered when placing the product on the market.						
	Of this requirement, rules for use even only by SERVICE PERSONS are not exempted.						
1.7.5	Denmark (Heavy Current Regulations)	N/A					
	With the exception of CLASS II EQUIPMENT provided with a socket outlet in accordance with the Heavy Current Regulations, Section 107-2-D1, Standard Sheet DK 1-4a, CLASS II EQUIPMENT shall not be fitted with socket-outlets for providing power to other equipment.						
1.7.13	Switzerland (Ordinance on chemical hazardous risk reduction SR 814.81, Annex 2.15 Batteries)						
	Annex 2.15 of SR 814.81 applies for batteries.						
5.1.7.1	Denmark (Heavy Current Regulations, Chapter 707, clause 707.4)	N/A					
	TOUCH CURRENT measurement results exceeding 3,5 mA r.m.s. are permitted only for PERMANENTLY CONNECTED EQUIPMENT and PLUGGABLE EQUIPMENT TYPE B.						
		J					

	EN 60950-1							
Clause	Requirement + Test	Result - Remark	Verdict					

TABLES							
1.5.1	TAE	BLE: List of critical	components				Р
Object/part No.		Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mai conf	rk(s) of ormity ¹)
Enclosure		Any		Plastic Enclosure. Electrical. No fire enclosure is necessary. All voltage levels within the unit are at 12VDC. 26.4 cm x 8 cm x 3cm. Outdoor UV Stabilized Plastic.	-		-
1) An asteris	k ind	licates a mark which	ch assures the agi	eed level of surve	illance		
Supplement	ary ii	nformation:					

EN 60950-1						
Clause	Requirement + Test	Result - Remark	Verdict			

1.6.2	TABLE: E	lectrical data	(in normal o	conditions)			Р		
U (V)	I (A)	Irated (A)	P (W)	Fuse #	Ifuse (A)	Condition/status			
B2 (2.4GHz)									
10.2	0.17	1	1.73			Normal Load			
12.0	0.17	1	2.04			Normal Load			
14.4	0.15	1	2.16			Normal Load			
B5(5GHz)									
10.2	0.20	1	2.04			Normal Load			
12.0	0.17	1	2.04			Normal Load			
14.4	0.15	1	2.16			Normal Load			
Supplemen	tary informa	ition:							

2.10.3 and 2.10.4	TABLE: Clearance	ABLE: Clearance and creepage distance measurements								
Clearance (cl) and creepage distance (cr) at/of/between: U peak U r.m.s. Required cl cl Required cr (mm) (mm)										
Functional:										
	12VDC 0.2 >0.2 0.4						>0.4			
Supplementary information:										

2.10.5	TABLE: Distance through insulation r	neasurem	ents			N/A
Distance thr	ough insulation (DTI) at/of:	U peak (V)	U rms (V)	Test voltage (V)	Required DTI (mm)	DTI (mm)
Supplement	ary information:					

				EN 60950	0-1				
Clause	Requirem	nent + Test				Result - Re	mark		Verdict
4.3.8	TABLE: I	Batteries							N/A
	The tests of 4.3.8 are applicable only when appropriate battery data is not available								
Is it possible	s it possible to install the battery in a reverse polarity position?								
	Non-re	chargeable	batteries			Rechargeal	ole batterie	es	
	Discharging		Un- intentional	Chai	rging	Disch	arging	_	ersed rging
	Meas. current	Manuf. Specs.	charging	Meas. current	Manuf. Specs.		Manuf. Specs.	Meas. current	Manuf. Specs.
Max. current during normal condition									
Max. current during fault condition									
						<u> </u>			
Test results									Verdict
- Chemical	leaks								
- Explosion	of the batt	ery							
- Emission	of flame or	expulsion	of molten met	al					
- Electric st	rength test	s of equipr	nent after com	pletion of	tests				
Supplemer	ntary inform	nation: No E	Batteries						

			ΕN	l 609	50-1							
Clause	Requirement + Test						Re	sult - R	emarl	k		Verdict
	†											1
4.5	TABLE: Thermal requir	ements										Р
	Supply voltage (V)		:	12	2							—
	Ambient T _{min} (°C)		:	23	3							_
	Ambient T _{max} (°C)		:	70)							_
Maximum r	Maximum measured temperature T of part/at::							T (°C	;)			Allowed
									T _{max} (°C)			
B2(2.4GHz)											
DC Input Connector				35	5	82						95
PWB				47	7	94						100
Enclosure –Top				26	3	73						95
Ambient				23	3	70						70
	Supplementary information: Temperature recorded in the second column is normalized with by adding 52 to each highest temperature recorded during test.											
ı	Operating temperature: 70°C. Ambient max 23°C. Normalized. 70°C - 23°C =47°C											
				(Ω)		(°C)		2 (Ω)	T (°		Allowed	Insulatio
·		,	·	· /	_	, ,		- ()	`	,	T _{max} (°C)	n class
Supplemen	tary information:											
4.5	TABLE: Thermal requir	romonte										Р
4.5	Supply voltage (V)		. [12	,							Г
				23								_
	Ambient T (°C)			70								
N4 i	Ambient T _{max} (°C)			70	,			T (0.0				
Maximum r	neasured temperature T	or part/at::						T (°C	;)			Allowed T _{max}
												(°C)
B5(5GHz)												
DC Input C	onnector			38	3	85						95
PWB				52	2	99						100
Enclosure -	-Тор			28	3	75						95
Ambient				23 70						70		
	tary information: Temper			in th	ie se	econd	colu	umn is	norm	alize	d with by a	dding 52
Operating t	emperature: 70°C. Ambi	ent max 23	3°C.	Norm	naliz	ed. 70	°C	- 23°C	=47	°C		
Temperatu	re T of winding:	t ₁ (°C)	R ₁	(Ω)	t ₂	(°C)	R	2 (Ω)	T (°	C)	Allowed T _{max} (°C)	Insulatio n class

			EN 60950-1				
Clause	Requirer	ment + Test		Result - Rem	ark		Verdict
Supplemen	tary inform	nation:					
4.5.5	TABLE: I	Ball pressure test of the	ermoplastic parts				N/A
	Allowed	impression diameter (m	nm):	≤ 2 mm			_
Part				Test tempe (°C)	rature Impre	ssior (mı	diameter m)
Supplement	tary inform	nation:					
Саррістіст	iary iiiioiii	iduoii.					
4.7	TABLE: I	Resistance to fire					N/A
	Part Manufacturer of Type of material				Flammability class	/ E	Evidence
Supplement	tary inform	nation: plastic enclosure	e. All voltage levels	are at 15VDC.			
5.2	TABLE: I	Electric strength tests, i	impulse tests and vo	oltage surge tes	sts		N/A
Test voltage	e applied b	petween:		Voltage shape (AC, DC, impulse, surge)			Breakdow n Yes / No
Functional:					·		
Basic/suppl	ementary:						
Reinforced:							
Kelillorcea.							
Supplemen	tary inform	nation: 15VDC Equipme	ent.		ı		
5.3	TABLE: I	Fault condition tests					N/A
	Ambient	temperature (°C)	:				_
		ource for EUT: Manufacting					_

	EN 60950-1										
Clause	Requirement + Te	st			Result	Verdict					
Component No.	Fault	Supply voltage (V)	Test time	Fuse #	Fuse current (A)		Observation				
Supplement	ary information: No	abnormal	tests nece	essary.							

List of test equipment used:

Compa Project	any Name	Ubiquiti Networks, Inc.		
# _		80983		
Model # of Unit		B2 and B5		
Project Engineer		Shaima Adin		
Date		Jan 23, 2009		
	MET Equipment #	Equipment	Calibration Due Date	
1	MET Equipment # 3U1002	AC/DC Current Probe	Calibration Due Date 2/14/2010	
1 5	• •		• • • • • • • • • • • • • • • • • • • •	
-	3U1002	AC/DC Current Probe	2/14/2010	
5	3U1002 3U1020	AC/DC Current Probe DMM	2/14/2010 2/14/2010	
5 10	3U1002 3U1020 3U1043	AC/DC Current Probe DMM Hexanes	2/14/2010 2/14/2010 FVBU	

^{*}NCR = No Calibration Required.

^{*}FVBU = Functional Verification Before Use. Instrument is used with calibrated instruments.

Enclosure 1: Other Country National Differences

Korea National Differences				
Clause	Requirement + Test	Result - Remark	Verdict	
1.5.101	Plugs for the connection of the apparatus to the supply mains shall comply with the Korean requirement (KSC 8305).		N/A	
8 : EMC	The apparatus shall comply with the relevant CISPR standards		N/A	

Enclosure 2: Photographs (Figures) and/or Illustrations

FIGURES

Figure 1: Overall view of the enclosure for B2 and B5





Enclosure 2: Photographs (Figures) and/or Illustrations **FIGURES (Continued)**

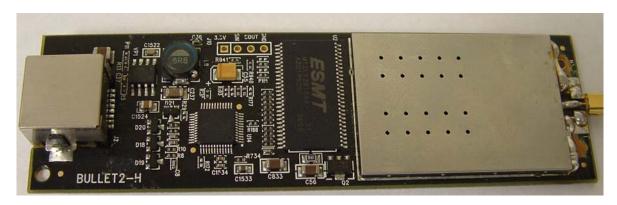
Figure 2: Overall Interior view of the enclosure for B2 and B5

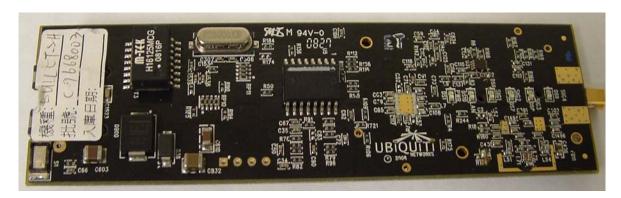




Enclosure 2: Photographs (Figures) and/or Illustrations **FIGURES (Continued)**

Figure 2: Overall view of B2





Enclosure 2: Photographs (Figures) and/or Illustrations **FIGURES (Continued)**

Figure 2: Overall view of B5

