

TEST REPORT IEC 60601-1-11 MEDICAL ELECTRICAL EQUIPMENT –

Part 1-11: General requirements for basic safety and essential performance – Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment

Report Number:	160100305SHA-002
Date of issue:	2016-05-19
Total number of pages	31
Name of Testing Laboratory preparing the Report:	Intertek Testing Services Shanghai Limited
Applicant's name:	GlobTek, Inc.
Address:	186 Veterans Dr. Northvale, NJ 07647 USA
Test specification:	
Standard:	IEC 60601-1-11:2015 (Second Edition) for use in conjunction with IEC 60601-1:2012 (Third Edition) + A1:2012
Test procedure:	CB Scheme
Non-standard test method:	N/A
Test Report Form No:	IEC60601_1_11C
Test Report Form(s) Originator:	UL(US)
Master TRF:	2015-03
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Test item description:	Test item description: Medical Power Supply			
Trade Mark:	GlobT	ek		
Manufacturer:	GlobT	Tek, Inc.		
	186 Ve	eterans Dr. Northvale, N	IJ 07647 USA	
Model/Type reference:	GT**-*	****		
	(See p	age 5 for details)		
Ratings:		100-240V∼, 50-60Hz, 0	.6A / 1.0A / 1.5A;	
	Outpu	t: 5-48VDC, Max 36W		
Responsible Testing Laboratory (as a	pplical	ole), testing procedure	and testing location(s):	
CB Testing Laboratory:		Intertek Testing Servic	es Shanghai	
Testing location/ address		Building No.85 and 86 200233 Shanghai, Chi	, 1198 Qinzhou Road (North), na	
Associated CB Testing Laborate	ory:			
Testing location/ address				
Tested by (name, function, signature)	:	Larry Zhong	1 min 7 horas	
			Larry Ling	
Approved by (name, function, signatu	ıre):	Justin Yu	Larry Zhong Dan Z	
Testing procedure: CTF Stage 1:				
Testing location/ address	:			
Tested by (name, function, signature)	:			
Approved by (name, function, signatu				
Testing procedure: CTF Stage 2:				
Testing location/ address	:			
Tested by (name + signature)	:			
Witnessed by (name, function, signate	ure):			
Approved by (name, function, signatu	re):			
Testing procedure: CTF Stage 3				
Testing procedure: CTF Stage 4				
Testing location/ address	:		· ·	
Tested by (name, function, signature)	:			
Witnessed by (name, function, signate	ure):			
Approved by (name, function, signatu	re):			
Supervised by (name, function, signat	ture):			

TRF No. IEC60601_1_11C

List of Attachments (including a total number of pages in each attachment):			
See IEC 60601-1 Test Report			
Summary of testing:			
Tests performed (name of test and test clause):	Testing location: Intertek Testing Services Shanghai		
4.2.2 Environmental condition test of transport and storage between uses	Building No. 86, 1198 Qinzhou Road (North), 200233 Shanghai, China		
4.2.3.1 Environmental operating condition test			
10.1.2 a) Shock test 10.1.3 b) Vibration test			
The sample tested complies with the requirements of IEC 60601-1-11:2015.			
Summary of compliance with National Difference	25:		
List of countries addressed			
The requirements of USA and Canada have been al differences or deviations from the IEC 60601-1-11:2			
\boxtimes The product fulfils the requirements of IEC 60	604 4 44, 2045		
	001-1-11. 2015		
Copy of marking plate:			
The artwork below may be only a draft. The use authorized by the respective NCBs that own these			
See IEC 60601-1 Test Report 160100305SHA-001			

Test item particulars:	See IEC 60601-1 Test Report 160100305SHA-001
Classification of installation and use	transportable / portable / stationary / mobile / fixed / permanently installed / hand-held for power adapter model. Final determination in end product evaluation for open frame model.
Intended use (Including type of patient, application location):	PSU (external power adapter or internal power supply board))
Mode of operation:	Continuous / non-continuous
Supply Connection:	internally powered /permanently installed / appliance coupler / non-detachable cord for power adapter model. Final determination in end product evaluation for open frame model.
Accessories and detachable parts included:	transportable / portable / stationary / mobile / fixed / permanently installed / hand-held
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:	2016-05-18
Date (s) of performance of tests:	2016-05-18 to 2016-06-29
- Normal condition: N.C.	- Single fault condition: S.F.C.
- Normal condition: N.C. - Means of Operator protection: MOOP	
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 Normal condition: N.C. Means of Operator protection: MOOP General remarks: "(See Enclosure #)" refers to additional information ag "(See appended table)" refers to a table appended to t 	- Single fault condition : S.F.C. - Means of Patient protection : MOPP opended to the report. he report.
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Name and address of factory (ies).....: See IEC 60601-1 Test Report 150701427SHA-001

General product information:

Product covered by this report is medical power supply module.

Desktop / direct plug-in power supply are provided with suitable external enclosure. The top and bottom parts of the enclosure are ultrasonic welded.

Open frame power supplies are without external enclosure. Encapsulated type has an enclosure of thickness 2.0 mm enclosing 3 sides .

The products were tested to be suitable for connection to \leq 16 A (IEC) and \leq 20 A (USA) branch circuit in series. The unit is approved for TN mains star connections. The unit provides internally two fuses. The power supplies are rated class I or class II. Open frame and encapsulated class I power supplies shall be properly bonded to the main protective bonding termination in the end product.

All the types are designed for continuous operation.

Model Differences:

GT**-****

The 1st "*" part can be 'M' or '-' or 'H' for market identification and not related to safety.

The 2nd"*" can be 96180 or 96300 or 91120 or 91128 for market identification

The 3rd "*" denotes the rated output wattage designation, which can be "01" to "36", with interval of 1. The 4th "*" denotes the standard rated output voltage designation, when the 2nd"*" = 96180 which can be "07", "11", "17.9", "30", "38" or "48"; when the 2nd"*"=96300 or 91120 which can be "07.5", "10.5", "14.5", "19.5", "24", "36" or "48".

The 5th "*" is optional deviation, subtracted from standard output voltage, which can be "-0.01" to "-12.0" with interval of 0.01, or blank to indicate no voltage different.

The 4th "*" and 5th "*" together denote the output voltage, with a range of 5 - 48 volts.

The 6th "*" = blank, it means wall plug in with interchangeable blade

=-T2 means desktop class II with C8 AC inlet

=-T2A means desktop class II with C18 AC inlet

=-T3 means desktop class I with C14 AC inlet

=-T3A means desktop class I with C6 AC inlet

=-R2 means hybrid desktop housing class II with C8 AC inlet

=-R3A means hybrid desktop housing class I with C6 AC inlet

=-F means Open Frame class I

=-FW means Open Frame class II

=-P2 means Encapsulated class II

=-P3 means Encapsulated class I

When the 2nd"*"=91128,

the model will be GTM91128LI1CEL Output: 4.2V, 1000mA;

or Model GTM91128LI2CEL Output: 8.4V, 1000mA;

or Model GTM91128LI3CEL Output: 12.6V, 1000mA;

The last * denote any six character = 0-9 or A-Z or ()[] or – or blank for marketing purposes.

Ratings

When 2nd"*" = 96180, Input : 100-240V~,50-60Hz, 0.6A Output: 5-48Vdc

When 2nd"*" = 96300, 91120 or 91128, Input : 100-240V~,50-60Hz,1.5A or 1.0A Output: 5-48Vdc

Model Details:

GT*96180-**** Interchangeable plug models

Model	Output Voltage	Max. output current	Max. output power
GT*96180-*07**	5-7V	3.6A	18W
GT*96180-*11**	7.1-11V	2.53A	18W

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GT*96180- *17.9**	11.1-17.9V	1.62A	18W
GT*96180-*30**	18-30V	1.0A	18W
GT*96180-*38**	30.1-38V	0.6A	18W
GT*96180-*48**	38.1-48V	0.47A	18W

GT*96180-***-T2/T2A/T3/T3A* Desktop models

Model	Output Voltage	Max. output current	Max. output power
GT*96180-*07*-T2/T2A/T3/T3A*	5-7V	3.6A	18W
GT*96180-*11*-T2/T2A/T3/T3A*	7.1-11V	2.53A	18W
GT*96180-*17.9*-T2/T2A/T3/T3A*	11.1-17.9V	1.62A	18W
GT*96180-*30*-T2/T2A/T3/T3A*	18-30V	1.0A	18W
GT*96180-*38*-T2/T2A/T3/T3A*	30.1-38V	0.6A	18W
GT*96180-*48*-T2/T2A/T3/T3A*	38.1-48V	0.47A	18W

GT*96300-***-T2/T2A/T3/T3A/R2/R3A* Desktop models

Model	Output Voltage	Max. output current	Max. output power
GT*96300-*07.5*-T2/T2A/T3/T3A/R2/R3A*	5-7.5V	4.5A	22.5W
GT*96300-*10.5*-T2/T2A/T3/T3A/R2/R3A*	7.6-9V	3.94A	30W
GT*96300-*10.5*-T2/T2A/T3/T3A/R2/R3A*	9.1-10.5V	3.95A	36W
GT*96300-*14.5*-T2/T2A/T3/T3A/R2/R3A*	10.6-14.5V	3.39A	36W
GT*96300-*19.5*-T2/T2A/T3/T3A/R2/R3A*	14.6-19.5V	2.46A	36W
GT*96300-*24*-T2/T2A/T3/T3A/R2/R3A*	19.6-24V	1.83A	36W
GT*96300-*36*-T2/T2A/T3/T3A/R2/R3A*	24.1-36V	1.49A	36W
GT*96300-*48*-T2/T2A/T3/T3A/R2/R3A*	36.1-48V	0.99A	36W

GT*91120-***-T2/T3A/F/FW/P2/P3* External/Hybird desktop or direct plug-in model or Open Frame or Encapsulated

Model	Output Voltage	Max. output current	Max. output power
GT*91120-*07.5*-2/T3A/F/FW/P2/P3*	5-7.5V	4A	30W
GT*91120-*10.5*-2/T3A/F/FW/P2/P3*	7.6-10.5V	3.94A	30W
GT*91120-*14.5*-/T3A/F/FW/P2/P3*	10.6-14.5V	2.83A	30W
GT*91120-*19.5*-2/T3A/F/FW/P2/P3*	14.6-19.5V	2A	30W
GT*91120-*24*-T2/T3A/F/FW/P2/P3*	19.6-24V	1.6A	30W
GT*91120-*36*-T2/T3A/F/FW/P2/P3*	24.1-36V	1.25A	30W
GT*91120-*48*-T2/T3A/F/FW/P2/P3*	36.1-48V	0.83A	30W

4	GENERAL REQUIREMENTS				
4.1	Characteristics of SUPPLY MAINS specified in 4.10.2 of Part 1 applied, except ME EQUIPMENT or ME SYSTEMS intended for HOME HEALTHCARE ENVIRONMENT complied with the following:		Р		
	- SUPPLY MAINS in the HOME HEALTHCARE ENVIRONMENT did not exceed 110 % or was not below 85 % of NOMINAL voltage between any of the conductors of the system or between any of these conductors and earth (% V)	See appended Table 4.11 in IEC60601-1 report 160100305SHA-001	_		
	- For ME EQUIPMENT OR ME SYSTEMS intended to actively keep alive or resuscitate a PATIENT, SUPPLY MAINS in the HOME HEALTHCARE ENVIRONMENT did not exceed 110 % or was not below 80 % of NOMINAL voltage between any of the conductors of the system or between any of these conductors and earth (% V	Not for LIFE-SUPPORTING ME EQUIPMENT	_		
	- RATED range of NOMINAL voltage did include at least 12.4 V to 15.1 V for operation from a 12 V dc supply mains	No such condition	N/A		
	- RATED range of NOMINAL voltage did include at least 24.8 V to 30.3 V for operation from a 12 V dc supply mains	No such condition	N/A		
	The equipment maintained BASIC SAFETY and ESSENTIAL PERFORMANCE during and following a 30 s dip to 10 V from a 12 V dc SUPPLY MAINS	No such condition	N/A		
	The equipment maintained BASIC SAFETY and ESSENTIAL PERFORMANCE during and following a 30 s dip to 20 V from a 24 V dc SUPPLY MAINS	No such condition	N/A		
4.2.2	Environmental conditions of transport and storage between uses, indicated in instructions for use				
	ME EQUIPMENT, except STATIONARY EQUIPMENT, after being removed from its protective packaging, and subsequently between uses, operated within its specified NORMAL USE after transport or storage in the specified environmental conditions		Р		
	temperature range:-25 °C to + 5 °C		Р		
	temperature range:+5 °C to +35 °C at a non- condensing relative humidity up to 90 %		Р		
	temperature range: >35 °C to 70 °C at a water vapour pressure up to 50 hPa		Р		
	For more restricted range of environmental transport and storage conditions between uses, the environmental conditions are specified		N/A		
	- Justified in the RISK MANAGEMENT FILE	See RISK MANAGEMENT Table 4.2.2	N/A		
	– Marked on the ME EQUIPMENT		N/A		

4.2.3.1	Environmental operating conditions - Continuous	operating conditions	
	f) ME EQUIPMENT evaluated to its specifications and ensured it provides BASIC SAFETY and ESSENTIAL PERFORMANCE		Р
	e) At the end of this conditioning period, ME EQUIPMENT allowed to return and stabilize at the operating conditions of NORMAL USE		Р
	– For at least 16 h or, ensured ME EQUIPMENT reached THERMAL STABILITY for at least 2 h		Р
	d) ME EQUIPMENT exposed to its highest specified environmental transport and storage conditions, not requiring a water vapour pressure greater than 50 hPa (temperature $^{+4}$ ° °C); (°C, ± %)	+80°C, 93 RH %	P
	c) Then ME EQUIPMENT exposed to $34 \degree C \pm 4 \degree C$ and $90 \% - 0\% + 6\%$ relative humidity until the test chamber reached equilibrium and held for at least 2 hours. The transition from low to high temperature was made slowly enough to provide a non-condensing environment.		P
	– For at least 16 h or, ensure ME EQUIPMENT reached THERMAL STABILITY for at least 2 h		Р
	b) ME EQUIPMENT exposed to its lowest specified environmental transport and storage conditions (temperature -4 °C) (°C):	-10°C	Р
	a) ME EQUIPMENT prepared for transportation or storage according to instructions for use		Р
	respective applicability was obvious Environmental transport and storage test		
	Where ME EQUIPMENT used different marking for conditions of transport and storage between uses, continuous operating conditions and transient operating conditions, markings accompanied by supplementary markings except where the		N/A
	Symbol 5.3.9 (ISO 7000-2621) of ISO 15223-1:2012 used to mark atmospheric pressure range		N/A
	Symbol 5.3.8 (ISO 7000-2620) of ISO 15223-1:2012 used to mark humidity range		N/A
	Symbol 5.3.5 (ISO 7000-0534), 5.3.6 (ISO 7000- 0533), or 5.3.7 (ISO 7000-0632) of ISO 15223- 1:2012 used to mark temperature range		N/A
	- Marked on the carrying case when the instructions for use indicate the ME EQUIPMENT is intended to be transported or stored in a carrying case between uses		N/A
	When not practicable, the more restricted range is disclosed in the instructions for use		N/A

			D
	Instructions for use indicated permissible environmental operating conditions of the ME EQUIPMENT		Р
	ME EQUIPMENT complied with its specifications and all requirements of the standard when operated in NORMAL USE within temperature $+ 5 \degree$ C to $+40 \degree$ C,	0°C to 40°C	Р
	Relative humidity range of 15 % to 90%, non- condensing, but not requiring a water vapour partial pressure greater than 50 hPa; and	15% to 93% RH	Р
	An atmospheric pressure range of 700 hPa to 1060 hPa	700 hPa to 1060 hPa	Р
	For more restricted range of environmental operating conditions		Р
	- justified in the risk management file;		N/A
	-marked on the equipment; or were nor practical in the instructions for use		N/A
	- Marked on the carrying case when the instructions for use indicate the ME EQUIPMENT is intended to be operated in a carrying case		N/A
	Symbol 5.3.5 (ISO 7000-0534), 5.3.6 (ISO 7000- 0533), or 5.3.7 (ISO 7000-0632) of ISO 15223- 1:2012 used to mark temperature range		N/A
	Symbol 5.3.8 (ISO 7000-2620) of ISO 15223-1:2012 used to mark humidity range		N/A
	Symbol 5.3.9 (ISO 7000-2621) of ISO 15223-1:2012 used to mark atmospheric pressure range		N/A
	Where ME EQUIPMENT used different marking for conditions of continuous operating conditions and transient operating conditions, markings accompanied by supplementary markings		N/A
-	Environmental operating conditions test		
	a) ME EQUIPMENT was set up for operation according to INTENDED USE		Р
	b) ME EQUIPMENT exposed to 20 °C \pm 4 °C for at least 6 h or, ensured ME EQUIPMENT reached THERMAL STABILITY for at least 2 h, (h)	6h	Р
	c) ME EQUIPMENT evaluated to its specifications and ensured it continued to provide BASIC SAFETY and ESSENTIAL PERFORMANCE	After test, EUT worked as normal and no basic safety specified in the standard was impaired.	Р
	d) ME EQUIPMENT evaluated to its specifications and ensured it continued to provide BASIC SAFETY and ESSENTIAL PERFORMANCE while at the lowest specified atmospheric pressure.	After test, EUT worked as normal and no basic safety specified in the standard was impaired.	Р

	TRANSIT-OPERABLE EQUIPMENT with a stated wider range of continuous environmental operation conditions maintained BASIC SAFETY and ESSENTIAL PERFORMANCE in the presence of condensation and thermal shock from rapid changes in environmental temperature and humidity during INTENDED USE when test in accordance with 4.2.3.2 a)-j).	Not TRANSIT-OPERABLE ME EQUIPMENT.	N/A
4.2.3.2	Environmental shock to TRANSIT-OPERABLE EQUIPME	ENT	
	I) ME EQUIPMENT met its specifications and BASIC SAFETY and ESSENTIAL PERFORMANCE	After test, EUT worked as normal and no basic safety specified in the standard was impaired.	Р
	k) ME EQUIPMENT held the conditions of j) for at least 6 h or, ensured the ME EQUIPMENT reached THERMAL STABILITY for at least 2 h	6h	Р
	j) ME EQUIPMENT warmed to its highest specified continuous environmental operating conditions		Р
	i) ME EQUIPMENT met its specifications and BASIC SAFETY and ESSENTIAL PERFORMANCE	After test, EUT worked as normal and no basic safety specified in the standard was impaired.	Ρ
	h) ME EQUIPMENT held at lowest specified environmental operating conditions for at least 6 h or, ensured the ME EQUIPMENT reached THERMAL STABILITY for at least 2 h	6h	Р
	g) ME EQUIPMENT cooled to its lowest specified environmental operating conditions		Р
	f) Pressure in chamber relieved		Р
	e) ME EQUIPMENT evaluated to its specifications and ensured it continued to provide BASIC SAFETY and ESSENTIAL PERFORMANCE while at the highest specified atmospheric pressure.	After test, EUT worked as normal and no basic safety specified in the standard was impaired.	Р

5	GENERAL REQUIREMENTS FOR TESTING ME EQ	UIPMENT	
	In addition to the requirements of 5.9.2.1 of with IEC 60601-1 standard, accessibility determined as indicated below:		
	ACCESSIBLE parts of ME EQUIPMENT identified by inspection and, when necessary, by testing		Р
	When in doubt, an ACCESSIBLE PART of ME EQUIPMENT determined by a test with the small finger probe of Fig 1, applied in a bent or straight position as follows:		Р
	– for all positions of the ME EQUIPMENT operating in NORMAL USE	No opening	N/A
	 – after opening ACCESS COVERS and removal of parts, including lamps, fuses, and fuse holders when: 	No such parts	N/A
	i) the ACCESS COVERS could be opened without the use of a TOOL, or		N/A
	ii) the instructions for use instructed a LAY OPERATOR to open the relevant ACCESS COVER		N/A

6	CLASSIFICATION OF ME EQUIPMENT AND ME SYSTEMS		
	ME EQUIPMENT intended for HOME HEALTHCARE ENVIRONMENT classified as follows, except for PERMANENTLY INSTALLED EQUIPMENT and as required by Part 1, Sub-clause 6.2:	Only Class II adapter models are evaluated in this report.	Р
	- CLASS II OF INTERNALLY POWERED	Class II	Р
	- Not provided with a FUNCTIONAL EARTH TERMINAL		Р
	– When equipped with APPLIED PARTS, they are TYPE BF or CF	No applied parts.	N/A

7	ME EQUIPMENT IDENTIFICATION, MARKING AN	D DOCUMENTS	
7.1	USABILITY of identification, marking, and ACCOMPANYING DOCUMENTS intended for LAY OPERATOR or LAY RESPONSIBLE ORGANIZATION evaluated by an OPERATOR whose PROFILE included minimum eight years of education	USABILITY ENGINEERING PROCESS not applied for power supply	N/A
	ME EQUIPMENT and ME SYSTEMS intended for HOME HEALTHCARE ENVIRONMENT are simple to use and do not require referencing complex ACCOMPANYING DOCUMENTS		N/A
7.2	In addition to requirements of 7.2.9 of the general standard, the carrying case provided some or all of the ingress protection against water or particulate matter, The ENCLOSURE is marked with the safety sign ISO 7010-W001 and "keep dry" or		N/A
	Symbol ISO 15223-1:2012, 5.3.4 (ISO 7000-0626)		N/A
	A carrying case marked with degree of protection	IP20	Р

	Carrying case inspected, and tests and criteria of 7.1.2 and 7.1.3 of Part 1 applied	See IEC 60601-1 Test report, Sub-clauses 7.1.2 and 7.1.3	Ρ
7.3	ACCOMPANYING DOCUMENTS		
7.3.1	ACCOMPANYING DOCUMENTS indicate the LAY OPERATOR OF LAY RESPONSIBLE ORGANIZATION should contact the MANUFACTURER OF MANUFACTURER'S representative on the following issues:	Accompany documents are provided for some critical issue like technical data, safety warnings, necessary information to set up, but further evaluation is needed on end product level.	Ρ
	– Assistance in setting up, using, or maintaining the ME EQUIPMENT or ME SYSTEM when needed, or		Р
	- To report unexpected operation or events		Р
	ACCOMPANYING DOCUMENTS include a postal address and either a phone number or web address for the LAY OPERATOR OF LAY RESPONSIBLE ORGANIZATION to contact the MANUFACTURER OF MANUFACTURER'S representative		Ρ
7.3.2	ACCOMPANYING DOCUMENTS include necessary details for healthcare professional to brief the LAY OPERATOR or LAY RESPONSIBLE ORGANIZATION on any known contraindication(s) to the use of ME EQUIPMENT or ME SYSTEM and any precautions to be taken, including the following:	Accompany documents are provided for some critical issue like technical data, safety warnings, necessary information to set up, but further evaluation is needed on end product level.	N/A
	- Precautions to be taken in the event of changes in the performance of ME EQUIPMENT OR ME SYSTEM		N/A
	- Precautions to be taken regarding the exposure of the ME EQUIPMENT OF ME SYSTEM to reasonably foreseeable environmental conditions		N/A
	 Adequate information regarding medicinal substances that ME EQUIPMENT is designed to administer, including any limitations in the choice of substances to be delivered as indicated below: 		N/A
	- Information on any medicinal substances or human blood derivatives incorporated into the ME EQUIPMENT or ACCESSORIES as an integral part; and		N/A
	– The degree of accuracy claimed for ME EQUIPMENT with a measuring FUNCTION		N/A
7.4	Instructions for use		
7.4.1	Nature of the HAZARD, likely consequences that could occur if the advice is not followed, and precautions for reducing the RISK described in instructions for use corresponding to each warning and safety sign	See RISK MANAGEMENT Table 7.4.1	Ρ
	The instructions for use address the following issues,	as applicable.	
	The instructions for use address the following issues,	as applicable.	

	 Inhalation or swallowing of small parts 		Р
	 Potential allergic reactions to accessible materials used in the ME EQUIPMENT 		Ρ
	- Contact injuries		
	The instructions for use include warnings to the effect that the following actions could be unsafe as applicable:		Ρ
	– Use of ACCESSORIES, detachable parts, and materials not described in the instructions for use (see 7.9.2.14 of Part 1)		Ρ
	 Interconnection of this equipment to other equipment not described in the instructions for use (see 16.2 c) indent 9) of Part 1) 		Ρ
	 Modification of the equipment 		Р
	- Use of the ME EQUIPMENT outside its carrying case when some part of the protection required by this standard is provided by that carrying case (see 8.3.1 and 10.1)		Ρ
7.4.2	When BASIC SAFETY OF ESSENTIAL PERFORMANCE dependents on the INTERNAL ELECTRICAL POWER SOURCE, the instructions for use describes the following:	No INTERNAL ELECTRICAL POWER SOURCE.	N/A
	- Typical operation time or number of procedures:		N/A
	– Typical service life of the INTERNAL ELECTRICAL POWER SOURCE; and		N/A
	– Behaviour of ME EQUIPMENT while the rechargeable INTERNAL ELECTRICAL POWER SOURCE is charging		N/A
7.4.3	Instructions for use for ME EQUIPMENT intended for use by a LAY OPERATOR include easily understood diagrams, illustrations, or photographs of the fully assembled and ready-to-operate ME EQUIPMENT including all controls, visual INFORMATION SIGNALS, and indicators provided (see 7.1)	Necessary information to set up was provided in the instruction. BUT USABILITY ENGINEERING PROCESS not applied for power supply.	Ρ
7.4.4	Additional requirements for ME EQUIPMENT start-up	PROCEDURE:	
	- Easily understood diagrams, illustrations, or photographs showing proper connection of the PATIENT to the ME EQUIPMENT, ACCESSORIES and other equipment (see 7.1)	No connection to PATIENT.	N/A
	- the time from switching "ON" until the ME EQUIPMENT is ready for NORMAL USE, when it exceeds 15 s (see 15.4.4 of Part 1) (s):	No such feature.	N/A
	-the time required for ME EQUIPMENT to warm from the minimum storage temperature between uses until it is ready for intended use; and	No such feature.	N/A

	-the time required for ME EQUIPMENT to cool from the maximum storage temperature between uses until it is ready for intended use; and	No such feature.	N/A
7.4.5	Instructions for use for ME EQUIPMENT intended for use by a LAY OPERATOR include a description of generally known conditions in the HOME HEALTHCARE ENVIRONMENT that can unacceptably affect the BASIC SAFETY and ESSENTIAL PERFORMANCE of the ME EQUIPMENT	Further evaluation is needed on end product level.	N/A
	The steps that can be taken by the LAY OPERATOR to identify and resolve the above conditions		N/A
	At least the following issues are also included as app	licable	
	- The effects of lint, dust, light (including sunlight), etc.		N/A
	- A list of known devices or other sources that can potentially cause interference problems		N/A
	- The effects of degraded sensors and electrodes, or loosened electrodes, that can degrade performance or cause other problems		N/A
	- The effects caused by pets, pests or children		N/A
	The instructions for use explain the meaning of the IP classification marked on the ME EQUIPMENT, and on any carrying case provided with the ME EQUIPMENT as applicable		N/A
7.4.6	Instructions for use include a troubleshooting guide for use when there are indications of a ME EQUIPMENT malfunction during start-up or operation	No need of such guide for power supply. But final determination in the end product.	N/A
	Troubleshooting guide discloses the necessary steps in the event of an TECHNICAI ALARM CONDITION		N/A
7.4.7	Instructions for use for ME EQUIPMENT, ME SYSTEMS, parts, and ACCESSORIES for other than single use that can be contaminated by contact with PATIENT, body fluids, or expired gases, during INTENDED USE, indicate the following:	No cleaning, disinfection and sterilization required for power supply. But further evaluation is needed on end product level.	N/A
	- Frequency of cleaning, cleaning and disinfection, or cleaning and sterilization, as appropriate, for ME EQUIPMENT, ME SYSTEMS, parts, and ACCESSORIES used on the same PATIENT including rinsing methods, drying, handling, and storage between uses (see 8.1 and 8.2); and		N/A
	- It is necessary to clean and disinfect, clean and sterilize the ME EQUIPMENT, ME SYSTEMS, parts, and ACCESSORIES for multiple PATIENT use between uses on different PATIENTS, including rinsing methods, drying, handling, and storage until re-use (see 8.1 and 8.2), or		N/A

	– ME EQUIPMENT, ME SYSTEMS and ACCESSORIES require professional hygienic maintenance prior to re-use and provide contact details for the source of these services (see 7.5.2)		N/A
7.4.8	Instructions for use include:		
	- EXPECTED SERVICE LIFE of the ME EQUIPMENT:		N/A
	– EXPECTED SERVICE LIFE of parts and ACCESSORIES shipped with the ME EQUIPMENT		N/A
	– SHELF LIFE of parts and ACCESSORIES shipped with ME EQUIPMENT when SHELF LIFE is less than the EXPECTED SERVICE LIFE		N/A
7.4.9	Instructions for use include:		
	- A statement indicating the LAY RESPONSIBLE ORGANIZATION must contact its local authorities to determine the proper method of disposal of potentially bio hazardous parts and ACCESSORIES, as applicable	Not applicable for power supply.	N/A
7.4.10	Instructions for use includes the recommended placement of the remote parts of the DISTRIBUTED ALARM SYSTEM, when applicable, to ensure the OPERATOR can be notified at all times by an appropriate element of DISTRIBUTED ALARM SYSTEM within its specified range		N/A
7.5	Technical description		
7.5.1	The technical description for PERMANENTLY INSTALLED CLASS I ME EQUIPMENT includes:	Not PERMANENTLY INSTALLED CLASS I ME EQUIPMENT.	N/A
	– A warning indicating the ME EQUIPMENT installation, including a correct PROTECTIVE EARTH CONNECTION, must only be carried out by qualified SERVICE PERSONNEL		N/A
	- Specifications of the PERMANENTLY INSTALLED PROTECTIVE EARTH CONDUCTOR		N/A
	 A warning to verify the integrity of the external protective earthing system 		N/A
	– A warning to connect and verify that the PROTECTIVE EARTH TERMINAL of the PERMANENTLY INSTALLED ME EQUIPMENT is connected to the external protective earthing system		N/A
7.5.2	Technical description includes methods for cleaning and disinfection or cleaning and sterilization for ME EQUIPMENT and ACCESSORIES requiring professional hygienic maintenance prior to reuse (see 7.4.7):	No cleaning, disinfection and sterilization required for power supply. But final determination in the end product.	N/A
	- Before and after any type of service PROCEDURE		N/A

8	PROTECTION AGAINST EXCESSIVE TEMPERAT HAZARDS	URES AND OTHER	
8.1	A LAY OPERATOR in the HOME HEALTHCARE ENVIRONMENT can perform the cleaning or cleaning and disinfection PROCESSES when intended (see 7.4.7)	No cleaning, disinfection required for power supply. But final determination in the end product.	N/A
	USABILITY of each such PROCESS pertaining to a LAY OPERATOR was investigated by the USABILITY ENGINEERING PROCESS		N/A
8.2	A LAY OPERATOR in the HOME HEALTHCARE ENVIRONMENT can perform the cleaning and sterilization PROCESSES when intended (see 7.4.7)	No sterilization required for power supply. But final determination in the end product.	N/A
	USABILITY of each such PROCESS pertaining to a LAY OPERATOR was investigated by the USABILITY ENGINEERING PROCESS		N/A
8.3	Additional requirements for ingress of water or p EQUIPMENT and ME SYSTEMS	articulate matter into ME	
8.3.1	TRANSIT-OPERABLE, HANDHELD, and BODY-WORN ME EQUIPMENT maintained BASIC SAFETY and ESSENTIAL PERFORMANCE after undergoing the test of IEC 60529 for at least IP 22		N/A
	All other ME EQUIPMENT maintained BASIC SAFETY and ESSENTIAL PERFORMANCE after undergoing the test of IEC 60529 for at least IP21:		N/A
	For PORTABLE ME EQUIPMENT intended to be used only while in a carrying case, IP21 met with the ME EQUIPMENT in its the carrying case		N/A
	Maintenance of BASIC SAFETY and ESSENTIAL PERFORMANCE VERIFIED		N/A
8.3.2	ENCLOSURES of the non-ME EQUIPMENT parts of the ME SYSTEMS provide the degree of protection against harmful ingress of water or particulate matter equivalent to equipment complying with their respective IEC or ISO safety standards		N/A
	Tests of IEC 60529:1989 conducted with the equipment placed in the least favourable position of NORMAL USE and the ENCLOSURES inspected		N/A
8.4	Additional requirements for interruption of the po ME EQUIPMENT and ME SYSTEM	ower supply/supply mains to	
	ME EQUIPMENT OF ME SYSTEM with ESSENTIAL PERFORMANCE intended to actively keep alive or resuscitate a PATIENT maintained its ESSENTIAL PERFORMANCE for a sufficient time or for a sufficient number of PROCEDURES when loss or failure of SUPPLY MAINS OF near depletion INTERNAL ELECTRICAL POWER SOURCE occurred	Not such ME EQUIPMENT.	N/A

8.5	Additional requirements for an INTERNAL ELECTRICAL POWER SOURCE	
	Functional tests conducted, and the RISK MANAGEMENT FILE inspected	N/A
	It was not possible to inactivate the visual ALARM SIGNAL of this TECHNICAL ALARM CONDITION	N/A
	A TECHNICAL ALARM CONDITION of at least LOW PRIORITY remained active until the INTERNAL ELECTRICAL POWER SOURCE returned to a level above the ALARM LIMIT or until depleted	N/A
	TECHNICAL ALARM CONDITION provides sufficient time or sufficient number of procedures for a LAY OPERATOR to act	N/A
	ME EQUIPMENT OF ME SYSTEM with ESSENTIAL PERFORMANCE intended to actively keep alive or resuscitate a PATIENT with an INTERNAL ELECTRICAL POWER SOURCE is equipped with an ALARM SYSTEM that includes at least a MEDIUM PRIORITY TECHNICAL ALARM CONDITION indicating the INTERNAL ELECTRICAL POWER SOURCE is nearing insufficient remaining power for operation	N/A
	ME EQUIPMENT OF ME SYSTEM with ESSENTIAL PERFORMANCE intended to actively keep alive or resuscitate a PATIENT with an INTERNAL ELECTRICAL POWER SOURCE is equipped with an automatic switchover to INTERNAL ELECTRICAL POWER SOURCE	N/A
	ME EQUIPMENT OR ME SYSTEM with ESSENTIAL PERFORMANCE intended to actively keep alive or resuscitate a PATIENT with no INTERNAL ELECTRICAL POWER SOURCE is equipped with an ALARM SYSTEM that includes at least a MEDIUM PRIORITY ALARM CONDITION indicating power failure	N/A
	The technical description describes methods that can be employed for longer periods	N/A
	Instructions for use describes the alternative life- supporting methods to be employed	N/A
	Instructions for use disclose the time or number of procedures available following a loss or failure of the SUPPLY MAINS or near depletion of the INTERNAL ELECTRICAL POWER SOURCE	N/A
	Optionally, independent means were used to provide ESSENTIAL PERFORMANCE	N/A
	Optionally, an INTERNAL ELECTRICAL POWER SOURCE was used to maintain ESSENTIAL PERFORMANCE:	N/A
	The time or number of PROCEDURES remaining allowed alternative life-supporting methods to be employed	N/A

8.5.1	ME EQUIPMENT provided with a means for the OPERATOR to determine state of the INTERNAL ELECTRICAL POWER SOURCE when the is essential for BASIC SAFETY OF ESSENTIAL PERFORMANCE OF to control risks associated with loss of ESSENTIAL PERFORMANCE	Ρ
	State of INTERNAL ELECTRICAL POWER SOURCE indicated by:	Р
	- number of PROCEDURES remaining;	N/A
	-remaining operating time;	N/A
	-percentage of the remaining operating time or energy; or	N/A
	-"fuel" gauge	N/A
	Instructions described method to determine state of INTERNAL ELECTRICAL POWER SOURCE	Р
8.5.2	Means, other than labelling, provided to prevent RISK of swallowing coin/button cells	N/A
	Replacement of button cell require use of TOOL	N/A

9	ACCURACY OF CONTROLS AND INSTRUMENTS AND PROTECTION AGAINST HAZARDOUS OUTPUTS	
	The RISKS associated with USABILITY in the HOME HEALTHCARE ENVIRONMENT for OPERATOR PROFILES including a LAY OPERATOR when performing the USABILITY ENGINEERING PROCESS include at least the following considerations:	N/A
	- changes of controls	N/A
	- unexpected movement	N/A
	- potential for misconnection	N/A
	- potential for improper operation, or unsafe use	N/A
	 potential for confusion as to current operational mode 	N/A
	- change in the transfer of energy or substance	N/A
	- exposure to environmental conditions specified in this standard	N/A
	 exposure to biological materials, and 	N/A
	 small parts being inhaled or swallowed 	N/A
	Particular emphasis placed on the limited training of a LAY OPERATOR with respect to the ability to intervene and maintain BASIC SAFETY and ESSENTIAL PERFORMANCE.	N/A
	The MANUFACTURER'S USABILITY ENGINEERING PROCESS included the least capable intended LAY OPERATOR OF LAY RESPONSIBLE ORGANIZATION	N/A

USABILITY ENGINEERING FILE inspected for compliance	USABILITY ENGINEERING PROCESS not applied for	N/A
	power supply	

10	CONSTRUCTION OF ME EQUIPMENT		
10.1	Additional requirements for mechanical strength		
10.1.1	Additions to Table 28 Mechanical strength test of the base standard, conducted as indicated in Table 1, Mechanical strength test applicability, non-TRANSIT- OPERABLE, and Table 2, Mechanical strength test applicability, TRANSIT-OPERABLE		Ρ
10.1.2	ME EQUIPMENT, its parts, and mounting ACCESSORIES, intended for non-TRANSIT-OPERABLE use displayed adequate mechanical strength when subjected to mechanical stress caused by NORMAL USE, including pushing, impact, dropping and rough handling (not applicable to FIXED and STATIONARY ME EQUIPMENT)	non-TRANSIT-OPERABLE and PORTABLE	Ρ
	ME EQUIPMENT maintained BASIC SAFETY and ESSENTIA mechanical tests	L PERFORMANCE after	
	OPERATOR-re-settable protective devices that can be reset without the use of a TOOL were, optionally, reset prior to the evaluation of BASIC SAFETY and ESSENTIAL PERFORMANCE		N/A
	a) Shock tests conducted in accordance with IEC 60068-2-27:2008	See Appended Table 10.1.2a	Ρ
	b) Broad-band random vibration tests conducted in accordance with IEC 60068-2-64:2008, using the following conditions	See Appended Table 10.1.2b	Ρ
10.1.3	ME EQUIPMENT, parts, and mounting ACCESSORIES for TRANSIT-OPERABLE use displayed adequate mechanical strength when subjected to pushing, impact, dropping, rough handling, and rigorous conditions of PATIENT movement in NORMAL USE as well as transportation by trolleys, carts, road vehicles, trains, ships, and aircraft	Not transit-operable Me Equipment	N/A
	ME EQUIPMENT maintained BASIC SAFETY and ESSENTIAL PERFORMANCE after the following tests:		N/A
	a) Shock tests conducted on other than HAND-HELD ME EQUIPMENT, parts, and mounting ACCESSORIES in accordance with IEC 60068-2-27:2008		N/A
	1) Test type: Type 1	See Appended Table 10.1.3a1	N/A
	2) Test type: Type 2	See Appended Table 10.1.3a2	N/A
	b) Shock tests conducted on HAND-HELD ME EQUIPMENT, parts, and mounting ACCESSORIES in accordance with IEC 60068-2-27:2008		N/A
	1) Test type: Type 1	See Appended Table 10.1.3b1	N/A
	2) Test type: Type 2:	See Appended Table 10.1.3b2	N/A

	c) Broad-band random vibration test conducted on ME EQUIPMENT, parts, and mounting ACCESSORIES in accordance with IEC 60068-2-64:2008	See Appended Table 10.1.3c	N/A
	d) Free fall tests conducted on PORTABLE and MOBILE ME EQUIPMENT, parts, and mounting ACCESSORIES per IEC 60068-2-31:2008, using PROCEDURE 1	See Appended Table 10.1.3d	N/A
	BASIC SAFETY and ESSENTIAL PERFORMANCE were maintained	After test, EUT worked as normal and no basic safety specified in the standard was impaired.	N/A
10.2	Controls of ME EQUIPMENT intended for use by a LAY OPERATORY that can affect BASIC SAFETY or ESSENTIAL PERFORMANCE protected from accidental or unauthorized changes or adjustments		N/A
	OPERATOR-adjustable controls used for calibration include a means to prevent unintentional changes from the intended position		N/A

11	PROTECTION AGAINST STRANGULATION OR ASPHYXIATION		
	Means provided to control the RISK of strangulation and asphyxiation of the PATIENT and others to an acceptable level		N/E
	EQUIPMENT and RISK MANAGEMENT FILE Inspected: See RISK MANAGEME	ENT Table	N/E

12	ADDITIONAL REQUIREMENTS FOR ELECTROMAGNETIC EMISSIONS OF ME EQUIPMENT AND ME SYSTEMS		
		See attached IEC 60601-1- 2:2014 EMC Test Report	N/E

13	ADDITIONAL REQUIREMENTS FOR ALARM SYSTEMS OF ME EQUIPMENT AND ME SYSTEMS		
13.1	Each HIGH PRIORITY and MEDIUM PRIORITY ALARM CONDITION causes generation of auditory ALARM SIGNALS per IEC 60601-1-8:2006 and IEC 60601-1- 8:2006/AMD1:2012, except when equipment is connected to a DISTRIBUTED ALARM SYSTEM intended for confirmed deliver of ALARM CONDITIONS including the generation of auditory ALARM SIGNALS per IEC 60601-1-8:2006 and IEC 60601-1- 8:2006/AMD1:2012	Not applicable to component power supply system; to be determined in the end product	N/E

13.2	For ME EQUIPMENT and ME SYSTEMS intended to actively keep alive or resuscitate a PATIENT, reducing the auditory ALARM SIGNAL volume T below audible levels resulted in the following was not possible, except when the ALARM SYSTEM was connected to a DISTRIBUTED ALARM SYSTEM that included generation of auditory ALARM SYSTEM that included generation	N/E
	of auditory ALARM SIGNALS per IEC 60601-1-8:2006 and IEC 60601-1-8:2006/AMD1:2012	

4.2.2	RM RESULTS TABLE: Permissible environmental conditions of transport and storage, between uses, indicated in instructions for use		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. & paragraph)	Result - Remarks	Verdict
4.2		Not more restricted range.	
4.3			
4.4			

4.2.3.1	RM RESULTS TABLE: Environmental operating conditions - Continuous operating conditions		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. & paragraph)	Result - Remarks	Verdict
4.2			
4.3			
4.4			

7.4.1	4.1 RM RESULTS TABLE: Additional requirements for warning and safety notices		Р
Clause of ISO 14971	Document Ref. in RMF (Document No. & paragraph)	Result - Remarks	Verdict
4.2	Risk management report Page 6, 6.1.1	Intended use is identified	Р
4.3	Risk management report Page 8, 6.2.1,	Mechanical energy hazard is identified.	Р
4.4	Risk management report Page 13 OP3	The severity of the harm has been estimated as "5". The probability of occurrence of the harm has been estimated in "2".	Р
5	Risk management report Page 12	The risk is evaluated as "UACC'.	Р
6.2	Risk management report Page 14 8.1, OP3	Use product specification or user manual to warn.	Р

7.4.5	RM RESULTS TABLE: : Additional requirements for operating instructions		Р
Clause of ISO 14971	(Document No. & paragraph)		Verdict
4.3	Risk management report Page 8, 6.2.1,	Mechanical hazard is identified	Р
4.4	Risk management report Page 13 OP2	The severity of the harm has been estimated as "2". The probability of occurrence of the harm has been estimated in "1"	Р

7.4.5	RM RESULTS TABLE: : Additional requirements for operating instructions		Р
Clause of ISO 14971	Document Ref. in RMF (Document No. & paragraph)	Result - Remarks	Verdict
5	Risk management report Page 12	The risk is evaluated as "ACC'	Р
6.2			N/A

8.4	RM RESULTS TABLE: Addition supply / supply mains to ME E	N/A	
Clause of ISO 14971	Document Ref. in RMF (Document No. & paragraph)	Result - Remarks	Verdict
4.2			
4.3			
5			
6.2			
6.3			
6.4			
6.5			
6.6			
6.7			

10.1.2a	TABLE:	TABLE: Shock test (IEC 60068-2-27:2008), using the following conditions*:					
	Peak acc	eleration	·····:	150 m/s2	(15 g)		
	Duration .		·····::	11 ms			
	Pulse sha	e shape			half-sine		
	Number o	of shocks	:	3 shocks per direction per axis (18 total)			
Direction Appl		Axis Shock Applied	ESSENTIAL PER	BASIC SAFETY and SENTIAL PERFORMANCE Remarks maintained? Yes/No			
Positive		X axis ²	Yes		The enclosure shows		
Negative		X axis ²	Yes		cracks and there is no damaged or loosing p		
Positive		Y axis ²	Yes		the product after test. The EUT worked as normal and passed the dielectric strength test.		
Negative		Y axis ²	Yes				
Positive		Z axis ²	Yes				
Negative		Z axis ²	Yes		1		
Supplement *(NOTE 1 T	•	ation: ents Class 7M1 as descrit	bed in IEC TR 60)721-4-7:20	01 [6])		

10.1.2b	TABLE: Broad-band random vibration test (IEC 60068-2-64:2008) using the following conditions*:					
1	Acceleration ar	nplitude	:	10 Hz to 100	Hz: 1,0 (m/s²)²/Hz	
2	Acceleration ar	Acceleration amplitude) Hz: – 3 db per octa	ve
3	Acceleration amplitude:			200 Hz to 2 000 Hz: 0,5 (m/s ²) ² /Hz		
	Duration		30 min per perpendicular axis (3 total)			
Perpendicular axis subjected to broad-band random vibration test		Acceleration amplitude	BASIC SAFETY and ESSENTIAL PERFORMANCE maintained? Yes/No		Remarks	
	1	1	Yes		The enclosure shows no	
					cracks and there is n	
	2	1	Y	es		-
	2 3	1		es es	damaged or loosing inside the product	g part after test
	_	1 1 2	Y		damaged or loosing	g part after test s normal
	3	1 1 2 2	Y	es	damaged or loosing inside the product a The EUT worked a	g part after test s normal

10.1.3a1		TABLE: Shock test (IEC 60068-2-27:2008) for other than HAND-HELD EQUIPMENT, parts, and mounting ACCESSORIES under the following conditions (Test Type 1): N/A							
	Peak acc	eleration	······	150 m/s² (15 g)					
	Duration.		:	11 ms					
	Pulse sha	ipe	:	half-sine					
	Number o	of shocks	:	3 shocks per direction per axis (18 total)					
Directior Appl		Axis Shock BASIC SAFETY and ESSENTIAL Applied PERFORMANCE maintained? Remark Yes/No		Remarks					
O		- 4:							
Supplement * (NOTE 3		ation: ents Class 7M2 as de	escribed in IEC/TR	60721-4-7:2001	[6])				

10.1.3a2	TABLE: Shock test (IEC 60068-2-27:2008) on other than HAND-HELD ME N/A EQUIPMENT, parts, and mounting ACCESSORIES under the following conditions N/A (Test Type 2): Image: Condition of the following con					
	Peak acc	eleration	······	300 m/s ² (15 g)		
	Pulse shape h			half-sine		
Direction Appl		Axis Shock Applied	BASIC SAFETY a PERFORMANCE Yes/	maintained?	Remarks	
Supplement	tary informa	ation:				

10.1.3b1	TABLE: Shock test (IEC 60068-2-27:2008) on HAND-HELD ME EQUIPMENT parts, and mounting ACCESSORIES using the following conditions (Test Type 1): N/A							
	Peak acc	eleration	:	300 m/s ² (30 g)				
	Duration		:	11 ms				
	Pulse sha	аре	:	half-sine				
		of shocks						
Direction Appli		Axis Shock Applied	BASIC SAFETY a PERFORMANCE Yes/I	E maintained? Remarks				
Supplement *(NOTE 4 T	-	i ation: ents Class 7M3 as de	scribed in IEC/TR 6	60721-4-7:2001.	(Test Type 1)			

10.1.3b2		Shock test (IEC 6006 ACCESSORIES using				N/A
	Peak acce	eleration	:	1000 m/s ² (100 g)		
	Duration .		:	6 ms		
	Pulse sha	pe	:	half-sine		
	Number of shocks			3 shocks per direction per axis (18 total)		
Direction Appli				maintained?	Remarks	
Supplement	ary informa	ation:				

ration ampl ration ampl on	litude	BASIC SAFETY ESSENTIAL PERFO maintained? Y	100 Hz t 200 Hz t 30 min p and RMANCE	100 Hz: 1,0 (m/s ²) ² /Hz o 200 Hz: - 3 db per octa o 2 000 Hz: 0,5 (m/s ²) ² /H er perpendicular axis (3 t Remarks	z
ration amplon	litude Acceleration amplitude	BASIC SAFETY ESSENTIAL PERFO	200 Hz t 30 min p and RMANCE	o 2 000 Hz: 0,5 (m/s²)²/H er perpendicular axis (3 t	z
on is A band	Acceleration amplitude	BASIC SAFETY ESSENTIAL PERFO	30 min p and RMANCE	er perpendicular axis (3 t	
kis A band	Acceleration amplitude	BASIC SAFETY ESSENTIAL PERFO	and RMANCE		total)
band	amplitude	ESSENTIAL PERFO	RMANCE	Remarks	
	1	_			
				-	
	1	—		_	
	1	_		—	
	2	_		_	
	2			_	
	2			_	
	3	_			
2 3		_			
	3				
	mation:	3 3 3 3 mation:	3 — 3 — 3 — mation:	3 - 3 - 3 - 3 - mation: -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

10.1.3d	and MOBILE ME E	QUIPMENT, F	60068-2-31:2008), usin parts, and mounting Ac ving conditions*:		EDURE 1, ON PORTABLE N/A IES (with carrying case if
1	Fall height for ma	ass ≤ 1 kg	:	0,25 m	
2	Fall height for ma	ass > 1 kg a	nd ≤ 10 Kg:	0,1 m	
3	Fall height for ma	ass > 10 kg	and ≤ 50 Kg:	0,05 m	
4	Fall height for ma	ass > 50 kg	:	0,01 m	
Specified altitude (m		Fall No.	BASIC SAFETY and ESS PERFORMANCE mainta Yes/No		Remarks
0,25	≤ 1	1	—		_
0,25	≤ 1	2	—		—
0,1	> 1 & ≤ 10	1	—		—
0,1	> 1 & ≤ 10	2			—
0,05	> 10 & ≤ 50	1			_
0,05	> 10 & ≤ 50	2			_
0,01	> 50	1	_		_
0,01	> 50	2	—		—

11.0	RM RESULTS TABLE: PROTEC	N/E	
Clause of ISO 14971	Document Ref. in RMF (Document No. & paragraph)	Result - Remarks	Verdict
4.3			
4.4			
5			
6.2			
6.3			
6.4			
6.5			
6.6			
6.6	ntary information:		