SUPERIOR PRODUCT CONSULTING, INC

TEST REPORT
IEC 60601-1
Medical Electrical Equipment
Part 1:General requirements for basic safety and essential performance

Report Reference No ..... :	1402012-draft report
Date of issue ..... :	2014-03-27
Total number of pages ..... :	189
Testing Laboratory ..... :	Superior Product Consulting, Inc.
Address ..... :	3rd Fl, 10 Alley 6, Lane 235 Pao Chiao Rd, Hsin-Tien, Taipei Taiwan
Applicant's name ..... :	ONYX HEALTHCARE INC
Address ..... :	2 FL 135 LN 235 PAO CHIAO RD HSIN TIEN NEW TAIPEI 231 TAIWAN
Test specification:	
Standard ..... :	IEC 60601-1: 2005 + CORR. 1 (2006) + CORR. 2 (2007) EN 60601-1: 2006 + CORR: 2010
Non-standard test method ..... :	N/A
Test item description ..... :	Mobile cart computer
Trade Mark ..... :	onyx Smart Healthcare
Manufacturer ..... :	ONYX HEALTHCARE INC 2 FL 135 LN 235 PAO CHIAO RD HSIN TIEN NEW TAIPEI 231 TAIWAN
Model/Type reference ..... :	VENUS-191
Ratings ..... :	Mobile cart computer : 24V, 6.25A Power Adapter, HITRON ELECTRONICS CORP, Type HEMP152G-S240060-7 LF Adaptor input rating: 100-240Vac, 50/60Hz, 1.9-0.8A Adapter output rating: 24Vdc, 6.25A

Testing procedure and testing location:		
[x]	**Testing Procedure: WMT**	
	Complied by (name + signature)....:	Grace Tang
	Reviewed by (+ signature) .....:	Tim Lu
	Approved by (+ signature).....:	
	Testing location / address .....:	Superior Product Consulting, Inc. 3rd Fl, 10 Alley 6, Lane 235 Pao Chiao Rd, Hsin-Tien, Taipei Taiwan

Summary Of Testing

Unless otherwise indicated, all tests were conducted at Underwriters Laboratories Taiwan Co., Ltd. 260 Da-Yeh Road, 112 Peitou Taipei City, Chinese Taipei.

Tests performed (name of test and test clause)	**Testing location / Comments**
Power Input Test (4.11)	Test located at SPC
Humidity Preconditioning Treatment (5.7)	Test located at SPC
Legibility of Markings (7.1.2)	Test located at SPC
Durability of Marking Test (7.1.3)	Test located at SPC
Dielectric Voltage Withstand (8.8.3)	Test located at SPC
Ball Pressure (8.8.4.1)	Test located at SPC
Suspension Systems Without Safety Device Loading Test (9.8.5)	Test located at SPC
Stability and Transportability (9.4.2)	Test located at SPC
Temperature Test (11)	Test located at SPC
Overflow, Spillage, Leakage, Cleaning, Sterilization and Disinfection, Harmful Ingress of Liquids (11.6)	Test located at SPC
Interruption of Power Supply (11.8)	Test located at SPC
Abnormal Operation and Single Fault Conditions (13)	Test located at SPC
Enclosure Mechanical Strength (15.3)	Test located at SPC
Drop Test (15.3.4)	Test located at SPC
Mold Stress Relief Test (15.3.6)	Test located at SPC
Leakage Current Test (8.7)	Test located at SPC

Summary of Compliance with National Differences:

List of countries addressed: AT, BE, CA, CH, CZ, DE, DK, FI, FR, GB, HU, IT, NL, NO, PL, SE, SI, SK, TR, UA, US

The product fulfills the requirements of: ANSI/AAMI ES60601-1 (2005 + C1:09 + A2: 10) (includes Deviations for United States), CAN/CSA C22.2 No. 60601-1:08, 2nd Edition (including national differences of Canada), EN 60601-1: 2006 + CORR: 2010 (Medical electrical equipment Part 1: General requirements for basic safety and essential performance)

Copy of Marking Plate - Refer to Enclosure titled Marking Plate for copy.

Test item particulars (see also Clause 6):	
Classification of installation and use .....:	Portable or Fixed
Device type (component/sub-assembly/ equipment/ system) .....:	Equipment
Intended use (Including type of patient, application location) .....:	The equipment is intended to be used as an equipment of a medical patient monitoring system.
Mode of operation .....:	Continuous
Supply connection .....:	Appliance coupler
Accessories and detachable parts included .....:	None
Other options include .....:	None

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 was not evaluated for the requirement :	N / E
- test object does not meet the requirement ..... :	F(Fail)

Abbreviations used in the report:			
- normal condition .....:	N.C.	- single fault condition ..... :	S.F.C.
- means of Operator protection .....:	MOOP	- means of Patient protection ..... :	MOPP

General remarks:

"(see Attachment #)" refers to additional information appended to the report.
"(see appended table)" refers to a table appended to the report.

The test results presented in this report relate only to the object tested.
This report shall not be reproduced, except in full, without the written approval of the testing laboratory.
List of test equipment must be kept on file and available for review.
Additional test data and/or information provided in the attachments to this report.

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

Name and address of Factory(ies):

ONYX HEALTHCARE INC

2 FL 135 LN 235 PAO CHIAO RD
HSIN TIEN NEW TAIPEI
231 TAIWAN

GENERAL PRODUCT INFORMATION:

Report Summary

All applicable tests according to the referenced standard(s) have been carried out.

Product Description

The Mobile cart computer are based on Intel® Atom™ N2800 Dual Core processor, one 2.5" SATAII SSD and 4GB DDRIII SODIMM, a 19" 250 nits TFT display, unit side mount USB 3.0 ports x2 , a smart card reader and 2 Hot swappable batteries, provided with USB2.0 x5, RS-232 x2, Gigabit LAN x1, Display Port x1, Mic-in, Line out, and all components were soldered on PWB and enclosed in metal chassis and plastic enclosure. The Mobile cart computer can use with VESA stand for installing.

The Unit can only use with switching power adapter from
HITRON ELECTRONICS CORP, Type HEMP152G-S240060-7 LF,
input rating: 100-240Vac, 50/60Hz, 1.9-0.8A
output rating: 24Vdc, 6.25A

Model Differences

N/A

Additional Information

According to ISO/IEC 14971:2007, Risk Management report and file were provided by the client. The documents were reviewed to meet the requirements of ISO/IEC 14971:2000, IEC 60601-1 3rd Edition, ANSI/AAMI ES 60601-1, 1st Edition, and CAN/CSA-C22.2 No. 60601-1:08, 2nd Edition.

Technical Considerations

- The product was investigated to the following additional standards:: EN 60601-1: 2006 + CORR: 2010 (Medical electrical equipment Part 1: General requirements for basic safety and essential performance), ANSI/AAMI ES60601-1:2005 1st Edition (including national differences of USA), CAN/CSA C22.2 No. 60601-1:08, 2nd Edition (including national differences of Canada)

- The product was not investigated to the following standards or clauses:: Clause 17, Electromagnetic Compatibility (IEC 60601-1-2), Clause 7.1.1, 7.1.2, Usability (IEC 60601-1-6), Clause 11.7, Biocompatibility (ISO 10993-1), Clause Environmentally Conscience Design (IEC 60601-1-9)

- The degree of protection against harmful ingress of water is:: Ordinary

- The following accessories were investigated for use with the product:: None

- The mode of operation is:: Continuous

- The product is suitable for use in the presence of a flammable anesthetics mixture with air or oxygen or with nitrous oxide:: No

- Clause 14: Software (PEMS) is relied upon for meeting Basic Safety and Essential Performance: No

- The product is sutiable for use in an Oxygen Rich Environment: No

- Manufacturer's Recommended Ambient: 40 deg. C

INSULATION DIAGRAM

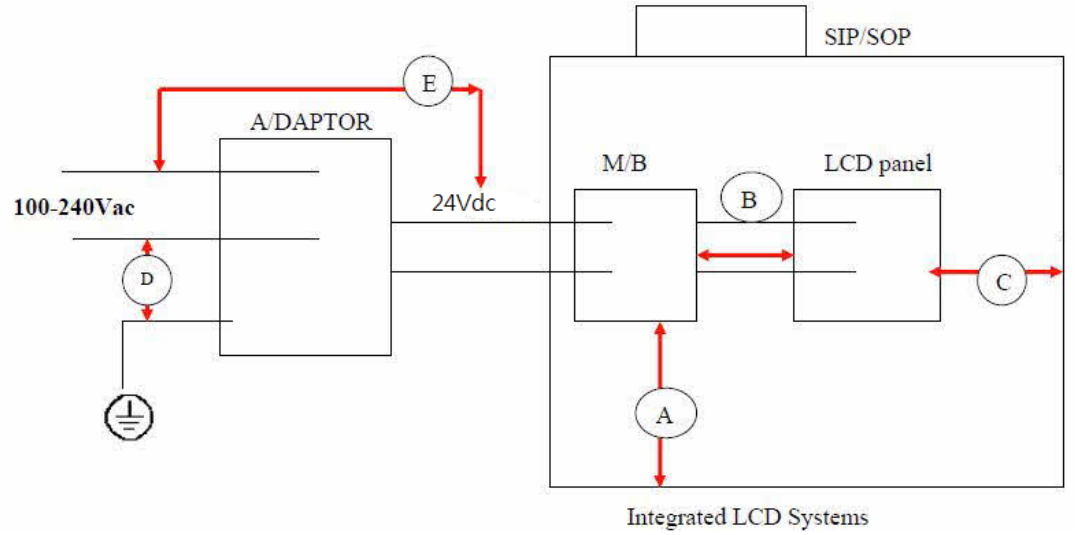


Table: to insulation diagram									
Pollution Degree			Overvoltage Category	Altitude		Additional details on parts considered as applied parts (See clause 4.6 for details)			
2			II	3000m		None			
Area	Number and type of Means of Protection (MOOP/MOPP)	CTI (IIIb, unless is known)	Working Voltage Vrms	Working Voltage, Vpk	Required Creepage (mm)	Required Clearance (mm)	Measured Creepage (mm)	Measured Clearance (mm)	Remarks
A	Functional	IIIb	--	12 Vdc	--	--	--	--	--
B	Functional	IIIb	--	12 Vdc	--	--	--	--	--
C	Functional	IIIb	--	12 Vdc	--	--	--	--	--
D	1 MOPP	IIIb	240	340	4.0	2.5	--	--	Approval component for Power Adapter
E	2 MOPP	IIIb	240	340	8.0	5.0	--	--	Approval component
Supplementary information: Refer to CTL Decision DSH 0791 for circumstances when > (greater than) or < (less than) symbols are permitted.									

INSULATION DIAGRAM CONVENTIONS and GUIDANCE:

A measured value must be provided in the value columns for the device under evaluation. The symbol > (greater than sign) must not be used. Switch-mode power supplies must be re-evaluated in the device under evaluation therefore N/A must not be used with a generic statement that the component is certified.

Insulation diagram is a graphical representation of equipment insulation barriers, protective impedance and protective earthing. If feasible, use the following conventions to generate the diagram:

- All isolation barriers are identified by letters between separate parts of diagram, for example separate transformer windings, optocouplers, wire insulation, creepage and clearance distances.

- Parts connected to earth with large dots are protectively earthed. Other connections to earth are functional

- Applied parts are extended beyond the equipment enclosure and terminated with an arrow.

- Parts accessible to the operator only are extended outside of the enclosure, but are not terminated with an arrow.

4	**GENERAL REQUIREMENTS**		Pass
4.1	Requirements of this standard applied in NORMAL USE and reasonably foreseeable misuse		Pass
4.2	A RISK MANAGEMENT PROCESS complying with ISO 14971 was performed .....:	See appended RM Results Table 4.2	Pass
4.3	ESSENTIAL PERFORMANCE functions identified according to MANUFACTURER'S policy for RISK acceptability in RISK MANAGEMENT FILE.....:		N/A
	ESSENTIAL PERFORMANCE functions maintained following particular tests as applicable		N/A
4.4	EXPECTED SERVICE LIFE stated in RISK MANAGEMENT FILE.....:	The LCD system expected service life was 3 years that it is specified in RM report.	Pass
4.5	Alternative means of addressing particular RISKS considered acceptable based on MANUFACTURER'S justification that RESIDUAL RISKS resulting from application of alternative means equal to or less than RESIDUAL RISKS resulting from requirements of this standard.....:	No alternative means applied in the evaluation of RM report	N/A
4.6	RISK MANAGEMENT PROCESS identifies parts that can come into contact with PATIENT but not defined as APPLIED PARTS, subjected to the requirements for APPLIED PARTS, except for Clause 7.2.10 .....:	No such parts.	N/A
4.7	ME EQUIPMENT remained SINGLE FAULT SAFE, or the RISK remained acceptable as determined by Clause 4.2 .....:	See appended RM Results Table 4.7	Pass
	Failure of any one component at a time that could result in a HAZARDOUS SITUATION, including those in 13.1, simulated physically or theoretically :	See appended RM Results Table 4.7	Pass
	RISK associated with failure of component during EXPECTED SERVICE LIFE of ME EQUIPMENT taken into account to evaluate if a component should be subjected to failure simulation	See appended RM Results Table 4.7	Pass
4.8	All components and wiring whose failure could result in a HAZARDOUS SITUATION used according to their applicable ratings, except as specified, or by RISK MANAGEMENT PROCESS :	See appended RM Results Table 4.8	Pass
	Reliability of components used as MEANS OF PROTECTION assessed for conditions of use in ME EQUIPMENT, and they complied with one of the following:	See appended RM Results Table 4.8	Pass
	a) Applicable safety requirements of a relevant IEC or ISO standard	See appended Table 8.10	Pass
	b) Requirements of this standard applied in the absence of a relevant IEC or ISO standard	Power adapter complied with the requirements of IEC 60601-1:2005	Pass
4.9	A COMPONENT WITH HIGH-INTEGRITY CHARACTERISTICS provided because a fault in a	No high-integrity was used	N/A

	particular component can generate an unacceptable RISK.....:		
	COMPONENTS WITH HIGH-INTEGRITY CHARACTERISTICS selected and evaluated consistent with their conditions of use and reasonable foreseeable misuse during EXPECTED SERVICE LIFE of ME EQUIPMENT by reviewing RISK MANAGEMENT FILE .....:		N/A
4.10	Power supply		Pass
4.10.1	ME EQUIPMENT is suitable for connection to a SUPPLY MAINS, specified to be connected to a separate power supply, can be powered by an INTERNAL ELECTRICAL POWER SOURCE, or a combination of the three .....:	The product is specified to be connected to a separate power supply	Pass
4.10.2	Maximum rated voltage for ME EQUIPMENT intended to be connected to SUPPLY MAINS is 250 V for HAND-HELD ME EQUIPMENT (V).....:	No hand-held parts	N/A
	- 250 V d.c. or single-phase a.c., or 500 V polyphase a.c. for ME EQUIPMENT and ME SYSTEMS with a RATED input 4 kVA (V).....:	For Adaptor single phase input rating: 100-240Vac, 50/60Hz, 1.9-0.8A, output rating: 24Vdc, 6.25A For Mobile cart computer input rating: 24Vdc, 6.25A	Pass
	- 500 V for all other ME EQUIPMENT and ME SYSTEMS		N/A
4.11	Power input		Pass
	Steady-state measured input of ME EQUIPMENT or ME SYSTEM at RATED voltage and at operating settings indicated in instructions for use did not exceed marked rating by more than 10% ..:	See appended Table 4.11	Pass
	- Measurements on ME EQUIPMENT or a ME SYSTEM marked with one or more RATED voltage ranges made at both upper and lower limits of the range .....:	See appended Table 4.11	Pass
	Measurements made at a voltage equal to the mean value of the range when each marking of RATED input was related to the mean value of relevant voltage range		N/A
	Power input, expressed in volt-amperes, measured with a volt-ampere meter or calculated as the product of steady state current (measured as described above) and supply voltage .....:		N/A

5	**GENERAL REQUIREMENTS FOR TESTING ME EQUIPMENT**		Pass
5.1	TYPE TESTS determined in consideration of Clause 4, in particular 4.2	See appended RM Results Table 5.1	Pass
	Test not performed when analysis indicated condition being tested was adequately evaluated by other tests or methods.....:	See appended RM Results Table 5.1	Pass

	Results of RISK ANALYSIS used to determine combination(s) of simultaneous faults to be tested	See appended RM Results Table 5.1	Pass
5.2	TYPE TESTS conducted on one representative sample under investigation; multiple samples used simultaneously when validity of results was not significantly affected.....:	Multiple samples used	Pass
5.3	a) Tests conducted within the environmental conditions specified in technical description		Pass
	Temperature (°C), Relative Humidity (%) .....:	40 degree C, 5%-95%RH	-
	Atmospheric Pressure (kPa).....:	700-1060hPa	-
	b) ME EQUIPMENT shielded from other influences that might affect the validity of tests	No such situation	N/A
	c) Test conditions modified and results adjusted accordingly when ambient temperature could not be maintained .....:	No such situation	N/A
5.4	a) ME EQUIPMENT tested under least favourable working conditions specified in instructions for use and identified during RISK ANALYSIS, except as noted .....:	See appended RM Results Table 5.4a	Pass
	b) ME EQUIPMENT with adjustable or controlled operating values by anyone other than SERVICE PERSONNEL adjusted to values least favourable for the relevant test per instructions for use	This Integrated LCD Systems was tested with the maximum normal load, see test results table for detail.	N/A
	c) When test results influenced by inlet pressure and flow or chemical composition of a cooling liquid, tests performed within the limits in technical description.....:	no such parts	N/A
	d) Potable water used for cooling	no such parts	N/A
5.5	Supply voltage during tests was the least favourable of the voltages specified in 4.10 or voltages marked on ME EQUIPMENT (V) .....:	Rated voltage: 100-240Vac Tested at 90/100/240/264Vac	Pass
	ME EQUIPMENT marked with a RATED frequency range tested at the least favourable frequency within the range (Hz).....:	Rated frequency: 50-60Hz	Pass
	ME EQUIPMENT with more than one RATED voltage, or both a.c./ d.c. tested in conditions (see 5.4) related to the least favourable voltage, nature of supply, and type of current.....:	Tested at 90/100/240/264Vac, Single phase supply, AC current.	N/A
	ME EQUIPMENT tested with alternative ACCESSORIES and components specified in ACCOMPANYING DOCUMENTS to result in the least favourable conditions.....:		N/A
	ME EQUIPMENT connected to a separate power supply as specified in instructions for use		N/A
5.6	When failure occurred or probability of future failure detected during sequence of tests, per agreement with manufacturer, all tests affecting results conducted on a new sample		Pass
	Alternatively, upon repair and modification of the		Pass

	sample, only the relevant tests conducted		
5.7	ME EQUIPMENT or parts thereof affected by climatic conditions were set up completely, or partially, with covers detached and subjected to a humidity preconditioning prior to tests of Clauses 8.7.4 and 8.8.3 .....:	See Appended RM Results Table 5.7	Pass
	Manually detachable parts removed and treated concurrently with major parts and manually removable ACCESS COVERS were opened and detached		N/A
	ME EQUIPMENT heated to a temperature between T and T + 4 °C for at least 4 h and placed in a humidity chamber with a relative humidity of 93 % ± 3 % and an ambient within 2 °C of T in the range of + 20 °C to + 32 °C for 48 h	25 degree C 93 %RH	Pass
	When RISK MANAGEMENT PROCESS indicated ME EQUIPMENT can be exposed to high humidity for extended periods (i.e., out-door use), test time extended proportionally (h) .....:	48h	Pass
5.8	Unless stated otherwise, tests in this standard sequenced as in Annex B to prevent results of one test on a subsequent test		Pass
5.9	Determination of APPLIED PARTS and ACCESSIBLE PARTS		Pass
5.9.1	APPLIED PARTS identified by inspection and reference to ACCOMPANYING DOCUMENTS.....:		N/A
5.9.2	ACCESSIBLE PARTS		Pass
5.9.2.1	Accessibility, when necessary, determined using standard test finger of Fig 6 applied in a bent or straight position	See Appended Table 5.9.2	Pass
	Openings preventing entry of test finger of Fig. 6 mechanically tested with a straight un-jointed test finger of the same dimensions with a force of 30 N		N/A
	When the straight un-jointed test finger entered, test with the standard test finger (Fig 6) was repeated, if necessary, by pushing the finger through the opening		N/A
5.9.2.2	Test hook of Fig. 7 inserted in all openings of ME EQUIPMENT and pulled with a force of 20 N for 10 s	Openings designed to prevent the possibility for test hook to insert	Pass
	All additional parts that became accessible checked using standard test finger and by inspection		N/A
5.9.2.3	Conductive parts of actuating mechanisms of electrical controls accessible after removal of handles, knobs, levers and the like regarded as ACCESSIBLE PARTS.....:	No accessible conductive part	N/A
	Conductive parts of actuating mechanisms not considered ACCESSIBLE PARTS when removal of handles, knobs, etc. required use of a TOOL, and inspection of RISK MANAGEMENT FILE indicated		N/A

	the relevant part is unlikely to detach unintentionally during EXPECTED SERVICE LIFE of ME EQUIPMENT.....:		

6	**CLASSIFICATION OF ME EQUIPMENT AND ME SYSTEMS**		Pass
6.2	CLASS I ME EQUIPMENT, externally powered	Class I	Pass
	CLASS II ME EQUIPMENT, externally powered	Class I equipment.	N/A
	INTERNALLY POWERED ME EQUIPMENT	.	N/A
	EQUIPMENT with means of connection to a SUPPLY MAINS complied with CLASS I or CLASS II ME EQUIPMENT requirements when so connected, and when not connected to SUPPLY MAINS with INTERNALLY POWERED ME EQUIPMENT requirements		N/A
	TYPE B APPLIED PART	No applied parts used	N/A
	TYPE BF APPLIED PART	No applied parts used	N/A
	TYPE CF APPLIED PART	No applied parts used	N/A
	DEFIBRILLATION-PROOF APPLIED PARTS	No applied parts used	N/A
6.3	ENCLOSURES classified according to degree of protection against ingress of water and particulate matter (IPN1N2) as per IEC 60529.....:	Front Panel (IP65)/Rear (IPX1)	N/A
6.4	ME EQUIPMENT or its parts intended to be sterilized classified according to method(s) of sterilization in instructions for use .....:		N/A
6.5	ME EQUIPMENT and ME SYSTEMS intended for use in an OXYGEN RICH ENVIRONMENT classified for such use and complied with 11.2.2	Equipment not suitable for use in the presence of oxygen rich environment	N/A
6.6	CONTINUOUS or Non-CONTINUOUS OPERATION .....:	Continuous	Pass

7	**ME EQUIPMENT IDENTIFICATION, MARKING, AND DOCUMENTS**		Pass
7.1.1	RISK of poor USABILITY associated with the design of ME EQUIPMENT'S identification and marking addressed in a USABILITY ENGINEERING PROCESS .....:	The product is a LCD system which used for information display and its intended performance will not be affect by usability.	N/A
7.1.2	Legibility of Markings Test for Markings specified in Clause 7.2-7.6.....:	See Appended Table 7.1.2	Pass
7.1.3	Required markings can be removed only with a TOOL or by appreciable force, are durable and remain CLEARLY LEGIBLE during EXPECTED SERVICE LIFE of ME EQUIPMENT in NORMAL USE	See below	Pass
	a) After tests, adhesive labels didn't loosen up or curl up at edges and markings complied with requirements in Clause 7.1.2 .....:	See appended Tables 7.1.3 and 8.10	Pass

	b) Markings required by 7.2-7.6 remained CLEARLY LEGIBLE after marking durability test ..:	See appended Tables 7.1.3 and 8.10	Pass
7.2	Marking on the outside of ME EQUIPMENT or ME EQUIPMENT parts		Pass
7.2.1	At least markings in 7.2.2, 7.2.5, 7.2.6 (not for PERMANENTLY INSTALLED ME EQUIPMENT), 7.2.10, and 7.2.13 were applied when size of EQUIPMENT, its part, an ACCESSORY, or ENCLOSURE did not permit application of all required markings .....:	See attached copy of Marking Plate	Pass
	Remaining markings fully recorded in ACCOMPANYING DOCUMENTS .....:		N/A
	Markings applied to individual packaging when impractical to apply to ME EQUIPMENT		N/A
	A material, component, ACCESSORY, or ME EQUIPMENT intended for a single use, or its packaging marked "Do Not Reuse" or with symbol 28 of Table D.1 (ISO 7000-1051, DB:2004-01) .....:	No such construction	N/A
7.2.2	MANUFACTURER's name or trademark marked on ME EQUIPMENT and detachable components :	onyx Smart Healthcare	Pass
	Misidentification does not present an unacceptable risk	See appended RM Results Table 7.2.2	Pass
	MODEL OR TYPE REFERENCE also marked, except when misidentification would not present an unacceptable RISK.....:	See report page 1 for details.	Pass
	Software forming part of a PEMS identified with a unique identifier, such as revision level or date of release/issue, and identification are available to designated persons.....:	no such parts	N/A
7.2.3	Symbol 11 on Table D.1 (ISO 7000-1641, DB: 2004-01) used, optionally, advice to OPERATOR to consult ACCOMPANYING DOCUMENTS	Provided on label, see label for detail	Pass
	Safety sign 10 on Table D.2 (safety sign IEC 60878 Safety 01) used, advising OPERATOR that ACCOMPANYING DOCUMENTS must be consulted		N/A
7.2.4	ACCESSORIES marked with name or trademark of MANUFACTURER or supplier, and with a MODEL or TYPE REFERENCE .....:	No accessories	N/A
	Markings applied to individual packaging when not practical to apply to ACCESSORIES		N/A
7.2.5	MODEL or TYPE REFERENCE of equipment to be connected to ME EQUIPMENT to provide power, is marked adjacent to the relevant connection point when this connection could result in an unacceptable RISK.....:	No such construction	N/A
7.2.6	Connection to the Supply Mains		Pass
	Except for PERMANENTLY INSTALLED ME EQUIPMENT, marking appearing on the outside of		Pass

	part containing SUPPLY MAINS connection and, adjacent to connection point		
	For PERMANENTLY INSTALLED ME EQUIPMENT, NOMINAL supply voltage or range marked inside or outside of ME EQUIPMENT, preferably, adjacent to supply connection terminals	Not permanently installed	N/A
	- RATED supply voltage(s) or RATED voltage range(s) with a hyphen (-) between minimum and maximum voltages (V, V-V) .....:	For adapter:100-240 Vac For unit: 24Vdc	Pass
	Multiple RATED supply voltages or multiple RATED supply voltage ranges are separated by (V/V) .....:	No Multiple rated supply voltages or multiple rated supply voltage	N/A
	- Nature of supply (e.g., No. of phases, except single-phase) and type of current.....:	Single phase	Pass
	Symbols 1-5, Table D.1 (symbols of IEC 60417-5032, 5032-1, 5032-2, 5031, and 5033, all DB: 2002-10) used, optionally, for same parameters ...:	IEC 60417-5032	Pass
	- RATED supply frequency or RATED frequency range in hertz .....:	50-60Hz	Pass
	- Symbol 9 of Table D.1 (symbol IEC 60417-5172, DB: 2003-02) used for CLASS II ME EQUIPMENT:	Class I equipment	N/A
7.2.7	RATED input in amps or volt-amps, or in watts when power factor exceeds 0.9 (A, VA, W) .....:	For adapter: 1.9-0.8A For computer unit: 6.25A	Pass
	RATED input for one or more RATED voltage ranges provided for upper and lower limits of the range or ranges when the range(s) is/are greater than ± 10 % of the mean value of specified range (A, VA,W) .....:	No such marking	N/A
	Input at mean value of range marked when range limits do not differ by more than 10 % from mean value (A, VA, W).....:		N/A
	Marking includes long-time and most relevant momentary volt-ampere ratings when provided, each plainly identified and indicated in ACCOMPANYING DOCUMENTS (VA) .....:		N/A
	Marked input of ME EQUIPMENT provided with means for connection of supply conductors of other electrical equipment includes RATED and marked output of such means (A, VA, W).....:	24Vdc / 6.25A for unit input rating	Pass
7.2.8	Output connectors		Pass
7.2.8.1	See 16.9.2.1 b) for MULTIPLE SOCKET-OUTLETS integral with ME EQUIPMENT	No multiple socket outlets used	N/A
7.2.8.2	Output connectors are marked, except for MULTIPLE SOCKET-OUTLETS or connectors intended for specified ACCESSORIES or equipment		Pass
	Rated Voltage (V), Rated Current (A) .....:		-
	Rated Power (W), Output Frequency (Hz).....:	--	-
7.2.9	ME EQUIPMENT or its parts marked with the IP	Rated with ingress protection	Pass

	environmental Code per IEC 60529 according to classification in 6.3 (Table D.3, Code 2) .....:	Front Panel (IP65)/Rear (IPX1)	
7.2.10	Degrees of protection against electric shock as classified in 6.2 for all APPLIED PARTS marked with relevant symbols as follows (not applied to parts identified according to 4.6):	No applied parts used	N/A
	TYPE B APPLIED PARTS with symbol 19 of Table D.1 (IEC 60417-5840, DB: 2002-10), not applied in such a way as to give the impression of being inscribed within a square in order to distinguish it from symbol IEC 60417-5333 .....:	No applied parts used	N/A
	TYPE BF APPLIED PARTS with symbol 20 of Table D.1 (IEC 60417-5333, DB: 2002-10).....:	No applied parts used	N/A
	TYPE CF APPLIED PARTS with symbol 21 of Table D.1 (IEC 60417-5335, DB: 2002-10).....:	No applied parts used	N/A
	DEFIBRILLATION-PROOF APPLIED PARTS marked with symbols 25-27 of Table D.1 (IEC 60417-5841, IEC 60417-5334, or IEC 60417-5336, all DB: 2002-10) .....:	Front Panel (IP65)/Rear (IPX1)	Pass
	Proper symbol marked adjacent to or on connector for APPLIED PART, except marked on APPLIED PART when there is no connector, or connector used for more than one APPLIED PART and different APPLIED PARTS with different classifications .....:	No applied parts used	N/A
	Safety sign 2 of Table D.2 (ISO 7010-W001) placed near relevant outlet when protection against effect of discharge of a cardiac defibrillator is partly in the PATIENT cable.....:	No applied parts used	N/A
	An explanation indicating protection of ME EQUIPMENT against effects of discharge of a cardiac defibrillator depends on use of proper cables included in instructions for use .....:	No applied parts used	N/A
7.2.11	ME EQUIPMENT not marked to the contrary assumed to be suitable for CONTINUOUS OPERATION	continuous operation	Pass
	DUTY CYCLE for ME EQUIPMENT intended for non-CONTINUOUS OPERATION appropriately marked to provide maximum "on" and "off" time....:		N/A
7.2.12	Type and full rating of a fuse marked adjacent to ACCESSIBLE fuse-holder	Evaluated in part of power supply	N/A
	Fuse type.....:		-
	Voltage (V) and Current (A) rating .....:		-
	Operating speed (s) and Breaking capacity.....:		-
7.2.13	A safety sign CLEARLY LEGIBLE and visible after INSTALLATION in NORMAL USE applied to a prominent location of EQUIPMENT that produce physiological effects capable of causing HARM to PATIENT or OPERATOR not obvious to OPERATOR .....:	No physiological effects	N/A

	Nature of HAZARD and precautions for avoiding or minimizing the associated RISK described in instructions for use .....:		N/A
7.2.14	HIGH VOLTAGE TERMINAL DEVICES on the outside of ME EQUIPMENT accessible without the use of a TOOL marked with symbol 24 of Table D.1 (symbol IEC 60417-5036, DB: 2002-10)	No such construction	N/A
7.2.15	Requirements for cooling provisions marked (e.g., supply of water or air).....:	No special air shall be provided for cooling but nature air, no marking is required	N/A
7.2.16	ME EQUIPMENT with limited mechanical stability	No special limitation in mechanical stability	N/A
7.2.17	Packaging marked with special handling instructions for transport and/or storage	Packaging with special transportation and storage condition - see carton for detail	Pass
	Permissible environmental conditions for transport and storage marked on outside of packaging .....:	See carton for detail	Pass
	Packaging marked with a suitable safety sign indicating premature unpacking of ME EQUIPMENT could result in an unacceptable RISK .....:	See appended RM Results Table 7.2.17	Pass
	Packaging of sterile ME EQUIPMENT or ACCESSORIES marked sterile		N/A
7.2.18	RATED maximum supply pressure from an external source marked on ME EQUIPMENT adjacent to each input connector .....:	No such construction	N/A
7.2.19	Symbol 7 of Table D.1 (IEC 60417-5017, DB:2002-10) marked on FUNCTIONAL EARTH TERMINAL	No functional earth terminals used	N/A
7.2.20	Protective means, required to be removed to use a particular function of ME EQUIPMENT with alternate applications, marked to indicate the necessity for replacement when the function is no longer needed .....:		N/A
	No marking applied when an interlock provided	No interlocks.	N/A
7.3	Marking on the inside of ME EQUIPMENT or ME EQUIPMENT parts		Pass
7.3.1	Maximum power loading of heating elements or lamp-holders designed for use with heating lamps marked near or in the heater (W) .....:	No heating elements or lamp-holders provided	N/A
	A marking referring to ACCOMPANYING DOCUMENTS provided for heating elements or lamp-holders designed for heating lamps that can be changed only by SERVICE PERSONNEL using a TOOL		N/A
7.3.2	Symbol 24 of Table D.1 (symbol IEC 60417-5036, DB: 2002-10), or safety sign 3 of Table D.2 used to mark presence of HIGH VOLTAGE parts .....:	No high voltage used or present	N/A
7.3.3	Type of battery and mode of insertion when applicable is marked .....:	The Computer is provided with a battery-powered real-time clock circuit.	Pass

	An identifying marking provided referring to instructions in ACCOMPANYING DOCUMENTS for batteries intended to be changed only by SERVICE PERSONNEL using a TOOL.....:	Do not replace battery yourself. Please contact a qualified technician or your retail.	Pass
	A warning provided indicating replacement of lithium batteries or fuel cells when incorrect replacement by inadequately trained personnel would result in an unacceptable RISK (e.g., excessive temperatures, fire or explosion) .....:	Discard used batteries according to the manufacturer's instructions	Pass
	An identifying marking also provided referring to instructions in ACCOMPANYING DOCUMENTS ..:	See user's manual Safety Instructions	Pass
7.3.4	Fuses, replaceable THERMAL CUT-OUTS and OVER-CURRENT RELEASES, accessible by use of a TOOL, marked by type and full rating at the component or by reference to ACCOMPANYING DOCUMENTS	Evaluated in part of power supply	N/A
	Type .....:		-
	Voltage (V) and Current (A) rating .....:		-
	Operating speed (s) and Breaking capacity.....:		-
7.3.5	PROTECTIVE EARTH TERMINAL marked with symbol 6 of Table D.1 (IEC 60417-5019, DB: 2002-10), except for the PROTECTIVE EARTH TERMINAL in an APPLIANCE INLET according to IEC 60320-1	Evaluated in part of power supply	N/A
	Markings on or adjacent to PROTECTIVE EARTH TERMINALS not applied to parts requiring removal to make the connection, and remained visible after connection made		N/A
7.3.6	Symbol 7 of Table D.1 (IEC 60417-5017, DB: 2002 -10) marked on FUNCTIONAL EARTH TERMINALS	No functional earth terminals used	N/A
7.3.7	Terminals for supply conductors marked adjacent to terminals, except when no HAZARD would result when interchanging connections	Evaluated in part of power supply	N/A
	Terminal markings included in ACCOMPANYING DOCUMENTS when ME EQUIPMENT too small to accommodate markings	No functional earth terminals	N/A
	Terminals exclusively for neutral supply conductor in PERMANENTLY INSTALLED ME EQUIPMENT marked with Code 1 of Table D.3 (Code in IEC 60445)		N/A
	Marking for connection to a 3-phase supply, if necessary, complies with IEC 60445	Single phase	N/A
	Markings on or adjacent to electrical connection points not applied to parts requiring removal to make connection, and remained visible after connection made		N/A
7.3.8	For supply connections, use wiring materials suitable for at least X °C (where X > than max temperature measured in terminal box or wiring		N/A

	compartment under NORMAL USE), or equivalent, marked at the point of supply connections		
	Statement not applied to parts requiring removal to make the connection, and CLEARLY LEGIBLE after connections made		N/A
7.4	Marking of controls and instruments		Pass
7.4.1	The "on" & "off" positions of switch to control power to ME EQUIPMENT or its parts, including mains switch, marked with symbols 12 and 13 of Table D.1 (IEC 60417-5007, DB: 2002-10, and IEC 60417-5008, DB: 2002-10), or	No ON/OFF switch provided	N/A
	- indicated by an adjacent indicator light, or	Indicator light provided in front panel to indicate the power ON and OFF	Pass
	- indicated by other unambiguous means		N/A
	The "on/off" positions of push button switch with bi-stable positions marked with symbol 14 of Table D.1 (IEC 60417-5010 DB: 2002-10), and		N/A
	- status indicated by adjacent indicator light		N/A
	- status indicated by other unambiguous means		N/A
	The "on/off" positions of push button switch with momentary on position marked with symbol 15 of Table D.1 (symbol 60417-5011 DB: 2002-10), or		N/A
	- status indicated by adjacent indicator light		N/A
	- status indicated by other unambiguous means		N/A
7.4.2	Different positions of control devices/switches indicated by figures, letters, or other visual means	Push bottom provided in front panel to indicate the power ON and OFF	Pass
	Controls provided with an associated indicating device when change of setting of a control could result in an unacceptable RISK to PATIENT in NORMAL USE, or	No setting/ control will result risk to patient when normal use.	N/A
	- an indication of direction in which magnitude of the function changes		N/A
7.4.3	Numeric indications of parameters on ME EQUIPMENT expressed in SI units according to ISO 31 except the base quantities listed in Table 1 expressed in the indicated units		N/A
	ISO 1000 applied for application of SI units, their multiples, and certain other units		N/A
	All Markings in Sub-clause 7.4 complied with tests and criteria of 7.1.2 and 7.1.3		N/A
7.5	Safety signs		N/A
	Markings used to convey a warning, prohibition or mandatory action mitigating a RISK not obvious to OPERATOR are safety signs from ISO 7010	No such function	N/A
	Affirmative statement together with safety sign placed in instructions for use if insufficient space on		N/A

	ME EQUIPMENT		
	Specified colours in ISO 3864-1 used for safety signs .....:		N/A
	Safety notices include appropriate precautions or instructions on how to reduce RISK(S)		N/A
	Safety signs including any supplementary text or symbols described in instructions for use		N/A
7.6	Symbols		Pass
7.6.1	Meanings of symbols used for marking described in instructions for use .....:	Explanation provided for each related marking - see Equipment symbol	Pass
7.6.2	Symbols required by this standard conform to IEC or ISO publication referenced	Complied with table D.1	Pass
7.6.3	Symbols used for controls and performance conform to the IEC or ISO publication where symbols are defined, as applicable	No such function	N/A
7.7	Colours of the insulation of conductors		Pass
7.7.1	PROTECTIVE EARTH CONDUCTOR identified by green and yellow insulation		N/A
7.7.2	Insulation on conductors inside ME EQUIPMENT forming PROTECTIVE EARTH CONNECTIONS identified by green and yellow at least at terminations		N/A
7.7.3	Green and yellow insulation identify only following conductors:		N/A
	- PROTECTIVE EARTH CONDUCTORS		N/A
	- conductors specified in 7.7.2		N/A
	- POTENTIAL EQUALIZATION CONDUCTORS	No potential equalization terminals used	N/A
	- FUNCTIONAL EARTH CONDUCTORS	No functional earth terminals used	N/A
7.7.4	Neutral conductors of POWER SUPPLY CORDS are "light blue" specified in IEC 60227-1 or IEC 60245-1		N/A
7.7.5	Colours of conductors in POWER SUPPLY CORDS in accordance with IEC 60227-1 or IEC 60245-1		Pass
7.8	Indicator lights and controls		N/A
7.8.1	Red indicator lights mean: Warning (i.e., immediate response by OPERATOR required)	No red color indicator light	N/A
	Yellow indicator lights mean: Caution (i.e., prompt response by OPERATOR required)		N/A
	Green indicator lights mean: Ready for use	Green LED used	N/A
	Other colours, if used: Meaning other than red, yellow, or green (colour, meaning).....:		N/A
7.8.2	Red used only for emergency control	No such function	N/A

7.9	ACCOMPANYING DOCUMENTS		Pass
7.9.1	ME EQUIPMENT accompanied by documents containing at least instructions for use, and a technical description	User manual provided	Pass
	ACCOMPANYING DOCUMENTS identify ME EQUIPMENT by the following, as applicable:		Pass
	- Name or trade-Name of MANUFACTURER and an address the RESPONSIBLE ORGANIZATION can be referred to.....:	ONYX HEALTHCARE INC	Pass
	- MODEL or TYPE REFERENCE .....:	See report page 1 for details.	Pass
	When ACCOMPANYING DOCUMENTS provided electronically (e.g., on CDROM), RISK MANAGEMENT PROCESS includes instructions as to what is required in hard copy or as markings on ME EQUIPMENT (for emergency operation)	See Appended RM Results Table 7.9.1	Pass
	ACCOMPANYING DOCUMENTS specify special skills, training, and knowledge required of OPERATOR or RESPONSIBLE ORGANIZATION and environmental restrictions on locations of use		N/A
	ACCOMPANYING DOCUMENTS written at a level consistent with education, training, and other needs of individuals for whom they are intended		N/A
7.9.2	Instructions for use include the required information		Pass
7.9.2.1	- intended use of ME EQUIPMENT,	See User Manual: Safety Instructions	Pass
	- frequently used functions, and	No specified function be defined as frequently use	N/A
	- known contraindication(s) to use of ME EQUIPMENT		N/A
	Classifications as in Clause 6, all markings per Clause 7.2, and explanation of safety signs and symbols marked on ME EQUIPMENT		Pass
	Instructions for use are in a language acceptable to the intended operator	Written in English which is international common-used language	Pass
7.9.2.2	Instructions for use include all warning and safety notices		Pass
	Warning statement for CLASS I ME EQUIPMENT indicating: "WARNING: To avoid risk of electric shock, this equipment must only be connected to a supply mains with protective earth"	See User Manual: Safety Instructions	Pass
	Warnings regarding significant RISKS of reciprocal interference posed by ME EQUIPMENT during specific investigations or treatments		N/A
	Information on potential electromagnetic or other interference and advice on how to avoid or minimize such interference	To be evaluated in the end system assembly.	N/A
	Warning statement for ME EQUIPMENT supplied with an integral MULTIPLE SOCKET-OUTLET	No multiple socket-outlet	N/A

	indicating, "connecting electrical equipment to MSO effectively leads to creating an ME SYSTEM, and can result in a reduced level of safety"		
	The RESPONSIBLE ORGANIZATION is referred to this standard for the requirements applicable to ME SYSTEMS	No system been defined	N/A
7.9.2.3	Statement on ME EQUIPMENT for connection to a separate power supply indicating "power supply is specified as a part of ME EQUIPMENT or combination is specified as a ME SYSTEM"	Specified power supply was indicated on the label	N/A
7.9.2.4	Warning statement for mains- operated ME EQUIPMENT with additional power source not automatically maintained in a fully usable condition indicating the necessity for periodic checking or replacement of power source	The power supply is full usable condition, no warning statement is required	N/A
	Warning to remove primary batteries when ME EQUIPMENT is not likely to be used for some time when leakage from battery would result in an unacceptable RISK.....:	No primary battery used.	N/A
	Specifications of replaceable INTERNAL ELECTRICAL POWER SOURCE when provided .:		N/A
	Warning indicating ME EQUIPMENT must be connected to an appropriate power source when loss of power source would result in an unacceptable RISK.....:		N/A
7.9.2.5	Instructions for use include a description of ME EQUIPMENT, its functions, significant physical and performance characteristics together with the expected positions of OPERATOR, PATIENT, or other persons near ME EQUIPMENT in NORMAL USE	See User Manual: Safety Instructions	Pass
	Information provided on materials and ingredients PATIENT or OPERATOR is exposed to when such exposure can constitute an unacceptable RISK		N/A
	Restrictions specified on other equipment or NETWORK/DATA COUPLINGS, other than those forming part of an ME SYSTEM, to which a SIGNAL INPUT/OUTPUT PART may be connected		N/A
	APPLIED PARTS specified	No applied parts used	N/A
7.9.2.6	Information provided indicating where the installation instructions may be found or information on qualified personnel who can perform the installation	See User Manual: Introduction	Pass
7.9.2.7	Instructions provided indicating not to position ME EQUIPMENT to make it difficult to operate the disconnection device when an APPLIANCE COUPLER or separable plug is used as isolation means to meet 8.11.1 a)	See User Manual: I/O Panels & Function Buttons	Pass
7.9.2.8	Necessary information provided for OPERATOR to bring ME EQUIPMENT into operation including initial control settings, and connection to or	See User Manual: Introduction	Pass

	positioning of PATIENT prior to use of ME EQUIPMENT, its parts, or ACCESSORIES		
7.9.2.9	Information provided to operate ME EQUIPMENT including explanation of controls, displays and signals, sequence of operation, connection of detachable parts or ACCESSORIES, replacement of material consumed during operation	See User Manual: Introduction	Pass
	Meanings of figures, symbols, warning statements, abbreviations and indicator lights described in instructions for use	See User Manual: Intended of Use	Pass
7.9.2.10	A list of all system messages, error messages, and fault messages provided with an explanation of messages including important causes and possible action(s) to be taken to resolve the problem indicated by the message		N/A
7.9.2.11	Information provided for the OPERATOR to safely terminate operation of ME EQUIPMENT	See User Manual: Safety Instructions	Pass
7.9.2.12	Information provided on cleaning, disinfection, and sterilization methods, and applicable parameters that can be tolerated by ME EQUIPMENT parts or ACCESSORIES specified	See User Manual: Safety Instructions	Pass
	Components, ACCESSORIES or ME EQUIPMENT marked for single use, except when required by MANUFACTURER to be cleaned, disinfected, or sterilized prior to use		N/A
7.9.2.13	Instructions provided on preventive inspection, calibration, maintenance and its frequency		N/A
	Information provided for safe performance of routine maintenance necessary to ensure continued safe use of ME EQUIPMENT		N/A
	Parts requiring preventive inspection and maintenance to be performed by SERVICE PERSONNEL identified including periods of application		N/A
	Instructions provided to ensure adequate maintenance of ME EQUIPMENT containing rechargeable batteries to be maintained by anyone other than SERVICE PERSONNEL		N/A
7.9.2.14	A list of ACCESSORIES, detachable parts, and materials for use with ME EQUIPMENT provided		N/A
	Other equipment providing power to ME SYSTEM sufficiently described (e.g. part number, RATED VOLTAGE, max or min power, protection class, intermittent or continuous service)		N/A
7.9.2.15	RISKS associated with disposal of waste products, residues, etc., and of ME EQUIPMENT and ACCESSORIES at the end of their EXPECTED SERVICE LIFE are identified, and instructions provided on minimizing these RISKS .....:	See User Manual: Explanation of Graphical Symbols	Pass
7.9.2.16	Instructions for use include information specified in		Pass

	7.9.3 or identify where it can be found (e.g. in a service manual)		
7.9.3	Technical description		Pass
7.9.3.1	All essential data provided for safe operation, transport, storage, and measures or conditions necessary for installing ME EQUIPMENT, and preparing it for use including the following:		Pass
	- information as in clause 7.2		N/A
	- permissible environmental conditions of use including conditions for transport and storage	See User Manual: SPECIFICATIONS	Pass
	- all characteristics of ME EQUIPMENT including range(s), accuracy, and precision of displayed values or where they can be found	See User Manual: SPECIFICATIONS	Pass
	- special installation requirements such as max. permissible apparent impedance of supply MAINS		N/A
	- permissible range of values of inlet pressure and flow, and chemical composition of cooling liquid used for cooling		N/A
	- a description of means of isolating ME EQUIPMENT from supply MAINS, when such means not in ME EQUIPMENT	Medical grade power supply provided as means of insulation	Pass
	- a description of means for checking oil level in partially sealed oil filled ME EQUIPMENT or its parts when applicable		N/A
	- a warning statement addressing HAZARDS that can result from unauthorized modification of ME EQUIPMENT according to following examples	See below.	Pass
	WARNING: No modification of this equipment is allowed		N/A
	WARNING: Do not modify this equipment without authorization of the manufacturer	See User Manual: Safety Instructions	Pass
	WARNING: If this equipment is modified, appropriate inspection and testing must be conducted to ensure continued safe use of equipment		N/A
	Technical description separable from instructions for use contains required information, as follows		N/A
	- information as in clause 7.2	The technical description in part of the installation instructions.	N/A
	- all applicable classifications in Clause 6, warning and safety notices, and explanation of safety signs marked on ME EQUIPMENT		N/A
	- a brief description of ME EQUIPMENT, how it functions, and its significant physical and performance characteristics		N/A
	MANUFACTURER'S optional requirements for minimum qualifications of SERVICE PERSONNEL documented in technical description		N/A

7.9.3.2	The technical description contains the following required information		N/A
	-TYPE and full rating of fuses used in supply MAINS external to PERMANENTLY INSTALLED ME EQUIPMENT, when TYPE and rating of fuses are not apparent from information on RATED current and mode of operation of ME EQUIPMENT		N/A
	- a statement for ME EQUIPMENT with a non-DETACHABLE POWER SUPPLY CORD if POWER SUPPLY CORD is replaceable by SERVICE PERSONNEL, and if so, instructions for correct connection and anchoring to ensure compliance with 8.11.3		N/A
	- instructions for correct replacement of interchangeable or DETACHABLE parts specified by MANUFACTURER as replaceable by SERVICE PERSONNEL, and		N/A
	- warnings identifying Nature of HAZARD when replacement of a component could result in an unacceptable RISK, and when replaceable by SERVICE PERSONNEL all information necessary to safely replace the component		N/A
7.9.3.3	Technical description indicates, MANUFACTURER will provide circuit diagrams, component part lists, descriptions, calibration instructions to assist to SERVICE PERSONNEL in parts repair	See User Manual only qualified service personnel should open the equipment	N/A
7.9.3.4	Means used to comply with requirements of 8.11.1 clearly identified in technical description	Isolation power supply provided as source of electricity	N/A

8	**PROTECTION AGAINST ELECTRICAL HAZARDS FROM ME EQUIPMENT**		Pass
8.1	Limits specified in Clause 8.4 not exceeded for ACCESSIBLE PARTS and APPLIED PARTS in NORMAL or SINGLE FAULT CONDITIONS	See Appended RM Results Table 8.1b(1)	Pass
	NORMAL CONDITION considered as simultaneous occurrence of situations identified in 8.1a)		Pass
	SINGLE FAULT CONDITION considered to include the occurrences as specified in Clause 8.1b) .....:	See appended RM Results Table 8.1b (1)	Pass
	ACCESSIBLE PARTS determined according to 5.9		Pass
	LEAKAGE CURRENTS measured according to 8.7	See appended Table 8.7	Pass
8.2	Requirements related to power sources		Pass
8.2.1	When ME EQUIPMENT specified for connection to a separate power source other than SUPPLY MAINS, separate power source considered as part of ME EQUIPMENT or combination considered as an ME SYSTEM	Separated power supply was considered as part of ME Equipment	Pass
	Tests performed with ME EQUIPMENT connected to separate power supply when one specified		Pass

	When a generic separate power supply specified, specification in ACCOMPANYING DOCUMENTS examined	Specification of specified power supply examined	Pass
8.2.2	No HAZARDOUS SITUATION other than absence of ESSENTIAL PERFORMANCE developed when a connection with wrong polarity made for ME EQUIPMENT from an external d.c. source	Design of plug will prevent wrong polarity connection; and no hazardous situation even absence of Essential performance	Pass
	ME EQUIPMENT connected with correct polarity did not present an unacceptable RISK		Pass
	Protective devices that can be reset by anyone without a TOOL restore correct operation on reset	No resettable protective device	N/A
8.3	Classification of APPLIED PARTS		N/A
	a) APPLIED PART specified in ACCOMPANYING DOCUMENTS as suitable for DIRECT CARDIAC APPLICATION is TYPE CF	No applied parts used	N/A
	b) An APPLIED PART provided with a PATIENT CONNECTION intended to deliver electrical energy or an electrophysiological signal to or from PATIENT is TYPE BF or CF APPLIED PART	No applied parts used	N/A
	c) An APPLIED PART not covered by a) or b) is a TYPE B, BF, or CF	No applied parts used	N/A
	d) Requirements of a TYPE B APPLIED PART applied to a part in 4.6 to be subjected to requirements for an APPLIED PART (except marking)	No parts that are not applied parts that need to be treated as applied parts used	N/A
	Requirements for a TYPE BF or CF APPLIED PART applied as in RISK MANAGEMENT PROCESS	No parts that are not applied parts that need to be treated as applied parts used	N/A
8.4	Limitation of voltage, current or energy		Pass
8.4.1	PATIENT CONNECTIONS intended to deliver Current		N/A
	Limits in 8.4.2 not applied to currents intended to flow through body of PATIENT to produce a physiological effect during NORMAL USE	No applied parts used	N/A
8.4.2	ACCESSIBLE PARTS including APPLIED PARTS		Pass
	a) Currents from, to, or between PATIENT CONNECTIONS did not exceed limits for PATIENT LEAKAGE CURRENT and PATIENT AUXILIARY CURRENT per Tables 3 and 4 when measured according to Clause 8.7.4 .....:		N/A
	b) LEAKAGE CURRENTS from, to, or between ACCESSIBLE PARTS did not exceed limits for TOUCH CURRENT in Cl. 8.7.3 c) when measured per Clause 8.7.4 (mA) .....:	See appended Table 8.7	Pass
	c) Limits specified in b) not applied to parts when probability of a connection to a PATIENT, directly or through body of OPERATOR, is negligible in NORMAL USE, and the OPERATOR is appropriately instructed	See Appended RM Results Table 8.4.2c	Pass

	- accessible contacts of connectors		Pass
	- contacts of fuseholders accessible during replacement of fuse		N/A
	- contacts of lampholders accessible after removal of lamp		N/A
	- parts inside an ACCESS COVER that can be opened without a TOOL, or where a TOOL is needed but the instructions for use instruct an OPERATOR other than SERVICE PERSONNEL to open the relevant ACCESS COVER		N/A
	Voltage to earth or to other ACCESSIBLE PARTS did not exceed 42.4 V peak a.c. or 60 V d.c. for above parts in NORMAL or single fault condition (V a.c. or d.c.) .....:	Evaluated in part of power supply	N/A
	Limit of 60 V d.c. applied with no more than 10% peak-to-peak ripple, and when ripple larger than specified value, 42.4 V peak limit applied (V d.c.) .:		N/A
	Energy did not exceed 240 VA for longer than 60 s or stored energy available did not exceed 20 J at a potential up to 2 V (VA or J) .....:		N/A
	LEAKAGE CURRENT limits referred to in 8.4.2 b) applied when voltages higher than limits in 8.4.2 c) were present (mA).....:		N/A
	d) Voltage and energy limits specified in c) above also applied to the following:		Pass
	- internal parts, other than contacts of plugs, connectors and socket-outlets, touchable by test pin in Fig 8 inserted through an opening in an ENCLOSURE; and	Product was designed with construction that internal live part cannot be touch by test pin , rod and hook	Pass
	- internal parts touchable by a metal test rod with a diameter of 4 mm and a length of 100 mm, inserted through any opening on top of ENCLOSURE or through any opening provided for adjustment of pre-set controls using a TOOL		Pass
	Test pin or the test rod inserted through relevant openings with minimal force of no more than 1 N		Pass
	Test rod inserted in every possible position through openings provided for adjustment of pre-set controls that can be adjusted in NORMAL USE, with a force of 10 N		Pass
	Test repeated with a TOOL specified in instructions for use		N/A
	Test rod freely and vertically suspended through openings on top of ENCLOSURE		N/A
	e) Devices used to de-energize parts when an ACCESS COVER opened without a TOOL gives access to parts at voltages above levels permitted by this Clause comply with 8.11.1 for mains isolating switches and remain effective in SINGLE FAULT CONDITION	Need tool to open access cover.	N/A

	A TOOL is required when it is possible to prevent the devices from operating		N/A
8.4.3	Worst case voltage between pins of plug and between either supply pin and ENCLOSURE did not exceed 60 V one s after disconnecting the plug of ME EQUIPMENT or its parts (V).....:	Evaluated in part of power supply	N/A
	A triggering circuit used to ensure disconnection occurred at peak of supply voltage waveform		N/A
	When voltage exceeded 60 V, calculated or measured stored charge didn't exceed 45 uC .....:	Evaluated in part of power supply	N/A
8.4.4	Residual voltage of conductive parts of capacitive circuits, having become accessible after ME EQUIPMENT was de-energized after removal of ACCESS COVERS, didn't exceed 60V or calculated stored charge didn't exceed 45uC .....:	Evaluated in part of power supply	N/A
	A device manually discharging capacitors used when automatic discharging was not possible and ACCESS COVERS could be removed only with aid of a TOOL		N/A
	Capacitor(s) and connected circuitry marked with symbol 24 of Table D.1 (IEC 60417-5036, DB: 2002-10), and manual discharging device specified in technical description.....:		N/A
8.5	Separation of parts		Pass
8.5.1	MEANS OF PROTECTION (MOP)		Pass
8.5.1.1	Two MEANS of PROTECTION provided for ME EQUIPMENT to prevent APPLIED and other ACCESSIBLE PARTS from exceeding limits in 8.4		Pass
	Each MEANS OF PROTECTION categorized as a MEANS OF PATIENT PROTECTION or a MEANS OF OPERATOR PROTECTION, taking into account Clause 4.6, and flow chart in Fig A.12	Evaluated in part of power supply - 2 MOPP provided between primary to secondary circuit	Pass
	Varnishing, enameling, oxidation, and similar protective finishes and coatings with sealing compounds replasticizing at temperatures expected during operation and sterilization disregarded as MEANS OF PROTECTION		N/A
	Coatings and other insulation intended as a MEANS OF PROTECTION complying with IEC 60950-1:2001 considered acceptable as a MEANS OF OPERATOR PROTECTION but not automatically as a MEANS OF PATIENT PROTECTION		N/A
	RISK MANAGEMENT PROCESS taken into consideration for MEANS OF PATIENT PROTECTION		Pass
	Components and wiring forming a MEANS OF PROTECTION comply with 8.10		Pass
	Insulation, CREEPAGE, CLEARANCES, components or earth connections not complying		Pass

	with 8.5.1.2 and 8.5.1.3 not considered as MEANS OF PROTECTION, and failure of these parts regarded as NORMAL CONDITION		
8.5.1.2	MEANS OF PATIENT PROTECTION (MOPP)	MOPP considered and provided.	Pass
	Solid insulation forming a MEANS OF PATIENT PROTECTION complied with dielectric strength test of Clause 8.8 at test voltage of Table 6	Evaluated in part of power supply	Pass
	CREEPAGE and CLEARANCES forming a MEANS OF PATIENT PROTECTION complied with Table 12	MOPP provided	Pass
	PROTECTIVE EARTH CONNECTIONS forming a MEANS OF PATIENT PROTECTION complied with Cl. 8.6	Evaluated in part of power supply	Pass
	A Y1 capacitor complying with IEC 60384-14 and having passed dielectric strength test for two MEANS OF PATIENT PROTECTION considered equivalent to one MEANS OF PATIENT PROTECTION	Evaluated in part of power supply	Pass
	Two capacitors used in series, each RATED for total WORKING VOLTAGE across the pair and have the same NOMINAL capacitance	Evaluated in part of power supply	Pass
	Voltage Total Working (V) and C Nominal (uF) .....:	600Vpk	-
8.5.1.3	MEANS OF OPERATOR PROTECTION (MOOP)		N/A
	Solid insulation forming a MEANS OF OPERATOR PROTECTION complied with:		N/A
	- dielectric strength test of 8.8 at test voltage of Table 6; or		N/A
	- requirements of IEC 60950-1 for INSULATION CO-ORDINATION		N/A
	CREEPAGE and CLEARANCES forming a MEANS OF OPERATOR PROTECTION complied with:		N/A
	- limits of Tables 13 to 16 (inclusive); or	Evaluated in part of power supply - 2 MOPP provided between primary to secondary circuit	N/A
	- requirements of IEC 60950-1 for INSULATION CO-ORDINATION		N/A
	PROTECTIVE EARTH CONNECTIONS forming a MEANS OF OPERATOR PROTECTION complied with Cl. 8.6, or	Evaluated in part of power supply	N/A
	- requirements and tests of IEC 60950-1 for protective earthing.....:	Evaluated in part of power supply	N/A
	A Y2 capacitor complying with IEC 60384-14 and passing dielectric strength test for one MEANS OF OPERATOR PROTECTION considered equivalent to one MEANS OF OPERATOR PROTECTION ...:		N/A
	A Y1 capacitor complying with IEC 60384-14 and		N/A

	having passed dielectric strength test for two MEANS OF OPERATOR PROTECTION considered equivalent to two MEANS OF OPERATOR PROTECTION .....:		
	Two capacitors used in series each RATED for total WORKING VOLTAGE across the pair and have the same NOMINAL capacitance	Evaluated in part of power supply - 2 MOPP provided between primary to secondary circuit	N/A
	Voltage Total Working (V) and C Nominal (uF) .....:		-
	Points at which impedances of components, CREEPAGE, CLEARANCES, PROTECTIVE EARTH CONNECTIONS or insulation, prevent ACCESSIBLE PARTS from exceeding limits in 8.4 examined whether a failure at any of these points is to be regarded as a NORMAL or SINGLE FAULT CONDITION		N/A
	A MEANS OF PROTECTION protecting APPLIED PARTS, or parts identified by 4.6 as parts subject to the same requirements, considered MEANS OF PATIENT PROTECTION .....:		N/A
	A MEANS OF PROTECTION protecting other parts considered MEANS OF OPERATOR PROTECTION.....:		N/A
8.5.2	Separation of PATIENT CONNECTIONS		N/A
8.5.2.1	PATIENT CONNECTIONS of F-TYPE APPLIED PART separated from all other parts by equivalent to one MEANS OF PATIENT PROTECTION for a WORKING VOLTAGE equal to maximum MAINS VOLTAGE and complied with limit for PATIENT LEAKAGE CURRENT at 110 % of max. MAINS VOLTAGE .....:	No type F applied parts used or parts needed to be treated as type F applied parts	N/A
	Separation requirement not applied between multiple functions of a single F-TYPE APPLIED PART	No type F applied parts used or parts needed to be treated as type F applied parts	N/A
	PATIENT CONNECTIONS treated as one APPLIED PART in the absence of electrical separation between PATIENT CONNECTIONS of same or another function	No type F applied parts used or parts needed to be treated as type F applied parts	N/A
	MANUFACTURER has defined if multiple functions are to be considered as all within one APPLIED PART or as multiple APPLIED PARTS .....:	No type F applied parts used or parts needed to be treated as type F applied parts	N/A
	Classification as TYPE BF, CF, or DEFIBRILLATION-PROOF applied to one entire APPLIED PART	No type F applied parts used or parts needed to be treated as type F applied parts	N/A
	LEAKAGE CURRENT tests conducted per 8.7.4 ..:	No type F applied parts used or parts needed to be treated as type F applied parts	N/A
	Dielectric strength test conducted per 8.8.3.....:	No type F applied parts used or parts needed to be treated as type F applied parts	N/A

	CREEPAGE and CLEARANCES measured per 8.9 and Tables 11 to 16 as applicable	No type F applied parts used or parts needed to be treated as type F applied parts	N/A
	A protective device connected between PATIENT CONNECTIONS of an F-TYPE APPLIED PART and ENCLOSURE to protect against excessive voltages did not operate below 500 V r.m.s.	No type F applied parts used or parts needed to be treated as type F applied parts	N/A
8.5.2.2	PATIENT CONNECTIONS of a TYPE B APPLIED PART not PROTECTIVELY EARTHED are separated by one MEANS OF PATIENT PROTECTION from metal ACCESSIBLE PARTS not PROTECTIVELY EARTHED.....:	No type B applied parts or parts needed to be treated as type B applied parts	N/A
	- except when metal ACCESSIBLE PART is physically close to APPLIED PART and can be regarded as a part of APPLIED PART; and	No type B applied parts or parts needed to be treated as type B applied parts	N/A
	- RISK that metal accessible PART will make contact with a source of voltage or LEAKAGE current above permitted limits is acceptably low	No type B applied parts or parts needed to be treated as type B applied parts	N/A
	LEAKAGE CURRENT tests conducted per 8.7.4 ..:	No type B applied parts or parts needed to be treated as type B applied parts	N/A
	Dielectric strength test conducted per 8.8.3.....:	No type B applied parts or parts needed to be treated as type B applied parts	N/A
	Relevant CREEPAGE and CLEARANCES measured per 8.9 and Tables 11 to 16 as applicable	No type B applied parts or parts needed to be treated as type B applied parts	N/A
	The RISK MANAGEMENT FILE reviewed	No type B applied parts or parts needed to be treated as type B applied parts	N/A
8.5.2.3	A connector on a PATIENT lead located at the end of the lead remote from PATIENT, with conductive part not separated from all PATIENT CONNECTIONS by one MEANS OF PATIENT PROTECTION for a WORKING VOLTAGE equal to MAXIMUM MAINS VOLTAGE		N/A
	- cannot be connected to EARTH or hazardous voltage while the PATIENT CONNECTIONS are in contact with PATIENT .....:		N/A
	- conductive part of connector not separated from all PATIENT CONNECTIONS did not come into contact with a flat conductive plate of not less than 100 mm diameter		N/A
	- CLEARANCE between connector pins and a flat surface is at least 0.5 mm		N/A
	- conductive part pluggable into a mains socket protected from making contact with parts at MAINS VOLTAGE by insulation with a CREEPAGE DISTANCE of at least 1.0 mm, a 1500 V dielectric strength and complying with 8.8.4.1		N/A
	- required test finger did not make electrical contact with conductive part when applied against access		N/A

	openings with a force of 10 N, except when RISK MANAGEMENT PROCESS indicated no unacceptable RISK existed from contact with objects other than a mains .....:		
8.5.3	MAXIMUM MAINS VOLTAGE		Pass
	- MAXIMUM MAINS voltage determined to be the highest RATED supply voltage for single-phase or d.c. supply MAINS powered ME EQUIPMENT, as well as INTERNALLY powered ME EQUIPMENT with a means of connection to a supply MAINS (V)	240Vac	Pass
	When less than 100 V, MAXIMUM MAINS VOLTAGE was 250 V		N/A
	- MAXIMUM MAINS voltage was the highest RATED phase to neutral supply voltage for poly-phase ME EQUIPMENT (V)	Not poly-phase ME equipment	N/A
	- for other INTERNALLY POWERED ME EQUIPMENT, maximum mains voltage was 250 V	Not internally powered me equipment	N/A
8.5.4	WORKING VOLTAGE		Pass
	- Input supply voltage to ME EQUIPMENT was RATED voltage or voltage within RATED range resulting in highest measured value (V).....:	240Vac	Pass
	- WORKING VOLTAGE for d.c. voltages with superimposed ripple was average value when peak-to-peak ripple less than 10% of average value or peak voltage when peak-to-peak ripple exceeding 10% of average value (V) .....:		N/A
	- WORKING voltage for each means of PROTECTION forming DOUBLE insulation was voltage DOUBLE insulation, as a whole, subjected to (V)	See Insulation Diagram and Insulation Table - Evaluated in part of power supply	Pass
	- Intentional or accidental earthing of PATIENT regarded as a NORMAL CONDITION for WORKING voltage involving a PATIENT connection not connected to EARTH	No patient connections	N/A
	- WORKING voltage between PATIENT CONNECTIONS of an F-TYPE APPLIED PART and ENCLOSURE was highest voltage appearing across insulation in NORMAL use including earthing of any PART of APPLIED PART (V)	No patient connections	N/A
	- WORKING voltage for DEFIBRILLATION-PROOF APPLIED parts determined disregarding possible presence of DEFIBRILLATION voltages	No Defibrillation-proof applied parts	N/A
	- WORKING voltage was equal to resonance voltage in case of motors provided with capacitors between the point where a winding and a capacitor are connected together and a terminal for external CONDUCTORS (V)	No motors used	N/A
8.5.5	DEFIBRILLATION-PROOF APPLIED PARTS	No defibrillation-protected applied parts or parts needed to be treated as defibrillation-	N/A

		protected applied parts	
8.5.5.1	Classification "DEFIBRILLATION-PROOF APPLIED PART" applied to one APPLIED PART in its entirety, but not separate functions of same APPLIED PART	No defibrillation-protected applied parts or parts needed to be treated as defibrillation-protected applied parts	N/A
	Possibility of an OPERATOR receiving a shock from such parts taken into consideration in RISK MANAGEMENT PROCESS	No defibrillation-protected applied parts or parts needed to be treated as defibrillation-protected applied parts	N/A
	Isolation of PATIENT CONNECTIONS of a DEFIBRILLATION-PROOF APPLIED PART from other parts of ME EQUIPMENT accomplished as follows:	No defibrillation-protected applied parts or parts needed to be treated as defibrillation-protected applied parts	N/A
	a) No hazardous electrical energies appear during a discharge of cardiac defibrillator .....:	No defibrillation-protected applied parts or parts needed to be treated as defibrillation-protected applied parts	N/A
	b) ME EQUIPMENT complied with relevant requirements of this standard, providing BASIC SAFETY and ESSENTIAL PERFORMANCE following exposure to defibrillation voltage, and recovery time stated in ACCOMPANYING DOCUMENTS .....:	No defibrillation-protected applied parts or parts needed to be treated as defibrillation-protected applied parts	N/A
8.5.5.2	Means provided to limit energy delivered to a 100 Ohm load to at least 90% of energy delivered to this load with ME EQUIPMENT disconnected .....:	No defibrillation-protected applied parts or parts needed to be treated as defibrillation-protected applied parts	N/A
8.6	Protective and functional earthing and potential equalization of ME EQUIPMENT		Pass
8.6.1	Requirements of 8.6.2 to 8.6.8 applied		N/A
	Parts complying with IEC 60950-1 for protective earthing and serving as MEANS OF OPERATOR PROTECTION but not PATIENT PROTECTION exempted from requirements of 8.6.2 to 8.6.8	No protective earth	N/A
8.6.2	PROTECTIVE EARTH TERMINAL is suitable for connection to an external protective earthing system by a PROTECTIVE EARTH CONDUCTOR in a POWER SUPPLY CORD and a suitable plug or by a FIXED PROTECTIVE EARTH CONDUCTOR.....:	Evaluated in part of power supply	N/A
	Clamping means of PROTECTIVE EARTH TERMINAL of ME EQUIPMENT for FIXED supply conductors or POWER SUPPLY CORDS comply with 8.11.4.3, and cannot be loosened without TOOL	No clamping.	N/A
	Screws for internal PROTECTIVE EARTH CONNECTIONS completely covered or protected against accidental loosening from outside .....:	No Screw provided	N/A
	Earth pin of APPLIANCE INLET forming supply connection to ME EQUIPMENT regarded as PROTECTIVE EARTH TERMINAL	Evaluated in part of power supply	N/A

	PROTECTIVE EARTH TERMINAL not used for mechanical connection between different parts of ME EQUIPMENT or securing components not related to protective or functional earthing	Evaluated in part of power supply	N/A
8.6.3	PROTECTIVE EARTH CONNECTION not used for a moving part, except when MANUFACTURER demonstrated in RISK MANAGEMENT FILE connection will remain reliable during EXPECTED SERVICE LIFE .....:	Evaluated in part of power supply	N/A
8.6.4	a) PROTECTIVE EARTH CONNECTIONS carried fault currents reliably and without excessive voltage drop	Evaluated in part of power supply	N/A
	b) Allowable TOUCH CURRENT and PATIENT LEAKAGE CURRENT in SINGLE FAULT CONDITION were not exceeded, when impedance of PROTECTIVE EARTH CONNECTIONS exceeded values in 8.6.4 a) and Table 8.6.4, due to limited current capability of relevant circuits .....:		N/A
8.6.5	Surface coatings		N/A
	Poorly conducting surface coatings on conductive elements removed at the point of contact	No conductive coatings used	N/A
	Coating not removed when requirements for impedance and current-carrying capacity met	No conductive coatings used	N/A
8.6.6	Plugs and sockets		N/A
	PROTECTIVE EARTH CONNECTION where connection between SUPPLY MAINS and ME EQUIPMENT or between separate parts of ME EQUIPMENT made via a plug and socket was made before and interrupted after supply connections		Pass
	- APPLIED also where interchangeable parts are PROTECTIVELY EARTHED		N/A
8.6.7	Terminal for connection of a POTENTIAL EQUALIZATION CONDUCTOR		N/A
	- terminal is accessible to OPERATOR with ME EQUIPMENT in any position of NORMAL use	No potential equalization terminals used	N/A
	- RISK of accidental disconnection minimized in NORMAL use	No potential equalization terminals used	N/A
	- terminal allows conductor to be detached without a TOOL	No potential equalization terminals used	N/A
	- terminal not used for a PROTECTIVE EARTH connection	No potential equalization terminals used	N/A
	- Terminal marked with symbol 8 of Table D.1 (i.e., symbol IEC 60417-5021)	No potential equalization terminals used	N/A
	- instructions for use contain information on function and use of POTENTIAL EQUALIZATION conductor together with a REFERENCE to requirements of this standard	No potential equalization terminals used	N/A
	POWER SUPPLY CORD does not incorporate a POTENTIAL EQUALIZATION CONDUCTOR	No potential equalization terminals used	N/A

8.6.8	FUNCTIONAL EARTH TERMINAL not used to provide a PROTECTIVE EARTH CONNECTION	No functional earth terminals used	N/A
8.6.9	Class II ME EQUIPMENT		N/A
	Third conductor of POWER SUPPLY CORD connected to protective earth contact of MAINS PLUG provided with CLASS II ME EQUIPMENT with isolated internal screens used as functional earth connection to the screen's FUNCTIONAL EARTH TERMINAL, coloured green and yellow	Not class II equipment	N/A
	Two MEANS OF PROTECTION provided by insulation of internal screens and all internal wiring connected to them with a related explanation in technical description.....:	Not class II equipment	N/A
8.7	LEAKAGE CURRENTS and PATIENT AUXILIARY CURRENTS		Pass
8.7.1	a) Electrical isolation providing protection against electric shock limits currents to values in 8.7.3.....:	See appended Tables 8.7	Pass
	b) Specified values of EARTH LEAKAGE, TOUCH, PATIENT LEAKAGE, and PATIENT AUXILIARY CURRENTS applied in combination of conditions in appended Table 8.7 .....:	See appended Tables 8.7	Pass
8.7.2	Allowable values specified in 8.7.3 applied under SINGLE FAULT CONDITIONS of 8.1 b), except		Pass
	- where insulation used in conjunction with a PROTECTIVE EARTH CONNECTION, insulation short circuited only under conditions in 8.6.4 b)		N/A
	- the only single FAULT CONDITION for EARTH LEAKAGE current was interruption of one supply conductor at a time		Pass
	- LEAKAGE CURRENTS and PATIENT AUXILIARY current not measured in single FAULT CONDITION of short circuiting of one constituent PART of DOUBLE insulation	No Applied Part	N/A
	SINGLE FAULT CONDITIONS not applied at same time as special test conditions of MAXIMUM MAINS VOLTAGE on APPLIED PARTS and non-PROTECTIVELY EARTHED parts of ENCLOSURE		N/A
8.7.3	Allowable Values		Pass
	a) Allowable values in 8.7.3 b), c), and d) measured based on, and are relative to currents in Fig 12 a), or by a device measuring frequency contents of currents as in Fig 12 b:	See appended Table 8.7	Pass
	b) Allowable values of PATIENT LEAKAGE and AUXILIARY CURRENTS are according to Tables 3 & 4, and values of a.c. are relative to currents having a frequency not less than 0.1Hz:	No applied parts	N/A
	c) TOUCH CURRENT did not exceed 100 µA in NORMAL CONDITION and 500 µA in SINGLE FAULT CONDITION (ITNC, ITSFC):	See appended Table 8.7	Pass
	d) EARTH LEAKAGE CURRENT did not exceed 5	See appended Table 8.7	Pass

	mA in NORMAL CONDITION and 10 mA in SINGLE FAULT CONDITION (IENC, IESFC)		
	Higher values of EARTH LEAKAGE CURRENT permitted for PERMANENTLY INSTALLED ME EQUIPMENT connected to a supply circuit supplying only this ME EQUIPMENT according to local regulations or IEC 60364-7-710: .....:	Not permanently installed me equipment	N/A
	e) LEAKAGE CURRENTS, regardless of waveform and frequency, did not exceed 10 mA r.m.s. in NORMAL or in SINGLE FAULT CONDITION (measured with a non-frequency-weighted device:	Not non-frequency-weighted device	N/A
8.7.4	LEAKAGE and PATIENT AUXILIARY CURRENTS measurements:	See appended Table 8.7	Pass
8.8	Insulation		Pass
8.8.1	Insulation relied on as MEANS OF PROTECTION, including REINFORCED INSULATION and insulation between parts of opposite polarity of MAINS PART on SUPPLY MAINS side of mains fuse or OVER-CURRENT RELEASE		Pass
	Insulation exempted from test (complies with clause 4.8)		Pass
	Insulation forming MEANS OF OPERATOR PROTECTION and complying with IEC 60950-1 for INSULATION CO-ORDINATION not tested as in 8.8		N/A
8.8.2	Distance through solid insulation or use of thin sheet material		N/A
	Solid insulation forming SUPPLEMENTARY or REINFORCED INSULATION for a PEAK WORKING VOLTAGE greater than 71 V provided with:		N/A
	a) 0.4 mm, min, distance through insulation, or		N/A
	b) does not form part of an ENCLOSURE and not subject to handling or abrasion during NORMAL USE, and comprised of:		N/A
	- at least two layers of material, each passed the appropriate dielectric strength test, or		N/A
	- three layers of material, for which all combinations of two layers together passed the appropriate dielectric strength test		N/A
	Dielectric strength test for one or two layers was same as for one MEANS OF PROTECTION for SUPPLEMENTARY INSULATION		N/A
	Dielectric strength test for one or two layers was same as for two MEANS OF PROTECTION for REINFORCED INSULATION		N/A
	BASIC, SUPPLEMENTARY, and REINFORCED INSULATION required between windings of wound components separated by interleaved insulation complying with a) or b), or both, except when		N/A

	c) Wire with solid insulation, other than solvent based enamel, complying with a)	No such construction	N/A
	d) Wire with multi-layer extruded or spirally wrapped insulation complying with b) and complying with Annex L	Evaluated in part of power supply	N/A
	e) Finished wire with spirally wrapped or multi-layer extruded insulation, complying with Annex L	Evaluated in part of power supply	N/A
	- BASIC insulation: minimum two wrapped layers or one extruded layer	No multi-layer or spirally-wrapped wire insulation in any wound components used	N/A
	- SUPPLEMENTARY insulation: minimum two layers, wrapped or extruded	No multi-layer or spirally-wrapped wire insulation in any wound components used	N/A
	- REINFORCED insulation: minimum three layers, wrapped or extruded		N/A
	In d) and e), for spirally wrapped insulation with CREEPAGE DISTANCES between layers less than in Table 12 or 16 (Pollution Degree 1) depending on type of insulation, path between layers sealed as a cemented joint in 8.9.3.3 and test voltages of TYPE TESTS in L.3 equal 1.6 times of normal values	No multi-layer or spirally-wrapped wire insulation in any wound components used	N/A
	Protection against mechanical stress provided where two insulated wires or one bare and one insulated wire are in contact inside wound component, crossing at an angle between 45° and 90° and subject to winding tension		N/A
	Finished component complied with routine dielectric strength tests of 8.8.3 .....:		N/A
	Tests of Annex L not repeated since material data sheets confirm compliance.....:		N/A
8.8.3	Dielectric Strength		Pass
	Solid insulating materials with a safety function withstood dielectric strength test voltages .....:	See appended Table 8.8.3	Pass
8.8.4	Insulation other than wire insulation		Pass
8.8.4.1	Resistance to heat retained by all insulation and insulating partition walls during EXPECTED SERVICE LIFE of ME EQUIPMENT		Pass
	ME EQUIPMENT and RISK MANAGEMENT FILE examined in conjunction with resistance to moisture, dielectric strength, and mechanical strength tests.....:	See appended RM Results Table 8.8.4.1	Pass
	Satisfactory evidence of compliance provided by manufacturer for resistance to heat .....:	See Appended RM Results Table 8.8.4.1	Pass
	Tests conducted in absence of satisfactory evidence for resistance to heat		Pass
	a) ENCLOSURE and other external parts of insulating material, except insulation of flexible cords and parts of ceramic material, subjected to	See appended RM Results Table 8.8.4.1	Pass

	ball-pressure test using apparatus of Fig 21		
	b) Parts of insulating material supporting uninsulated parts of MAINS PART subjected to ball-pressure test in a), except at 125 °C ± 2 °C or ambient indicated in technical description ±2°C plus temperature rise determined during test of 11.1 of relevant part, if higher (°C).....:	Evaluated in part of power supply	Pass
	Test not performed on parts of ceramic material, insulating parts of commutators, brush-caps, and similar, and on coil formers not used as REINFORCED INSULATION		N/A
8.8.4.2	Resistance to environmental stress		N/A
	Insulating characteristics and mechanical strength of all MEANS OF PROTECTION not likely to be impaired by environmental stresses including deposition of dirt resulting from wear of parts within EQUIPMENT, potentially reducing CREEPAGE and CLEARANCES below 8.9		N/A
	Ceramic and similar materials not tightly sintered, and beads alone not used as SUPPLEMENTARY or REINFORCED INSULATION		N/A
	Insulating material with embedded heating conductors considered as one MEANS OF PROTECTION but not two MEANS OF PROTECTION		N/A
	Parts of natural latex rubber aged by suspending samples freely in an oxygen cylinder containing commercial oxygen to a pressure of 2.1 MPa ± 70 kPa, with an effective capacity of at least 10 times volume of samples		N/A
	There were no cracks visible to naked eyes after samples kept in cylinder at 70 °C ± 2 °C for 96h, and afterwards, left at room temperature for at least 16h		N/A
8.9	CREEPAGE DISTANCES and AIR CLEARANCES		Pass
8.9.1.1	CREEPAGE DISTANCES and AIR CLEARANCES are to values in Tables 11 to 16 (inclusive), except as specified in Clauses 8.9.1.2 to 8.9.1.15	Table 12 (distance for MOPP) is considered.	Pass
8.9.1.2	Tables 11 to 16 (inclusive) not applied to CREEPAGE and CLEARANCES forming MEANS OF OPERATOR PROTECTION per IEC 60950-1 for INSULATION CO-ORDINATION and used under conditions compliance was tested	No such construction	N/A
8.9.1.3	Specified min CLEARANCE applied as min CREEPAGE for CREEPAGE DISTANCES across glass, mica, ceramic and other inorganic insulating materials with similar tracking characteristics	No such material	N/A
8.9.1.4	When min CREEPAGE derived from Tables 11 to 16 (inclusive) was less than min applicable CLEARANCE, value of min CLEARANCE applied as min CREEPAGE DISTANCE		N/A

8.9.1.5	ME EQUIPMENT RATED to operate at an altitude of 2000 m		N/A
	ME EQUIPMENT RATED to operate at an altitude specified by MANUFACTURER (m).....:	3000 m	Pass
	Operating altitude corresponding to actual air pressure for ME EQUIPMENT intended for pressurized environments (e.g., aircraft) used to determine multiplication factor from Table 8, and AIR CLEARANCE was multiplied by this factor		Pass
	CREEPAGE DISTANCES not subjected to multiplication factors, but were at least as large as the resulting value for AIR CLEARANCE		Pass
8.9.1.6	When WORKING VOLTAGE was between those in Tables 11 to 16 (inclusive), CREEPAGE and CLEARANCES calculated as follows:		Pass
	- CREEPAGE DISTANCES determined by linear interpolation between the nearest two values, and the calculated spacing rounded off to the next higher 0.1 mm increment (mm).....:	See Insulation Diagram/Table.	Pass
	- CLEARANCES for PEAK WORKING VOLTAGES above 2800 V peak or d.c. determined by linear interpolation between the nearest two values, and the calculated spacing rounded off to the next higher 0.1 mm increment (mm).....:	Evaluated in part of power supply	N/A
	- for AIR CLEARANCES corresponding to PEAK WORKING VOLTAGE up to 2800 V peak or d.c., the higher of the two values applied		N/A
8.9.1.7	Material groups classified in accordance with Table 9 (Material Group).....:		N/A
	Material group evaluated using 50 drops of solution A based on test data for material according to IEC 60112 .....:		N/A
	Material of unknown group considered IIIb		Pass
8.9.1.8	- Pollution degree 1: Micro-environment sealed to exclude dust and moisture		N/A
	- Pollution degree 2: Micro-environment with non-conductive pollution, except occasional conductivity caused by condensation		Pass
	- Pollution degree 3: Micro-environment subject to conductive pollution, or dry non-conductive pollution that could become conductive due to expected condensation		N/A
	- Pollution degree 4: Micro-environment where continuous conductivity occurs due to conductive dust, rain, or other wet conditions		N/A
	Pollution degree 4 not used for insulation providing a MEANS OF PROTECTION		N/A
	Where insulation between MAINS PART and earth might be compromised, measures such as		N/A

	maintenance ensure that micro-environment is mitigated to a lower pollution degree		
8.9.1.9	Overvoltage category classification; value of MAINS TRANSIENT VOLTAGE determined from overvoltage category per IEC60664-1 and NOMINAL a.c. MAINS VOLTAGE using Table 10		N/A
	V MT Peak (V) .....:		-
	V MN r.m.s. (V).....:		-
8.9.1.10	AIR CLEARANCE for MAINS PARTS (operating on RATED MAINS VOLTAGES up to 300 V) were values for r.m.s. or d.c. RATED MAINS VOLTAGE in Table 13 plus additional CLEARANCE in Table 14 for PEAK WORKING VOLTAGE	MOPP provided	Pass
8.9.1.11	SUPPLY MAINS overvoltage category II applied according to IEC 60664-1	Overvoltage category II	Pass
	For ME EQUIPMENT intended for overvoltage category III, Tables 13 to 15 (inclusive) not used for clearance, instead values in the next MAINS TRANSIENT VOLTAGE column upwards used		N/A
	When PATIENT protection (Table 12) is required for use of ME EQUIPMENT on overvoltage category III SUPPLY MAINS, guidance provided on values required in the rationale for Cl. 8.9 used		N/A
8.9.1.12	A SECONDARY CIRCUIT derived from a SUPPLY MAINS, normally, considered to be overvoltage category I according to IEC 60664-1 when the MAINS PART is overvoltage category II (Table 15)		Pass
	Table 15 applied to earthed SECONDARY CIRCUIT or INTERNALLY POWERED ME EQUIPMENT		N/A
	Requirements for primary circuits in Tables 13 and 14 used for an unearthed SECONDARY CIRCUIT derived from a SUPPLY MAINS		N/A
	Table 15 applied when SECONDARY CIRCUIT was separated from MAINS PART by a functionally earthed or PROTECTIVELY EARTHED metal screen or transients in SECONDARY CIRCUIT were below the levels expected for overvoltage category I		N/A
	Table 15 column for circuits not subject to transient overvoltages applied to:		N/A
	- d.c. SECONDARY CIRCUITS reliably connected to earth and have capacitive filtering limiting peak-to-peak ripple to 10 % of d.c. voltage, and		N/A
	- CIRCUITS in INTERNALLY powered ME EQUIPMENT		N/A
8.9.1.13	For PEAK WORKING VOLTAGES above 1400 V peak or d.c. Table 15 not applied since all the following conditions were met:	Evaluated in part of power supply	N/A

	- CLEARANCE was at least 5 mm		N/A
	- insulation complied with dielectric strength test of 8.8.3 using an a.c. test voltage with an r.m.s. value equal to 1.06 times PEAK WORKING VOLTAGE, or		N/A
	- a d.c. test voltage equal to peak value of a.c. test voltage with an r.m.s. value equal to 1.06 times PEAK WORKING VOLTAGE, and		N/A
	- CLEARANCE path was partly or entirely through AIR or along the surface of an insulating material of material group I		N/A
	Dielectric strength test conducted only across part(s) of the path that are through air when CLEARANCE path was also partly along surface of a non- group I material		N/A
8.9.1.14	Minimum CREEPAGE DISTANCES for two MEANS OF OPERATOR PROTECTION obtained by doubling values in Table 16 for one MEANS OF OPERATOR PROTECTION	MOPP provided	N/A
8.9.1.15	CREEPAGE DISTANCES and AIR CLEARANCES for DEFIBRILLATION-PROOF APPLIED PARTS are 4 mm or more to meet 8.5.5.1	No defibrillation-protected applied parts or parts needed to be treated as defibrillation-protected applied parts	N/A
8.9.2	a) Short circuiting of each single one of CREEPAGE DISTANCES and CLEARANCES in turn did not result in a HAZARDOUS SITUATION for insulation in MAINS PART between parts of opposite polarity, therefore, min CREEPAGE and CLEARANCES not applied .....:	Evaluated in part of power supply	N/A
	b) Contribution to CREEPAGE DISTANCES of grooves or air gaps less than 1 mm wide limited to widths		Pass
	c) Relative positioning of CLEARANCE providing a MEANS OF PROTECTION is such that the relevant parts are rigid and located by molding, or there is no reduction of a distance below specified value by deformation or movement of parts		Pass
	Normal or likely limited movements of relevant parts taken into consideration when calculating minimum AIR CLEARANCE		Pass
8.9.3	Spaces filled by insulating compound		N/A
8.9.3.1	Only solid insulation requirements applied where distances between conductive parts filled with insulating compound were such that CLEARANCES and CREEPAGE DISTANCES don't exist	No insulating compound provided	N/A
	Thermal cycling, humidity preconditioning, and dielectric strength tests in 8.9.3.2 and 8.9.3.4 or 8.9.3.3 and 8.9.3.4 conducted		N/A
8.9.3.2	For insulating compound forming solid insulation		N/A

	between conductive parts, a single sample subjected to thermal cycling PROCEDURE of 8.9.3.4 followed by humidity preconditioning per 5.7 (for 48 hours), followed by dielectric strength test (clause 8.8.3), test voltage multiplied by 1.6.....:		
	Cracks or voids in insulating compound affecting homogeneity of material didn't occur		N/A
8.9.3.3	Where insulating compound forms a cemented joint with other insulating parts, three samples tested for reliability of joint		N/A
	A winding of solvent-based enameled wire replaced for the test by a metal foil or by a few turns of bare wire placed close to cemented joint, and three samples tested as follows:		N/A
	- One sample subjected to thermal cycling PROCEDURE of 8.9.3.4, and immediately after the last period at highest temperature during thermal cycling, it was subjected to dielectric strength test of 8.8.3 except at 1.6 times the test voltage .....:		N/A
	- The other two samples subjected to humidity preconditioning of 5.7, except for 48 hours only followed by a dielectric strength test of 8.8.3 at 1.6 times the test voltage		N/A
8.9.3.4	One sample containing the cemented joint subjected to a sequence of temperature cycling tests for 10 times.....:		N/A
8.10	Components and wiring		Pass
8.10.1	Components of ME EQUIPMENT likely to result in an unacceptable RISK by their movements mounted securely as indicated in RISK MANAGEMENT FILE.....:	See appended RM Results Table 8.10.1	Pass
8.10.2	Conductors and connectors of ME EQUIPMENT adequately secured or insulated to prevent accidental detachment in a HAZARDOUS SITUATION .....:	See appended RM Results Table 8.10.2	Pass
	Conductors and connectors of ME EQUIPMENT when breaking free at their joint are not capable of touching circuit points resulting in a HAZARDOUS SITUATION as indicated in RISK MANAGEMENT FILE	Considered	Pass
	Breaking free of one means of mechanical restraint considered a SINGLE FAULT CONDITION	Considered	Pass
	Stranded conductors are not solder-coated when secured by clamping means to prevent HAZARDOUS SITUATIONS due to poor contact	No such construction	N/A
8.10.3	Flexible cords detachable without a TOOL used to interconnect different parts of ME EQUIPMENT provided with means for connection to comply with requirements for metal ACCESSIBLE PARTS of 8.4 when a connection is loosened or broken as shown by measurement or using test finger	No such construction	N/A

8.10.4	Cord-connected HAND-HELD parts and cord-connected foot-operated control devices		N/A
8.10.4.1	Control devices of ME EQUIPMENT and their connection cords contain only conductors and components operating at 42.4 V peak a.c., max, or 60 V d.c. in circuits isolated from MAINS PART by two MEANS OF PROTECTION	No Cord-connected hand-held parts and cord-connected foot-operated control devices	N/A
	d.c. limit of 60 V applied to d.c. with no more than 10 % peak-to-peak ripple		N/A
	42.4 V peak limit applied when ripple exceeded 10 % peak-to-peak limit		N/A
8.10.4.2	Connection and anchorage of a flexible cord to a HAND-HELD or foot-operated control device of ME EQUIPMENT at both ends of cable to control device complied with 8.11.3 when breaking free or shorting between conductors could result in a HAZARDOUS SITUATION		N/A
	This requirement applied to other HAND-HELD parts when disturbance or breaking of one or more of connections could result in a HAZARDOUS SITUATION	No hand-held parts	N/A
8.10.5	Mechanical protection of wiring		Pass
	a) Internal cables and wiring adequately protected against contact with a moving part or from friction at sharp corners and edges where damage to insulation could result in a HAZARDOUS SITUATION .....:	See Appended RM Results Table 8.10.5	Pass
	b) Wiring, cord forms, or components are not likely to be damaged during assembly or during opening or closing of ACCESS COVERS where such damage could result in a HAZARDOUS SITUATION as shown by manual tests and RISK MANAGEMENT FILE		Pass
8.10.6	Guiding rollers of insulated conductors prevent bending of movable insulated conductors around a radius of less than five times the outer diameter of the lead concerned in NORMAL USE		N/A
8.10.7	a) Insulating sleeve that can only be removed by breaking or cutting, or secured at both ends, is used on internal wiring of when needed .....:	See Table 8.10	Pass
	b) Sheath of a flexible cord not used as a MEANS OF PROTECTION inside ME EQUIPMENT when it is subject to mechanical or thermal stresses beyond its RATED characteristics		N/A
	c) Insulated conductors subject to temperatures > 70 °C in NORMAL USE provided with insulation of heat-resistant material when compliance is likely to be impaired due to deterioration of insulation .....:	See appended Table 8.10	N/A
8.11	MAINS PARTS, components and layout		Pass
8.11.1	a) ME EQUIPMENT provided with means of	See appended Table 8.10	Pass

	electrically isolating its circuits from SUPPLY MAINS simultaneously on all poles.....:		
	PERMANENTLY INSTALLED ME EQUIPMENT connected to a poly-phase SUPPLY MAINS equipped with a device not interrupting neutral conductor, provided local installation conditions prevent voltage on neutral conductor from exceeding limits in 8.4.2 c)	Not Permanently installed me equipment	N/A
	b) Means of isolation incorporated in ME EQUIPMENT, and external means described in technical description .....:	See appended Table 8.10	Pass
	c) A SUPPLY MAINS switch used to comply with 8.11.1 a) complies with CREEPAGE and CLEARANCES in IEC 61058-1 for a MAINS TRANSIENT VOLTAGE of 4 kV.....:	See appended Table 8.10	N/A
	d) A SUPPLY MAINS switch not incorporated in a POWER SUPPLY CORD or external flexible lead		N/A
	e) Direction of movement of actuator of a SUPPLY MAINS switch used to comply with 8.11.1 a) complies with IEC 60447	No such parts.	N/A
	f) A suitable plug device such as an APPLIANCE COUPLER or a flexible cord with a MAINS PLUG used in non-PERMANENTLY INSTALLED ME EQUIPMENT to isolate it from SUPPLY MAINS considered to comply with 8.11.1 a) .....:	See appended Table 8.10	N/A
	g) A fuse or a semiconductor device not used as an isolating means	Not used	Pass
	h) ME EQUIPMENT not provided with a device causing disconnection of ME EQUIPMENT from SUPPLY MAINS by producing a short circuit resulting in operation of an overcurrent protection device		N/A
	i) Parts within ENCLOSURE of ME EQUIPMENT with a circuit > 42.4 V peak a.c. or 60 V d.c. that cannot be disconnected from its supply by an external switch or a plug device accessible at all times is protected against touch even after opening ENCLOSURE by an additional covering	Evaluated in part of power supply	N/A
	A clear warning notice is marked on outside of ME EQUIPMENT to indicate it exceeds allowable touch voltage (symbol 10 of Table D.1 is insufficient)	Not exceed allowable voltage, no warning is required	N/A
	For a part that could not be disconnected from supply by an external switch or a plug device accessible at all times, the required cover or warning notice complied with this clause		N/A
	Standard test finger of Fig 6 applied		N/A
8.11.2	MULTIPLE SOCKET-OUTLETS integral with ME EQUIPMENT complied with 16.2 d), second dash; and 16.9.2	No such parts.	N/A
8.11.3	POWER SUPPLY CORDS		Pass

8.11.3.1	MAINS PLUG not fitted with more than one POWER SUPPLY CORD	Evaluated in part of power supply	N/A
8.11.3.2	POWER SUPPLY CORDS are no less robust than ordinary tough rubber sheathed flexible cord (IEC 60245-1:2003, Annex A, designation 53) or ordinary polyvinyl chloride sheathed flexible cord (IEC 60227-1:1993, Annex A, design. 53) .....:	UL listed, SJT type / Hospital grade power supply cord used (with no less than 18AWG internal wire) / IEC 60245-1 / IEC 60227-1 (optional provided)	Pass
	Only polyvinyl chloride insulated POWER SUPPLY CORD with appropriate temperature rating used for ME EQUIPMENT having external metal parts with a temperature > 75 °C touchable by the cord in NORMAL USE .....:	See appended Table 8.10	N/A
8.11.3.3	NOMINAL cross-sectional area of conductors of POWER SUPPLY CORDS of ME EQUIPMENT is not less than in Table 17 (mm2 Cu).....:	Evaluated in part of power supply	Pass
8.11.3.4	APPLIANCE COUPLERS complying with IEC 60320-1 are considered to comply with 8.11.3.5 and 8.11.3.6 .....:		N/A
8.11.3.5	Cord anchorage (for APPLIANCE COUPLERS not complying with IEC 60320-1)		N/A
	a) Conductors of POWER SUPPLY CORD provided with strain relieve and insulation protected from abrasion at point of entry to ME EQUIPMENT or a MAINS CONNECTOR by a cord anchorage		N/A
	b) Cord anchorage of POWER SUPPLY CORD is made of and arranged as follows when a total insulation failure of POWER SUPPLY CORD caused conductive non-PROTECTIVELY EARTHED ACCESSIBLE PARTS to exceed limits of 8.4:		N/A
	- insulating material, or		N/A
	- metal, insulated from conductive accessible parts non-PROTECTIVELY EARTHED by a means of PROTECTION, or		N/A
	- metal provided with an insulating lining affixed to cord anchorage, except when it is a flexible bushing forming part of the cord guard in 8.11.3.6, and complying with the requirements for one MEANS OF PROTECTION		N/A
	c) Cord anchorage prevents cord from being clamped by a screw bearing directly on cord insulation		N/A
	d) Screws to be operated when replacing POWER SUPPLY CORD do not serve to secure any components other than parts of cord anchorage		N/A
	e) Conductors of POWER SUPPLY CORD arranged to prevent PROTECTIVE EARTH CONDUCTOR against strain as long as phase conductors are in contact with their terminals when cord anchorage fails		N/A

	f) Cord anchorage prevents POWER SUPPLY CORD from being pushed into ME EQUIPMENT or MAINS CONNECTOR		N/A
	Conductors of POWER SUPPLY CORD supplied by MANUFACTURER disconnected from terminals or from MAINS CONNECTOR and cord subjected 25 times to a pull applied with no jerks, each time for 1 s, on sheath of the value in Table 18.....:		N/A
	Cord subjected to a torque in Table 18 for 1 min immediately after pull tests		N/A
	Cord anchorage did not allow cord sheath to be longitudinally displaced by more than 2 mm or conductor ends to move over a distance of more than 1 mm from their connected position		N/A
	CREEPAGE and CLEARANCES not reduced below limits in 8.9		N/A
	It was not possible to push the cord into ME EQUIPMENT or MAINS CONNECTOR to an extent the cord or internal parts would be damaged		N/A
8.11.3.6	POWER SUPPLY CORDS other than for STATIONARY ME EQUIPMENT protected against excessive bending at inlet opening of equipment or of MAINS CONNECTOR by means of an insulating cord guard or by means of an appropriately shaped opening	Not stationary ME equipment	N/A
	Cord guard complied with test of IEC 60335-1:2001, Clause 25.14, or		N/A
	ME EQUIPMENT placed such that axis of cord guard projected at an angle of 45° with cord free from stress, and a mass equal 10 x D2 gram attached to the free end of cord (g).....:		N/A
	Cord guard of temperature-sensitive material tested at 23 °C ± 2 °C, and flat cords bent in the plane of least resistance		N/A
	Curvature of the cord radius, immediately after mass attached, was not less than 1.5 x D .....:		N/A
8.11.4	MAINS TERMINAL DEVICES		N/A
8.11.4.1	PERMANENTLY INSTALLED and ME EQUIPMENT with non-DETACHABLE POWER SUPPLY CORD replaceable by SERVICE PERSONNEL provided with MAINS TERMINAL DEVICES ensuring reliable connection	Appliance inlet was provided	N/A
	Terminals alone are not used to keep conductors in position, except when barriers are provided such that CREEPAGE and CLEARANCES cannot be reduced below 8.9 if any conductor breaks away		N/A
	Terminals of components other than terminal blocks complying with requirements of this Clause and marked according to 7.3.7 used as terminals intended for external conductors		N/A

	Screws and nuts clamping external conductors do not serve to secure any other component, except they also clamp internal conductors when unlikely to be displaced when fitting the supply conductors		N/A
8.11.4.2	Arrangement of MAINS TERMINAL DEVICES		N/A
	a) Terminals provided for connection of external cords or POWER SUPPLY CORDS together with PROTECTIVE EARTH TERMINAL grouped to provide convenient means of connection	No mains terminal devices used	N/A
	b) PROTECTIVE EARTH CONDUCTOR connections complied with 8.6	No mains terminal devices used	N/A
	c) Marking of MAINS TERMINAL DEVICES complied with 7.3	No mains terminal devices used	N/A
	d) MAINS TERMINAL DEVICES not accessible without use of a TOOL	No mains terminal devices used	N/A
	e) A MEANS OF PROTECTION are not short circuited when one end of a flexible conductor with NOMINAL cross-sectional area is stripped 8 mm and a single free wire is bent in each possible direction	No mains terminal devices used	N/A
8.11.4.3	Internal wiring not subjected to stress and CREEPAGE and CLEARANCES not reduced below 8.9 after fastening and loosening a conductor of largest cross-sectional area 10 times	No mains terminal devices used	N/A
8.11.4.4	Terminals with clamping means for a rewirable flexible cord did not require special preparation of conductors and conductors were not damaged and did not slip out when clamping means tightened as verified by test of 8.11.3.4	No mains terminal devices used	N/A
8.11.4.5	Adequate space provided inside ME EQUIPMENT designed for FIXED wiring or a re-wirable POWER SUPPLY CORD to allow for connection of conductors, and covers fitted without damage to conductors or their insulation	No mains terminal devices used	N/A
	Correct connection and positioning of conductors before ACCESS COVER was fitted verified by an installation test	No mains terminal devices used	N/A
8.11.5	Mains fuses and OVER-CURRENT RELEASES		Pass
	A fuse or OVER-CURRENT RELEASE provided in each supply lead for CLASS I and CLASS II ME EQUIPMENT with a functional earth connection per clause 8.6.9, and in at least one supply lead for other single-phase CLASS II ME EQUIPMENT.....:	Not permanently installed ME equipment	N/A
	- neutral conductor not fused for PERMANENTLY INSTALLED ME EQUIPMENT	No such situation	N/A
	- fuses or OVER-current RELEASES omitted due to provision of two means of PROTECTION between all parts of opposite polarity within MAINS PART, and between all parts of MAINS PART and EARTH, and such provisions continued within all		N/A

	components		
	Effect of short-circuit fault conditions in other circuits taken into consideration before eliminating fuses or OVER-CURRENT RELEASES		N/A
	Protective devices have adequate breaking capacity to interrupt the maximum fault current including the available short-circuit .....:	See appended Table 8.10	Pass
	A fuse or OVER-CURRENT RELEASE not provided in a PROTECTIVE EARTH CONDUCTOR		Pass
	Fuses complying with IEC 60127 have high breaking capacity (1 500 A) and prospective short-circuit current > 35 A or 10 times current rating of the fuse, whichever is greater	No such situation	N/A
	Justification for omission of fuses or OVER-CURRENT RELEASES is in RISK MANAGEMENT FILE	Evaluated in part of power supply	N/A
8.11.6	Internal wiring of the MAINS PART		N/A
	a) Cross-sectional area of internal wiring in a MAINS PART between MAINS TERMINAL DEVICE and protective devices is not less than minimum required for POWER SUPPLY CORD as in clause 8.11.3.3 (mm2 Cu).....:	Evaluated in part of power supply	N/A
	b) Cross-sectional area of other wiring in MAINS PART and sizes of tracks on printed wiring circuits sufficient to prevent fire in case of fault currents....:	Evaluated in part of power supply	N/A
	When necessary, ME EQUIPMENT connected to a SUPPLY MAINS with max available short-circuit fault, and subsequent simulation of a fault in a single insulation in MAINS PART did not result in any of the HAZARDOUS SITUATIONS in 13.1.2	Evaluated in part of power supply	N/A

9	**PROTECTION AGAINST MECHANICAL HAZARDS OF ME EQUIPMENT AND ME SYSTEMS**		Pass
9.1	ME EQUIPMENT complies with Clause 4 for design and manufacture, and mechanical strength (15.3)		Pass
9.2	HAZARDS associated with moving parts		N/A
9.2.1	When ME EQUIPMENT with moving parts PROPERLY INSTALLED, used per ACCOMPANYING DOCUMENTS or under foreseeable misuse, RISKS associated with moving parts reduced to an acceptable level.....:	No moving parts.	N/A
	RISK from contact with moving parts reduced to an acceptable level using protective measures, (access, function, shape of parts, energy, speed of motion, and benefits to PATIENT considered)		N/A
	RESIDUAL RISK associated with moving parts considered acceptable when exposure was needed		N/A

	for ME EQUIPMENT to perform its function		
	Warnings marked on ME EQUIPMENT or included in instructions for use when HAZARDS persisted after implementing all reasonable protective measures.....:		N/A
9.2.2	TRAPPING ZONE		N/A
9.2.2.1	ME EQUIPMENT with a TRAPPING ZONE complied with one or more of the following as feasible:	No trapping zones.	N/A
	- Gaps in Clause 9.2.2.2, or		N/A
	- Safe distances in Clause 9.2.2.3, or		N/A
	- GUARDS and protective measures in 9.2.2.4, or		N/A
	- Continuous activation in Clause 9.2.2.5		N/A
	Control of relevant motion complied with 9.2.2.6 when implementation of above protective measures were inconsistent with INTENDED USE of ME EQUIPMENT or ME SYSTEM		N/A
9.2.2.2	A TRAPPING ZONE considered not to present a MECHANICAL HAZARD when gaps of TRAPPING ZONE complied with dimensions per Table 20.....:		N/A
9.2.2.3	A TRAPPING ZONE considered not to present a MECHANICAL HAZARD when distances separating OPERATOR, PATIENT, and others from TRAPPING ZONES exceeded values in ISO 13852 .....:		N/A
	Distances measured from expected positions of OPERATOR, PATIENT, and others near EQUIPMENT in NORMAL USE or under foreseeable misuse		N/A
9.2.2.4	GUARDS and protective measures		N/A
9.2.2.4.1	A TRAPPING ZONE considered not to present a MECHANICAL HAZARD when GUARDS and protective measures were of robust construction, not easy to bypass or render non-operational, and did not introduce additional unacceptable RISK based on results of applicable tests in 15.3 for ENCLOSURES.....:		N/A
9.2.2.4.2	FIXED GUARDS held in place by systems that cannot be dismantled without a TOOL		N/A
9.2.2.4.3	Movable GUARDS that can be opened without a TOOL remained attached when GUARD was open		N/A
	- they are associated with an interlock preventing relevant moving parts from starting to move while TRAPPING ZONE is accessible, and stops movement when the GUARD is opened,		N/A
	- absence or failure of one of their components prevents starting, and stops moving parts		N/A
	Movable GUARDS complied with all applicable tests as confirmed by review of RISK		N/A

	MANAGEMENT FILE		
9.2.2.4.4	Protective measures provided in control system prevented moving parts from starting to move while in reach of persons.....:		N/A
	- PROTECTIVE measures prevented TRAPPING ZONE from reach, or, when it was reached, SYSTEM movement stopped once ME EQUIPMENT started to move, and in the latter case, no HAZARD or damage resulted		N/A
	- when PROTECTIVE measure was in a single FAULT CONDITION, and an unacceptable RISK could arise, one or more emergency stopping device(s) provided		N/A
	RISK MANAGEMENT FILE reviewed and all conditions confirmed		N/A
9.2.2.5	Continuous activation		N/A
	TRAPPING ZONE not considered to present a MECHANICAL HAZARD where impractical to make TRAPPING ZONE inaccessible when:		N/A
	a) movement was in OPERATOR'S field of view		N/A
	b) movement of ME EQUIPMENT or its parts was possible only by continuous activation of control by OPERATOR as long as OPERATOR response to deactivate device relied upon to prevent HARM		N/A
	Manually operated movements complied with this clause since mass and velocity allowed adequate control of positioning without causing an unacceptable RISK		N/A
	c) when in a SINGLE FAULT CONDITION of continuous activation system an unacceptable RISK could arise, one or more emergency stopping device(s) provided in ME EQUIPMENT .....:		N/A
9.2.2.6	Speed of movement(s) positioning parts of ME EQUIPMENT or PATIENT, when contact with ME EQUIPMENT could result in a HAZARDOUS SITUATION, limited to allow OPERATOR control of positioning without resulting in an unacceptable RISK .....:		N/A
	Over travel (stopping distance) of such movement occurring after operation of a control to stop movement, did not result in an unacceptable RISK		N/A
9.2.3	Other HAZARDS associated with moving parts		N/A
9.2.3.1	Controls positioned, recessed, or protected by other means and could not be accidentally actuated to result in unacceptable RISK, except when ergonomic considerations for a PATIENT with special needs require otherwise		N/A
9.2.3.2	RISK due to over travel (past range limits) of ME EQUIPMENT parts reduced to an acceptable level, and stops or other means with mechanical strength		N/A

	to withstand intended loading in NORMAL USE and foreseeable misuse provided limiting measure in NORMAL and SINGLE FAULT CONDITION .....:		
9.2.4	Emergency stopping devices		N/A
	Where necessary to have one or more emergency stopping device(s), emergency stopping device complied with all the following, except for actuating switch capable of interrupting all power .....:		N/A
	a) Emergency stopping device reduced RISK to an acceptable level		N/A
	b) Proximity and response of OPERATOR to actuate emergency stopping device could be relied upon to prevent HARM		N/A
	c) Emergency stopping device actuator was readily accessible to OPERATOR		N/A
	d) Emergency stopping device(s) are not part of normal operation of ME EQUIPMENT		N/A
	e) Emergency switching operation or stopping means neither introduced further HAZARD nor interfered with operation necessary to remove original HAZARD		N/A
	f) Emergency stopping device was able to break full load of relevant circuit, including possible stalled motor currents and the like		N/A
	g) Means for stopping of movements operate as a result of one single action		N/A
	h) Emergency stopping device provided with an actuator in red and easily distinguishable and identifiable from other controls		N/A
	i) An actuator interrupting/opening mechanical movements marked on or immediately adjacent to face of actuator with symbol 18 of Table D.1 (symbol IEC 60417-5638, DB:2002-10) or "STOP"		N/A
	j) Emergency stopping device, once actuated, maintained ME EQUIPMENT in disabled condition until a deliberate action, different from that used to actuate it, was performed		N/A
	k) Emergency stopping device is suitable for its application		N/A
9.2.5	Means provided to permit quick and safe release of PATIENT in event of breakdown of ME EQUIPMENT or failure of power supply, activation of a protective measure, or emergency stopping, and		N/A
	- Uncontrolled or unintended movement of ME EQUIPMENT that could result in an unacceptable RISK prevented		N/A
	- Situations where PATIENT is subjected to unacceptable RISKS due to proximity of moving		N/A

	parts, removal of NORMAL exit routes, or other HAZARDS prevented		
	- measures provided to reduce RISK to an acceptable level when after removal of counterbalanced parts, other parts of ME EQUIPMENT can move in a hazardous way		N/A
9.3	Rough surfaces, sharp corners and edges of ME EQUIPMENT that could result in an unacceptable RISK avoided or covered .....:	See appended RM Results Table 9.3	Pass
9.4	Instability HAZARDS		Pass
9.4.1	ME EQUIPMENT, other than FIXED and hand-held, for placement on a surface did not overbalance (tip over) or move unexpectedly, to the degree that it could present an unacceptable RISK to PATIENT, or OPERATOR as tested in 9.4.2 to 9.4.4		N/A
9.4.2	Instability - overbalance		Pass
9.4.2.1	ME EQUIPMENT or its parts did not overbalance when prepared per ACCOMPANYING DOCUMENTS, or when not specified, as in 9.4.2.2, and placed on a 10° inclined plane from horizontal consisting of a hard and flat surface (e.g., concrete floor covered with 2 to 4 mm thick vinyl material) ..:	See Appended Table 9.4.2.1	Pass
9.4.2.2	Instability excluding transport		Pass
	ME EQUIPMENT or its parts prepared based on a) to g), inclusive, did not overbalance when placed in different positions of NORMAL USE, except transport positions, on a 5° inclined plane from horizontal (hard and flat surface)		N/A
	A warning provided, stating "Transport only under conditions described in instructions for use or marked on ME EQUIPMENT with an indication of RESIDUAL RISK if ME EQUIPMENT or its parts overbalances" when overbalance occurred during 10° inclined plane test		N/A
9.4.2.3	Instability from horizontal and vertical forces		N/A
	a) ME EQUIPMENT with a mass of 25 kg or more, other than FIXED ME EQUIPMENT for use on floor, did not overbalance due to pushing or resting		N/A
	Surfaces of ME EQUIPMENT where a RISK of overbalancing exists from pushing, leaning, resting etc., permanently marked with a CLEARLY LEGIBLE warning of the RISK (e.g., safety sign 5 of Table D.2, safety sign ISO 7010-P017)		N/A
	ME EQUIPMENT did not overbalance when placed on a horizontal plane, and a force of 25% of its weight, but not more than 220 N, applied in different directions, except a direction with an upward component		N/A
	b) ME EQUIPMENT, other than FIXED ME		N/A

	EQUIPMENT, for use on the floor or on a table, did not overbalance due to sitting or stepping, except when a legible warning of this RISK provided on ME EQUIPMENT (e.g., safety signs 6 and 7 of Table D.2, safety signs ISO 7010-P018, or ISO 7010-P019 as appropriate)		
	ME EQUIPMENT did not overbalance when placed on a horizontal plane, and a constant force of 800 N applied at the point of maximum moment to working surfaces, offering an foothold or sitting surface of a min 20 x 20 cm area, and at a height 1 m from the floor .....:		N/A
9.4.2.4	Castors and wheels		N/A
9.4.2.4.1	Means used for transportation of MOBILE ME EQUIPMENT (e.g., castors or wheels) did not result in an unacceptable RISK when MOBILE ME EQUIPMENT moved or parked in NORMAL USE	Should be evaluated as part of the end product.	N/A
9.4.2.4.2	Force required to move MOBILE ME EQUIPMENT along a hard and flat horizontal surface did not exceed 200 N applied at a height of 1 m above floor or highest point on ME EQUIPMENT when < 1 m high, except when instructions indicated more than one person needed (N) .....:	Should be evaluated as part of the end product.	N/A
9.4.2.4.3	MOBILE ME EQUIPMENT exceeding 45 kg configured with a SAFE WORKING LOAD, moved 10 times in forward direction over a solid vertical plane obstruction with wheels impacting the obstruction at a speed of 0.4 m/s ± 0.1 m/s for manual or with max speed for motor driven MOBILE ME EQUIPMENT .....:	Should be evaluated as part of the end product.	N/A
	ME EQUIPMENT went up the obstruction without overbalancing or any other unacceptable RISK as determined by examination of RISK MANAGEMENT FILE, ME EQUIPMENT and its parts .....:	Should be evaluated as part of the end product.	N/A
	There was no reduction of CREEPAGE and CLEARANCES below 8.9, no access to parts exceeding limits in 8.4, and no access to moving parts capable of causing HARM, and	Should be evaluated as part of the end product.	N/A
	- Assessment criteria in Clause 9 and 11.6 used	Should be evaluated as part of the end product.	N/A
	- Dielectric strength test of 8.8.3 conducted to evaluate integrity of solid SUPPLEMENTARY or REINFORCED INSULATION	Should be evaluated as part of the end product.	N/A
	- CREEPAGE DISTANCES and AIR CLEARANCES measured compared favourably with min distances in clause 8.9	Should be evaluated as part of the end product.	N/A
	Small chips not adversely affecting protection against electric shock or moisture, disregarded	Should be evaluated as part of the end product.	N/A
9.4.3	Instability from unwanted lateral movement (including sliding)		N/A
9.4.3.1	a) Brakes of power-driven MOBILE ME	Should be evaluated as part of	N/A

	EQUIPMENT normally activated and could only be released by continuous actuation of a control	the end product.	
	b) MOBILE ME EQUIPMENT provided with locking means to prevent unwanted movements of ME EQUIPMENT or its parts in transport position	Should be evaluated as part of the end product.	N/A
	c) No unacceptable RISK due to unwanted lateral movement resulted when MOBILE ME EQUIPMENT placed in its transport position or worst case NORMAL USE position with SAFE WORKING LOAD, and locking device activated, on a 10° inclined hard flat surface with castors in the worst-case position	Should be evaluated as part of the end product.	N/A
	Following initial elastic movement, creepage, and pivoting of castors, no further movement of MOBILE ME EQUIPMENT > 50 mm (in relation to inclined plane) occurred (mm)	Should be evaluated as part of the end product.	N/A
	RISK due to any initial movement assessed taking into consideration NORMAL USE of ME EQUIPMENT	Should be evaluated as part of the end product.	N/A
9.4.3.2	Instability excluding transport		N/A
	a) Further movement of ME EQUIPMENT (after initial elastic movement) was less than 50 mm when MOBILE ME EQUIPMENT with a SAFE WORKING LOAD positioned on a 5 inclined hard flat surface with wheel locked or braking system activated (mm).....:	Should be evaluated as part of the end product.	N/A
	RISK due to initial movements assessed taking into consideration NORMAL USE of ME EQUIPMENT	Should be evaluated as part of the end product.	N/A
	b) TRANSPORTABLE or STATIONARY ME EQUIPMENT for use on the floor and with a SAFE WORKING LOAD prepared as in 9.4.2.2 and placed on a horizontal plane with locking device activated and castors, when supplied, in their worst -case position	Should be evaluated as part of the end product.	N/A
	Further movement of ME EQUIPMENT (after initial elastic movement), was no more than 50 mm when a force of 25 % of weight of unit, but less than 220 N, applied in different directions, except a direction with an upwards component, at highest point of ME EQUIPMENT but 1.5 m from floor.....:	Should be evaluated as part of the end product.	N/A
	RISK due to initial movements assessed taking into consideration NORMAL USE of ME EQUIPMENT	Should be evaluated as part of the end product.	N/A
9.4.4	Grips and other handling devices		N/A
	a) ME EQUIPMENT other than PORTABLE EQUIPMENT or its part with a mass of over 20 kg requiring lifting in NORMAL USE or transport provided with suitable handling means, or ACCOMPANYING DOCUMENTS specify safe lifting method, except when handling is obvious and causing HAZARDS		N/A
	Handles, when supplied, suitably placed to enable		N/A

	ME EQUIPMENT or its part to be carried by two or more persons and by examination of EQUIPMENT, its part, or ACCOMPANYING DOCUMENTS		
	b) PORTABLE ME EQUIPMENT with a mass > 20 kg provided with one or more carrying-handles suitably placed to enable carrying by two or more persons as confirmed by actual carrying		N/A
	c) Carrying handles and grips and their means of attachment withstood loading test.....:		N/A
9.5	Expelled parts HAZARD		N/A
9.5.1	Suitability of means of protecting against unacceptable RISK of expelled parts determined by assessment and examination of RISK MANAGEMENT FILE.....:		N/A
9.5.2	Cathode ray tube(s) complied with IEC 60065:2001, Clause 18, or IEC 61965.....:		N/A
9.6	Acoustic energy (including infra- and ultrasound) and vibration		N/A
9.6.1	Human exposure to acoustic energy and vibration from ME EQUIPMENT doesn't result in unacceptable RISK as confirmed in RISK MANAGEMENT FILE including audibility of auditory alarm signals, PATIENT sensitivity, and tests of 9.6.2 and 9.6.3.....:		N/A
9.6.2	Acoustic energy		N/A
9.6.2.1	PATIENT, OPERATOR, and other persons are not exposed to acoustic energy from ME EQUIPMENT in NORMAL USE, except for auditory alarm signals	no such parts	N/A
	- 80 dBA for a cumulative exposure of 24 h over a 24 h period (dBA).....:		-
	- 83 dBA (when halving the cumulative exposure time) (dBA).....:		-
	- 140 dB un-weighted sound pressure level for impulsive or impact acoustic energy (dB).....:		-
9.6.2.2	RISK MANAGEMENT FILE examined for RISKS associated with infrasound or ultrasound, when present, addressed in RISK MANAGEMENT PROCESS		N/A
9.6.3	Hand-transmitted vibration		N/A
	Means provided, except for INTENDED USE vibrations, to protect PATIENT and OPERATOR when hand-transmitted frequency-weighted r.m.s. acceleration generated in NORMAL USE exceeds specified values measured at points of hand contact with PATIENT or OPERATOR		N/A
	- 2.5 m/s2 for a cumulative time of 8 h during a 24 h period (m/s2).....:		N/A
	- Accelerations for different times, inversely proportional to square root of time (m/s2).....:		N/A
9.7	Pressure vessels and parts subject to pneumatic and hydraulic pressure		N/A

9.7.1	Requirements of this clause applied to vessels and parts of ME EQUIPMENT subject to pressure resulting in rupture and unacceptable RISK	no such parts	N/A
	Parts of a pneumatic or hydraulic system used as a support system, comply with 9.8		N/A
9.7.2	Pneumatic and hydraulic parts of ME EQUIPMENT or ACCESSORIES met following requirements based on examination of RISK MANAGEMENT FILE.....:		N/A
	- no unacceptable RISK resulted from loss of pressure or loss of vacuum		N/A
	- no unacceptable RISK resulted from a fluid jet caused by LEAKAGE or a component failure		N/A
	- Elements of ME EQUIPMENT or an ACCESSORY, especially pipes and hoses leading to an unacceptable RISK protected against harmful external effects		N/A
	- Reservoirs and similar vessels leading to an unacceptable RISK are automatically depressurized when ME EQUIPMENT is isolated from its POWER supply		N/A
	Means provided for isolation, or local depressurizing reservoirs and similar vessels, and pressure indication when above not possible		N/A
	- all Elements remaining under pressure after isolation of ME EQUIPMENT or an ACCESSORY from its POWER supply resulting in an unacceptable RISK provided with clearly identified exhaust devices, and a warning to depressurize these Elements before setting or maintenance activity		N/A
9.7.3	Maximum pressure a part of ME EQUIPMENT can be subjected to in NORMAL and SINGLE FAULT CONDITIONS considered to be highest of following:		N/A
	a) RATED maximum supply pressure from an external source		N/A
	b) Pressure setting of a pressure-relief device provided as part of assembly		N/A
	c) Max pressure that can develop by a source of pressure that is part of assembly, unless pressure limited by a pressure-relief device		N/A
9.7.4	Max pressure in NORMAL and SINGLE FAULT CONDITIONS did not exceed MAXIMUM PERMISSIBLE WORKING PRESSURE for EQUIPMENT part, except as allowed in 9.7.7, confirmed by examination of ME EQUIPMENT and RISK MANAGEMENT FILE, and by functional tests .....:		N/A
9.7.5	A pressure vessel withstood a HYDRAULIC TEST		N/A

	PRESSURE when pressure was > 50 kPa, and product of pressure and volume was more than 200 kPaI .....:		
9.7.6	Pressure-control device regulating pressure in ME EQUIPMENT with pressure-relief device completed 100,000 cycles of operation under RATED load and prevented pressure from exceeding 90 % of setting of pressure-relief device in different conditions of NORMAL USE .....:		N/A
9.7.7	Pressure-relief device(s) used where MAXIMUM PERMISSIBLE WORKING PRESSURE could otherwise be exceeded met the following, as confirmed by MANUFACTURER'S data, ME EQUIPMENT, RISK MANAGEMENT FILE, and functional tests .....:		N/A
	a) Connected as close as possible to pressure vessel or parts of system it is to protect		N/A
	b) Installed to be readily accessible for inspection, maintenance, and repair		N/A
	c) Could be adjusted or rendered inoperative without a TOOL		N/A
	d) With discharge opening located and directed as to not to release material towards any person		N/A
	e) With discharge opening located and directed as to not to deposit material on parts that could result in an unacceptable RISK		N/A
	f) Adequate discharge capacity provided to ensure that pressure will not exceed MAXIMUM PERMISSIBLE WORKING PRESSURE of system it is connected to by more than 10 % when failure occurs in control of supply pressure		N/A
	g) No shut-off valve provided between a pressure-relief device and parts it is to protect		N/A
	h) Min number of cycles of operation 100 000, except for one-time use devices (bursting disks)		N/A
9.8	HAZARDS associated with support systems		Pass
9.8.1	ME EQUIPMENT parts designed to support loads or provide actuating forces when a mechanical fault could constitute an unacceptable RISK .....:	See appended RM Results Table 9.8.1	Pass
	- Construction of support, suspension, or actuation system complied with Table 21 and TOTAL LOAD		Pass
	- means of attachment of ACCESSORIES prevent possibility of incorrect attachment that could result in an unacceptable RISK		N/A
	- RISK ANALYSIS of support systems included HAZARDS from static, dynamic, vibration, impact and pressure loading, foundation and other movements, temperature, environmental, manufacture and SERVICE conditions		N/A

	- RISK ANALYSIS included effects of failures such as excessive deflection, plastic deformation, ductile/brittle fracture, fatigue fracture, instability (buckling), stress-assisted corrosion cracking, wear, material creep and deterioration, and residual stresses from manufacturing PROCESSES	See appended RM Results Table 9.8.1	Pass
	- instructions on attachment of structures to a floor, wall, ceiling, included in ACCOMPANYING DOCUMENTS making adequate allowances for quality of materials used to make the connection and list the required materials		N/A
	Additional instructions provided on checking adequacy of surface of structure parts will be attached to		N/A
9.8.2	Support systems maintain structural integrity during EXPECTED SERVICE LIFE, and TENSILE SAFETY FACTORS are not less than in Table 21, except when an alternative method used to demonstrate structural integrity throughout EXPECTED SERVICE LIFE, or for a foot rest		Pass
	Compliance with 9.8.1 and 9.8.2 confirmed by examination of ME EQUIPMENT, RISK MANAGEMENT FILE, specifications and material processing .....:	See appended RM Results Table 9.8.2	Pass
	When test results were part of information, testing consisted of application of a test load to support assembly equal to TOTAL LOAD times required TENSILE SAFETY FACTOR while support assembly under test was in equilibrium after 1 min, or not resulted in an unacceptable RISK .....:		N/A
9.8.3	Strength of PATIENT or OPERATOR support or suspension systems		N/A
9.8.3.1	ME EQUIPMENT parts supporting or immobilizing PATIENTS minimize RISK of physical injuries and accidental loosening of secured joints	No support systems used	N/A
	SAFE WORKING LOAD of ME EQUIPMENT or its parts supporting or suspending PATIENTS or OPERATORS is sum of mass of PATIENTS or mass of OPERATORS plus mass of ACCESSORIES supported by ME EQUIPMENT or its parts	No support systems used	N/A
	Supporting and suspending parts for adult human PATIENTS or OPERATORS designed for a PATIENT or OPERATOR with a min mass of 135 kg and ACCESSORIES with a min mass of 15 kg, unless stated by MANUFACTURER	No support systems used	N/A
	Maximum mass of PATIENT included in SAFE WORKING LOAD of ME EQUIPMENT or its parts supporting or suspending PATIENTS adapted when MANUFACTURER specified applications	No support systems used	N/A
	Max allowable PATIENT mass < 135 kg marked on ME EQUIPMENT and stated in ACCOMPANYING	No support systems used	N/A

	DOCUMENTS		
	Max allowable PATIENT mass > 135 kg stated in ACCOMPANYING DOCUMENTS	No support systems used	N/A
	Examination of markings, ACCOMPANYING DOCUMENTS, and RISK MANAGEMENT FILE confirmed compliance .....:	No support systems used	N/A
9.8.3.2	Part of SAFE WORKING LOAD representing mass of PATIENTS or OPERATORS is distributed on support/suspension surface representing human body as in Fig A.19	No support systems used	N/A
	Part of SAFE WORKING LOAD representing mass of ACCESSORIES deployed as in NORMAL USE and, when not defined, at worst case position permitted by configuration or ACCESSORIES attachment on support/suspension parts	No support systems used	N/A
	a) Entire mass of PATIENT or OPERATOR distributed over an area of 0.1 m2 on a foot rest temporarily supporting a standing PATIENT or OPERATOR:	No support systems used	N/A
	Compliance confirmed by examination of ME EQUIPMENT, RISK MANAGEMENT FILE, specifications of materials and their processing, and tests	No support systems used	N/A
	PATIENT support/suspension system positioned horizontally in most disadvantageous position in NORMAL USE, and a mass 2 x 135 kg or twice intended person's load (the greater used), applied to foot rest over an area of 0.1 m2 for 1 min (Kg):	No support systems used	N/A
	Damage or deflection resulting in an unacceptable RISK did not occur on foot rest and its secured joints	No support systems used	N/A
	b) Deflection of a support surface from PATIENT or OPERATOR loading on an area of support/ suspension where a PATIENT or OPERATOR can sit did not result in an unacceptable RISK .....:	No support systems used	N/A
	Compliance confirmed by examination of ME EQUIPMENT, RISK MANAGEMENT FILE, specifications of materials and their processing, and by a test.....:	No support systems used	N/A
	PATIENT support/suspension system set in most unfavourable NORMAL USE position, and a mass of 60 % of part of SAFE WORKING LOAD simulating PATIENT or OPERATOR, or a min 80 kg, placed on support or suspension system with centre of load 60 mm from outer edge of support or suspension system for at least one minute (Kg)....:	No support systems used	N/A
	Deflection of support/suspension system resulting in an unacceptable RISK not occur	No support systems used	N/A
9.8.3.3	Dynamic forces that can be exerted on equipment parts supporting or suspending a PATIENT or OPERATOR in NORMAL USE did not result in an	No support systems used	N/A

	unacceptable RISK as confirmed by following test:		
	PATIENT support/suspension system set in most unfavourable NORMAL USE position, and a mass equal to SAFE WORKING LOAD simulating PATIENT or OPERATOR dropped from 150 mm above seat area on an area of support/ suspension a PATIENT or OPERATOR can sit .....:	No support systems used	N/A
9.8.4	Systems with MECHANICAL PROTECTIVE DEVICES		N/A
9.8.4.1	a) A MECHANICAL PROTECTIVE DEVICE provided when a support system or its parts impaired by wear have a TENSILE SAFETY FACTOR to values in Table 21, rows 5 and 6, but less than 3 and 4 .....:	No support systems used	N/A
	b) MECHANICAL PROTECTIVE complies with the requirements as follows:	No support systems used	N/A
	- Designed based on TOTAL LOAD, and includes effects of Safe WORKING LOAD when applicable	No support systems used	N/A
	- Has TENSILE SAFETY FACTORS for all parts not less than Table 21, row 7	No support systems used	N/A
	- Activated before travel (movement) produced an unacceptable RISK	No support systems used	N/A
	- Takes into account Clauses 9.2.5 and 9.8.4.3	No support systems used	N/A
	Compliance confirmed by examination of ME EQUIPMENT, RISK MANAGEMENT FILE, specifications of materials and their processing ...:	No support systems used	N/A
9.8.4.2	Activation of MECHANICAL PROTECTIVE DEVICE is made obvious to OPERATOR when ME EQUIPMENT can still be used after failure of suspension or actuation means and activation of a MECHANICAL PROTECTIVE DEVICE (e.g., a secondary cable)	No support systems used	N/A
	MECHANICAL PROTECTIVE DEVICE requires use of a TOOL to be reset or replaced	No support systems used	N/A
9.8.4.3	MECHANICAL PROTECTIVE DEVICE intended to function once		N/A
	- Further use of ME EQUIPMENT not possible until replacement of MECHANICAL PROTECTIVE device	No support systems used	N/A
	- ACCOMPANYING DOCUMENTS instruct once MECHANICAL PROTECTIVE device is Activated, SERVICE PERSONNEL shall be called, and MECHANICAL PROTECTIVE device must be replaced before ME EQUIPMENT can be used	No support systems used	N/A
	- ME EQUIPMENT permanently marked with safety sign 2 of Table D.2 (i.e., safety sign 7010-W001)	No support systems used	N/A
	- Marking is adjacent to MECHANICAL PROTECTIVE device or its location relative to MECHANICAL PROTECTIVE device is obvious to SERVICE PERSONNEL	No support systems used	N/A
	- compliance confirmed by examination of ME	No support systems used	N/A

	EQUIPMENT, ACCOMPANYING DOCUMENTS, RISK MANAGEMENT FILE, specifications and processing of materials, and following test		
	A chain, cable, band, spring, belt, jack screw nut, pneumatic or hydraulic hose, structural part or the like, employed to support a load, defeated by a convenient means causing maximum normal load to fall from most adverse position permitted by construction of ME EQUIPMENT	No support systems used	N/A
	Load included SAFE WORKING LOAD in 9.8.3.1 when system was capable of supporting a PATIENT or OPERATOR	No support systems used	N/A
	No evidence of damage to MECHANICAL PROTECTIVE DEVICE affecting its ability to perform its intended function	No support systems used	N/A
9.8.5	Systems without MECHANICAL PROTECTIVE DEVICES		Pass
	Support system parts have TENSILE SAFETY FACTORS to values in Table 21, rows 1 and 2, and are not impaired by wear:		N/A
	Support system parts impaired by wear, however, they have TENSILE SAFETY FACTORS to values in Table 21, rows 3 and 4	Equipment = 5.6 kg (without stand) with safety factor 4 = 22.4 kg, No hazardous.	Pass
	Examination of ME EQUIPMENT and RISK MANAGEMENT FILE confirmed compliance		N/A

10	**PROTECTION AGAINST UNWANTED AND EXCESSIVE RADIATION HAZARDS**		N/A
10.1.1	X-radiation dose-rate was ≤ 36 pA/kg (5 μSv/h) (0.5 mR/h) 5 cm from surface of me equipment including background radiation for me equipment not producing therapeutic/diagnostic X-radiation but producing ionizing radiation :	No X-Radiation	N/A
	Amount of radiation measured by means of an ionizing chamber radiation monitor with an effective area of 10 cm2 or by other instruments producing equal results		N/A
	Me equipment operated as in normal use at most unfavourable rated mains voltage and controls adjusted to emit maximum radiation		N/A
	Internal pre-set controls not intended for adjustment during expected service life of me equipment not taken into consideration		N/A
10.1.2	Risk from unintended X-radiation from me equipment producing X-radiation for diagnostic and therapeutic purposes addressed in risk management process as indicated in risk management file (see IEC 60601-1-3 & 1.3) :		N/A
10.2	Risk associated with alpha, beta, gamma, neutron, and other particle radiation, when applicable,		N/A

	addressed in risk management process as shown in risk management file :		
10.3	Risk associated with microwave radiation, when applicable, addressed in risk management process as indicated in risk management file :		N/A
10.4	Relevant requirements of IEC 60825-1:1993 applied to lasers, light emitting diodes (LEDs), and laser light barriers or similar products		N/A
10.5	Risk associated with visible electromagnetic radiation other than emitted by lasers and leds, when applicable, addressed in risk management process as indicated in risk management file :		N/A
10.6	Risk associated with infrared radiation other than emitted by lasers and leds, as applicable, addressed in risk management process as indicated in risk management file :		N/A
10.7	Risk associated with ultraviolet radiation other than emitted by lasers and leds, as applicable, addressed in risk management process as indicated in risk management file :	No UV	N/A

11	**PROTECTION AGAINST EXCESSIVE TEMPERATURES AND OTHER HAZARDS**		Pass
11.1	Excessive temperatures in ME EQUIPMENT		Pass
11.1.1	Temperatures on ME EQUIPMENT parts did not exceed values in Tables 22 and 23 operating in worst-case NORMAL USE at maximum rated ambient operating temperature T.....:	See appended Table 11.1.1	Pass
	Surfaces of test corner did not exceed 90 °C	See appended Table 11.1.1	Pass
	THERMAL CUT-OUTS did not operate in NORMAL CONDITION	No thermal cut-outs used	N/A
11.1.2	Temperature of APPLIED PARTS		N/A
11.1.2.1	Temperatures, hot or cold surfaces, and when appropriate, clinical effects of APPLIED PARTS supplying heat to a PATIENT determined and documented in RISK MANAGEMENT FILE and instructions for use .....:		N/A
11.1.2.2	APPLIED PARTS not supplying heat to a PATIENT met Table 24 with max surface temperatures > 41 °C disclosed in instructions for use, and clinical effects regarding maturity of PATIENTS, body surface, surface pressure, medications taken, as shown in RISK MANAGEMENT FILE .....:		N/A
	Surfaces of APPLIED PARTS cooled below ambient temperatures that can also result in HAZARD evaluated as part of RISK MANAGEMENT PROCESS		N/A
11.1.3	Measurements not made when engineering judgment and rationale by MANUFACTURER	See appended RM Results Table 11.1.3	Pass

	indicated temperature limits could not exceed, as documented in RISK MANAGEMENT FILE.....:		
	Test corner not used where engineering judgment and rationale by MANUFACTURER indicated test corner will not impact measurements, as documented in RISK MANAGEMENT FILE		N/A
	Probability of occurrence and duration of contact for parts likely to be touched and for APPLIED PARTS documented in RISK MANAGEMENT FILE		N/A
11.1.4	GUARDS preventing contact with hot or cold accessible surfaces removable only with a TOOL	No such parts.	N/A
11.2	Fire prevention		Pass
11.2.1	ENCLOSURE has strength and rigidity necessary to prevent a fire caused by reasonably foreseeable misuse and met mechanical strength tests for ENCLOSURES in 15.3		Pass
11.2.2	Me equipment and me systems used in conjunction with OXYGEN RICH ENVIRONMENTS		N/A
11.2.2.1	RISK of fire in an OXYGEN RICH ENVIRONMENT reduced by means limiting spread of fire under NORMAL or SINGLE FAULT CONDITIONS when source of ignition in contact with ignitable material :	Not used with oxygen or oxygen enriched environments	N/A
	Requirements of 13.1.1 applied to oxygen concentrations up to 25 % at one atmosphere or partial pressures up to 27.5 kPa for higher atmospheric pressures	Not used with oxygen or oxygen enriched environments	N/A
	a) No sources of ignition discovered in an OXYGEN RICH ENVIRONMENT in NORMAL and SINGLE FAULT CONDITIONS under any of the following conditions .....:	Not used with oxygen or oxygen enriched environments	N/A
	1) when temperature of material raised to its ignition temperature	Not used with oxygen or oxygen enriched environments	N/A
	2) when temperatures affected solder or solder joints causing loosening, short circuiting, or other failures causing sparking or increasing material temperature to its ignition temperature	Not used with oxygen or oxygen enriched environments	N/A
	3) when parts affecting safety cracked or changed outer shape exposing temperatures higher than 300°C or sparks due to overheating	Not used with oxygen or oxygen enriched environments	N/A
	4) when temperatures of parts or components exceeded 300°C, atmosphere was 100 % oxygen, contact material solder, and fuel cotton	Not used with oxygen or oxygen enriched environments	N/A
	5) when sparks provided adequate energy for ignition by exceeding limits of Figs 35 to 37 (inclusive), atmosphere was 100 % oxygen, contact material solder, and fuel cotton	Not used with oxygen or oxygen enriched environments	N/A
	Deviations from worst case limits in 4) and 5) above based on lower oxygen concentrations or less flammable fuels justified and documented in RISK MANAGEMENT FILE	Not used with oxygen or oxygen enriched environments	N/A

	Alternative test in this clause did not identify existence of ignition sources at highest voltage or current, respectively .....:	Not used with oxygen or oxygen enriched environments	N/A
	A safe upper limit determined by dividing upper limit of voltage or current, respectively, with safety margin factor of three .....:	Not used with oxygen or oxygen enriched environments	N/A
	b) RESIDUAL RISK of fire in an OXYGEN RICH ENVIRONMENT as determined by application of RISK MANAGEMENT PROCESS is based on following configurations, or in combination .....:	Not used with oxygen or oxygen enriched environments	N/A
	1) Electrical components in an OXYGEN RICH ENVIRONMENT provided with power supplies having limited energy levels lower than those considered sufficient for ignition in 11.2.2.1 a) as determined by examination, measurement or calculation of power, energy, and temperatures in NORMAL and SINGLE FAULT CONDITIONS identified in 11.2.3 .....:	Not used with oxygen or oxygen enriched environments	N/A
	2) Max oxygen concentration measured until it did not exceed 25 % in ventilated compartments with parts that can be a source of ignition only in SINGLE FAULT CONDITION and can be penetrated by oxygen due to an undetected leak (%).....:	Not used with oxygen or oxygen enriched environments	N/A
	3) A compartment with parts or components that can be a source of ignition only under SINGLE FAULT CONDITION separated from another compartment containing an OXYGEN RICH ENVIRONMENT by sealing all joints and holes for cables, shafts, or other purposes	Not used with oxygen or oxygen enriched environments	N/A
	Effect of possible leaks and failures under SINGLE FAULT CONDITION that could cause ignition evaluated using a RISK ASSESSMENT to determine maintenance intervals by examination of documentation and RISK MANAGEMENT FILE....:	Not used with oxygen or oxygen enriched environments	N/A
	4) Fire initiated in ENCLOSURE of electrical components in a compartment with OXYGEN RICH ENVIRONMENT that can become a source of ignition only under SINGLE FAULT CONDITIONS self-extinguished rapidly and no hazardous amount of toxic gases reached PATIENT as determined by analysis of gases .....:	Not used with oxygen or oxygen enriched environments	N/A
11.2.2.2	RISK of ignition under least favourable conditions did not occur and oxygen concentration did not exceed 25% in immediate surroundings due to location of external exhaust outlets of an OXYGEN RICH ENVIRONMENT when electrical components mounted outside of ME EQUIPMENT or ME SYSTEM	Not used with oxygen or oxygen enriched environments	N/A
11.2.2.3	Electrical connections within a compartment containing an OXYGEN RICH ENVIRONMENT under NORMAL USE did not produce sparks due to loosening or breaking, except when limited in	Not used with oxygen or oxygen enriched environments	N/A

	power and energy to values in 11.2.2.1 a) 5)		
	- Screw-attachments protected against loosening during use by varnishing, use of spring washers, or adequate torques	Not used with oxygen or oxygen enriched environments	N/A
	- Soldered, crimped, and pin-and-socket CONNECTIONS of cables exiting ENCLOSURE include additional MECHANICAL securing means	Not used with oxygen or oxygen enriched environments	N/A
11.2.3	SINGLE FAULT CONDITIONS related to OXYGEN RICH ENVIRONMENTS ME EQUIPMENT and ME SYSTEMS considered		N/A
	- Failure of a ventilation system constructed in accordance with 11.2.2.1 b) 2).....:	Not used with oxygen or oxygen enriched environments	N/A
	- Failure of a barrier constructed in accordance with 11.2.2.1 b) 3).....:	Not used with oxygen or oxygen enriched environments	N/A
	- Failure of a component creating a source of ignition (as defined in 11.2.2.1 a).....:	Not used with oxygen or oxygen enriched environments	N/A
	- Failure of solid insulation or creepage and clearances providing equivalent of at least one MEANS OF PATIENT PROTECTION but less than two MEANS OF PATIENT PROTECTION that could create a source of ignition defined in 11.2.2.1 a) .....:	Not used with oxygen or oxygen enriched environments	N/A
	- failure of a pneumatic component resulting in LEAKAGE of oxygen-enriched gas.....:	Not used with oxygen or oxygen enriched environments	N/A
11.3	Constructional requirements for fire ENCLOSURES of ME EQUIPMENT		Pass
	ME EQUIPMENT met this clause for alternate means of compliance with selected HAZARDOUS SITUATIONS and fault conditions in 13.1.2.....:	See appended RM Results Table 11.3	Pass
	Constructional requirements were met, or		Pass
	- constructional requirements specifically analysed in RISK MANAGEMENT FILE	See appended RM Results Table 11.3	Pass
	Justification, when requirement not met:	The constructional requirements were met	Pass
	a) Flammability classification of insulated wire within fire ENCLOSURE is FV-1, or better, based on IEC 60695 series as determined by examination of data on materials	See appended Table 8.10	Pass
	Flammability classification of connectors, printed circuit boards, and insulating material on which components are mounted is FV-2, or better, based on IEC 60695-11-10 as decided by examination of materials data:	See appended Table 8.10	Pass
	If no FV Certification, FV tests based on IEC 60695-11-10 conducted on 3 samples of complete parts (or sections of it), including area with min. thickness, ventilation openings		N/A
	b) Fire ENCLOSURE met following:		Pass
	1) No openings at bottom or, as specified in Fig 39, constructed with baffles as in Fig 38, or made of perforated metal as in Table 25, or a metal screen	Numerous openings provided. No hazardous part within projection area at a 5o angle	Pass

	with a mesh 2 x 2 mm centre to centre and wire diameter of at least 0.45 mm	from edge of the opening. Meet Table 25,	
	2) No openings on the sides within the area included within the inclined line C in Fig 39		Pass
	3) ENCLOSURE, baffles, and flame barriers have adequate rigidity and made of appropriate metal or of non-metallic materials, except constructions based on Table 25 and a mesh; FV-2 or better for TRANSPORTABLE ME EQUIPMENT, FV-1 or better for fixed EQUIPMENT, or STATIONARY EQUIPMENT per IEC 60695-11-10, determined by ENCLOSURE examination or flammability classification based on 11.3a).....:	See appended Table 8.10	Pass
11.4	ME EQUIPMENT and ME SYSTEMS intended for use with flammable anaesthetics		N/A
	ME EQUIPMENT, ME SYSTEMS and parts described in ACCOMPANYING DOCUMENTS for use with flammable anaesthetics (CATEGORY AP) or anaesthetics with oxidants (CATEGORY APG) comply with Annex G	Not evaluated for use in the presence of flammable anesthetics.	N/A
11.5	ME EQUIPMENT and ME SYSTEMS intended for use in conjunction with flammable agents		N/A
	MANUFACTURER'S RISK MANAGEMENT PROCESS addresses possibility of fire and associated mitigations as confirmed by examination of RISK MANAGEMENT FILE.....:		N/A
11.6	Overflow, spillage, leakage, ingress of water or particulate matter, cleaning, disinfection, sterilization and compatibility with substances used with the ME EQUIPMENT		Pass
11.6.1	Sufficient degree of protection provided against overflow, spillage, leakage, ingress of water or particulate matter, cleaning, disinfection and sterilization, and compatibility with substances used with ME EQUIPMENT .....:	See appended Table 11.6.1	Pass
11.6.2	Overflow in ME EQUIPMENT	Does not use liquids in normal use	N/A
	Liquid reservoir liable to overflow in NORMAL USE completely filled and 15 % of its capacity poured in for over 1 min, and except when restricted, TRANSPORTABLE ME EQUIPMENT tilted through an angle of 15° in least favourable direction(s), and when necessary refilled starting from position of NORMAL USE.....:	Does not use liquids in normal use	N/A
	ME EQUIPMENT met dielectric strength and LEAKAGE CURRENT tests and uninsulated electrical parts or electrical insulation of parts that could result in a HAZARDOUS SITUATION were not wet.....:	Does not use liquids in normal use	N/A
11.6. 3	Spillage on ME EQUIPMENT and ME SYSTEM	Does not use liquids in normal use	N/A
	ME EQUIPMENT and ME SYSTEMS handling liquids in NORMAL USE positioned as in 5.4 a) and	Does not use liquids in normal use	N/A

	liquid with composition, volume, duration of spill, point of contact, and test conditions based on RISK MANAGEMENT PROCESS poured steadily on a point on top of ME EQUIPMENT.....:		
	ME EQUIPMENT met dielectric strength and LEAKAGE CURRENT tests and uninsulated electrical parts or electrical insulation of parts that could result in a HAZARDOUS SITUATION were not wet .....:	Does not use liquids in normal use	N/A
11.6.4	Leakage		N/A
11.6.5	Ingress of water or particulate matter into ME EQUIPMENT and ME SYSTEMS		N/A
	ME EQUIPMENT with IP Code placed in least favourable position of NORMAL USE and subjected to tests of IEC 60529 (IP Code).....:	Rated with no ingress protection (IP0X or IPX0)	N/A
	ME EQUIPMENT met dielectric strength and LEAKAGE CURRENT tests and there were no bridging of insulation or electrical components that could result in a HAZARDOUS SITUATION in NORMAL CONDITION or in a SINGLE FAULT CONDITION	Rated with no ingress protection (IP0X or IPX0)	N/A
11.6.6	Cleaning and disinfection of ME EQUIPMENT and ME SYSTEMS		Pass
	ME EQUIPMENT/ME SYSTEM and their parts and ACCESSORIES cleaned or disinfected once using methods specified in instructions for use including any cooling or drying period .....:	See appended RM Results Table 11.6.6	Pass
	ME EQUIPMENT met dielectric strength and LEAKAGE CURRENT tests, with no deterioration resulting in an unacceptable RISK present.....:	See appended RM Results Table 11.6.6.	Pass
	Effects of multiple cleanings/disinfections during EXPECTED SERVICE LIFE of EQUIPMENT evaluated by MANUFACTURER and assurance that no unacceptable RISK will occur verified by RISK MANAGEMENT FILE review.....:	Expected service life will not be impacted since cleaning test shows solution will cause no harm / degradation to device insulation	N/A
11.6.7	Sterilization of ME EQUIPMENT and ME SYSTEMS		N/A
	ME EQUIPMENT, ME SYSTEMS and their parts or ACCESSORIES intended to be sterilized assessed and documented according to ISO 11134, ISO 11135, or ISO 11137 as appropriate.....:	Not intended to be sterilized	N/A
	After the test, ME EQUIPMENT complied with the appropriate dielectric strength and LEAKAGE CURRENT tests and there was no deterioration resulting in an unacceptable RISK.....:		N/A
11.6.8	RISKS associated with compatibility of substances used with ME EQUIPMENT addressed in RISK MANAGEMENT PROCESS as confirmed by examination of RISK MANAGEMENT FILE.....:		N/A
11.7	ME EQUIPMENT, ME SYSTEM, and ACCESSORIES coming into direct or indirect contact with biological tissues, cells, or body fluids assessed and documented per ISO 10993	Component, to be evaluated as part of the end product.	N/A

11.8	Interruption and restoration of power supply did not result in a HAZARDOUS SITUATION, except interruption of its intended function	See appended Table 11.8	N/A

12	**ACCURACY OF CONTROLS AND INSTRUMENTS AND PROTECTION AGAINST HAZARDOUS OUTPUTS**		Pass
12.1	RISKS associated with accuracy of controls and instruments stated in RISK MANAGEMENT PROCESS confirmed by RISK MANAGEMENT FILE review .....:	See appended RM Results Table 12.1	Pass
12.2	RISK of poor USABILITY, including identification, marking, and documents addressed in a USABILITY ENGINEERING PROCESS as confirmed by review of provided records .....:		N/A
12.3	The need for alarm systems as a means of RISK CONTROL and RISKS associated with operation or failure of alarm system addressed in RISK MANAGEMENT PROCESS .....:		N/A
12.4	Protection against hazardous output		N/A
12.4.1	RISKS associated with hazardous output arising from intentional exceeding of safety limits addressed in RISK MANAGEMENT PROCESS as confirmed in RISK MANAGEMENT FILE.....:	No hazardous output.	N/A
12.4.2	When applicable, need for indication of parameters associated with hazardous output addressed in RISK MANAGEMENT PROCESS as confirmed in RISK MANAGEMENT FILE .....:		N/A
12.4.3	RISKS associated with accidental selection of excessive output values for ME EQUIPMENT with a multi-purpose unit designed to provide low and high-intensity outputs for different treatments addressed in RISK MANAGEMENT PROCESS, confirmed in RISK MANAGEMENT FILE.....:		N/A
12.4.4	When applicable, RISKS associated with incorrect output addressed in RISK MANAGEMENT PROCESS as confirmed by review of RISK MANAGEMENT FILE.....:		N/A
12.4.5	Diagnostic or therapeutic radiation		N/A
12.4.5.1	Adequate provisions to protect OPERATORS, PATIENTS, other persons and sensitive devices in vicinity of unwanted or excessive radiation emitted by ME EQUIPMENT designed to produce radiation for diagnostic/therapeutic purposes		N/A
	Radiation safety ensured by compliance with requirements of appropriate standards		N/A
12.4.5.2	RISKS associated with diagnostic X-rays addressed in RISK MANAGEMENT PROCESS as confirmed in RISK MANAGEMENT FILE.....:	Not X-ray equipment	N/A
12.4.5.3	RISKS associated with radiotherapy addressed in		N/A

	RISK MANAGEMENT PROCESS as confirmed by review of RISK MANAGEMENT FILE.....:		
12.4.5.4	RISKS associated with ME EQUIPMENT producing diagnostic or therapeutic radiation other than diagnostic X-rays and radiotherapy addressed in RISK MANAGEMENT PROCESS as confirmed by examination of RISK MANAGEMENT FILE.....:		N/A
12.4.6	When applicable, RISKS associated with diagnostic or therapeutic acoustic pressure addressed in RISK MANAGEMENT PROCESS as confirmed in RISK MANAGEMENT FILE.....:		N/A

13	**HAZARDOUS SITUATIONS AND FAULT CONDITIONS**		Pass
13.1	Specific HAZARDOUS SITUATIONS		Pass
13.1.1	None of HAZARDOUS SITUATIONS in 13.1.2-13.1.4, inclusive, occurred when SINGLE FAULT CONDITIONS applied, one at a time, as in 4.7 and 13.2		Pass
13.1.2	Emissions, deformation of ENCLOSURE or exceeding maximum temperature		Pass
	- Emission of flames, molten metal, poisonous or ignitable substance in hazardous quantities did not occur		Pass
	- Deformation of ENCLOSURE impairing compliance with 15.3.1 did not occur		Pass
	- Temperatures of APPLIED PARTS did not exceed allowable values in Table 24 when measured as in 11.1.3.....:	No applied part	N/A
	- Temperatures of ME EQUIPMENT parts that are not APPLIED PARTS likely to be touched did not exceed values in Table 23 when measured and adjusted as in 11.1.3 .....:	See Test table 13.2.7 for detail	Pass
	-Allowable values for "other components and materials" in Table 22 times 1.5 minus 12.5 °C were not exceeded	Evaluated in part of power supply	N/A
	Limits for windings in Tables 26, 27, and 31 not exceeded		N/A
	Table 22 not exceeded in all other cases		Pass
	Temperatures measured according to 11.1.3		Pass
	SINGLE FAULT CONDITIONS in 4.7, 8.1 b), 8.7.2, and 13.2.2 relative to emission of flames, molten metal, or ignitable substances, not applied to parts and components where:		N/A
	- Supply circuit was unable to supply 15 W one minute after 15 W drawn from supply circuit, or		N/A
	- Parts and components completely contained within a fire ENCLOSURE complying with 11.3 as verified by review of design documentation		N/A
	After tests of this Clause, settings of THERMAL		N/A

	CUT-OUTS and OVER-CURRENT RELEASES did not change sufficiently to affect their safety function		
13.1.3	- limits for LEAKAGE CURRENT in SINGLE FAULT CONDITION based on 8.7.3 did not exceed .....:	See appended Table 8.7	Pass
	- voltage limits for ACCESSIBLE PARTS including APPLIED PARTS in 8.4.2 did not exceed.....:	See appended Table 8.7	Pass
13.1.4	ME EQUIPMENT complied with the requirements of 9.1 to 9.8 for specific MECHANICAL HAZARDS		Pass
13. 2	SINGLE FAULT CONDITIONS		Pass
13.2.1	During application of SINGLE FAULT CONDITIONS in 13.2.2 -13.2.13, inclusive, NORMAL CONDITIONS in 8.1 a) applied in least favourable combination .....:	See appended Table 13.2	Pass
13.2.2 - 13.2.12	ME EQUIPMENT complied with 13.2.2 -13.2.12 ...:	See appended Table 13.2	Pass
13.2.13	ME EQUIPMENT remained safe after tests of 13.2.13.2 to 13.2.13.4 (inclusive), and cooling down to room temperature		Pass
	ME EQUIPMENT examined for compliance or appropriate tests such as dielectric strength of motor insulation according to 8.8.3 conducted		Pass
	For insulation of thermoplastic materials relied upon as a MEANS OF PROTECTION (see 8.8), the ball-pressure test specified in 8.8.4.1 a) performed at a temperature 25 °C higher than temperature of insulation measured during tests of 13.2.13.2 to 13.2.13.4 (inclusive).		Pass
13.2.13.2	ME EQUIPMENT with heating elements		N/A
	a 1) thermostatically controlled ME EQUIPMENT with heating elements for building-in, or for unattended operation, or with a capacitor not protected by a fuse connected in parallel with THERMOSTAT contacts met tests of 13.2.13.2 b) & 13.2.13.2 c)		N/A
	a 2) ME EQUIPMENT with heating elements RATED for non-CONTINUOUS OPERATION met tests of 13.2.13.2 b) and 13.2.13.2 c)		N/A
	a 3) other ME EQUIPMENT with heating elements met test of 13.2.13.2 b)		N/A
	When more than one test was applicable to same ME EQUIPMENT, tests performed consecutively		N/A
	Heating period stopped when a heating element or an intentionally weak part of a non-SELF-RESETTING THERMAL CUT-OUT ruptured, or current interrupted before THERMAL STABILITY without possibility of automatic restoration		N/A
	Test repeated on a second sample when interruption was due to rupture of a heating		N/A

	element or an intentionally weak part		
	Both samples met 13.1.2, and open circuiting of a heating element or an intentionally weak part in second sample not considered a failure by itself		N/A
	b) ME EQUIPMENT with heating elements tested per 11.1without adequate heat discharge, and supply voltage set at 90 or 110 % of RATED supply voltage, least favourable of the two (V).....:		N/A
	Operating period stopped when a non-SELF-RESETTING THERMAL CUT-OUT operated, or current interrupted without possibility of automatic restoration before THERMAL STABILITY		N/A
	ME EQUIPMENT switched off as soon as THERMAL STABILITY established and allowed to cool to room temperature when current not interrupted		N/A
	Test duration was equal to RATED operating time for non-CONTINUOUS OPERATION		N/A
	c) Heating parts of ME EQUIPMENT tested with ME EQUIPMENT operated in NORMAL CONDITION at 110 % of RATED supply voltage and as in 11.1, and		N/A
	1) Controls limiting temperature in NORMAL CONDITION disabled, except THERMAL CUT-OUTS		N/A
	2) When more than one control provided, they were disabled in turn		N/A
	3) ME EQUIPMENT operated at RATED DUTY CYCLE until THERMAL STABILITY achieved, regardless of RATED operating time		N/A
13.2.13.3	ME EQUIPMENT with motors		N/A
	a 1) For the motor part of the ME EQUIPMENT, compliance checked by tests of 13.2.8- 13.2.10, 13.2.13.3 b), 13.2.13.3 c), and 13.2.13.4, as applicable	No motors used	N/A
	To determine compliance with 13.2.9 and 13.2.10 motors in circuits running at 42.4 V peak a.c./ 60 V d.c. or less are covered with a single layer of cheesecloth which did not ignite during the test	No motors used	N/A
	a 2) Tests on ME EQUIPMENT containing heating parts conducted at prescribed voltage with motor & heating parts operated simultaneously to produce the least favourable condition	No motors used	N/A
	a 3) Tests performed consecutively when more tests were applicable to the same ME EQUIPMENT	No motors used	N/A
	b) Motor met running overload protection test of this clause when:	No motors used	N/A
	1) it is intended to be remotely or automatically	No motors used	N/A

	controlled by a single control device with no redundant protection, or		
	2) it is likely to be subjected to CONTINUOUS OPERATION while unattended	No motors used	N/A
	Motor winding temperature determined during each steady period and maximum value did not exceed Table 27 (Insulation Class, Maximum temperature measured C).....:	No motors used	N/A
	Motor removed from ME EQUIPMENT and tested separately when load could not be changed in appropriate steps	No motors used	N/A
	Running overload test for motors operating at 42.4 V peak a.c./60 V d.c. or less performed only when examination and review of design indicated possibility of an overload	No motors used	N/A
	Test not conducted where electronic drive circuits maintained a substantially constant drive current	No motors used	N/A
	Test not conducted based on other justifications (justification) .....:	No motors used	N/A
	c) ME EQUIPMENT with 3-phase motors operated with normal load, connected to a 3-phase SUPPLY MAINS with one phase disconnected, and periods of operation per 13.2.10	Not connected to a multiphase AC input source	N/A
13.2.13.4	ME EQUIPMENT RATED for NON-CONTINUOUS OPERATION		N/A
	ME EQUIPMENT (other than HAND-HELD) operated under normal load and at RATED voltage or at upper limit of RATED voltage range until increase in temperature was 5 °C in one hour, or a protective device operated	Not non-continuous operation	N/A
	When a load-reducing device operated in NORMAL USE, test continued with ME EQUIPMENT running idle	Not non-continuous operation	N/A
	Motor winding temperatures did not exceed values in 13.2.10.....:	Not non-continuous operation	N/A
	Insulation Class .....:	Not non-continuous operation	-
	Maximum temperature measured (C) .....:	Not non-continuous operation	-

14	**PROGRAMMABLE ELECTRICAL MEDICAL SYSTEMS (PEMS)**		N/A
14.1	Requirements of this clause not applied to pess when it provided no basic safety or essential performance, or		N/A
	- when application of ISO 14971 showed that failure of pess does not lead to unacceptable risk :		N/A
	Every process has been followed throughout the pems development life-cycle and a record of process has been made available as confirmed by risk management file review and assessment of processes cited in this Clause		N/A

	Manufacturer considered the need for additional risk control measures when unable to follow all processes identified in Clause 14 for each constituent component of pems as confirmed by risk management file review and assessment of processes cited in this Clause		N/A
	Assessment of processes cited in this Clause made by internal audits		N/A
14.2	Documents produced from application of Clause 14 are maintained and form a part of risk management file in addition to records and documents required by ISO 14971 .....:		N/A
14.3	Risk management plan required by 3.5 of ISO 14971 includes reference to pems validation plan		N/A
14.4	A pems development life-cycle including a set of defined milestones has been documented		N/A
	At each milestone, activities to be completed, and verification methods to be applied to activities have been defined		N/A
	Each activity including its inputs and outputs defined, and each milestone identifies risk management activities that must be completed before that milestone		N/A
	Pems development life-cycle tailored for a specific development by making plans detailing activities, milestones, and schedules		N/A
	Pems development life-cycle includes documentation requirements		N/A
14.5	A documented system for problem resolution within and between all phases and activities of pems development life-cycle has been developed and maintained where appropriate		N/A
	Problem resolution system meets the prescribed criteria depending on type of product:		N/A
	– it is documented as a part of pems development life-cycle		N/A
	– it allows reporting of potential or existing problems affecting basic safety or essential performance		N/A
	– it includes an assessment of each problem for associated risks		N/A
	– it identifies criteria that must be met for the issue to be closed		N/A
	– it identifies the action to be taken to resolve each problem		N/A
14.6	Risk management process		N/A
14.6.1	Manufacturer considered hazards associated with software and hardware aspects of pems including network/data coupling, components of third-party		N/A

	origin, legacy subsystems when compiling list of known or foreseeable hazards		
	In addition to the material in ISO 14971, Annex D, list of possible sources for hazards associated with pems includes specified causes		N/A
	– failure of network/data coupling to provide characteristics necessary for pems to achieve its basic safety or essential performance		N/A
	– undesired feedback [physical and data] (such as unsolicited/ out of range/ inconsistent input or input from electromagnetic interference)		N/A
	– unavailable data		N/A
	– lack of integrity of data		N/A
	– incorrect data		N/A
	– incorrect timing of data		N/A
	– unintended interactions within & among pess		N/A
	– unknown aspects or quality of third-party software		N/A
	– unknown aspects or quality of third-party pess		N/A
	– lack of data security, particularly vulnerability to tampering, unintended interaction with other programs and viruses		N/A
14.6.2	Suitably validated tools and procedures assuring each risk control measure reduces identified risk(s) satisfactorily provided in addition to pems requirements in Clause 6.1 of ISO 14971.....:		N/A
14.7	A documented requirement specification for pems and each of its subsystems (e.g. for a pess) which includes essential performance and risk control measures implemented by that system or subsystem .....:		N/A
14.8	An architecture satisfying the requirement is specified for pems and each of subsystems.....:		N/A
	The architecture specification makes use of considers the specified items to reduce risk to an acceptable level, where appropriate:		N/A
	a) Components with high-integrity characteristics		N/A
	b) fail-safe functions		N/A
	c) redundancy		N/A
	d) diversity;		N/A
	e) partitioning of functionality		N/A
	f) defensive design potentially limiting hazardous effects by restricting available output power or by introducing means to limit travel of actuators		N/A
	g) allocation of risk control measures to subsystems and components of pems		N/A

	h) failure modes of components and their effects;		N/A
	i) common cause failures		N/A
	j) systematic failures		N/A
	k) test interval duration and diagnostic coverage		N/A
	l) maintainability		N/A
	m) protection from reasonably foreseeable misuse		N/A
	n) network/data coupling specification, when applicable		N/A
14.9	Design is broken up into subsystems, each with a design and test specification where appropriate, and descriptive data on design environment included in risk management file.....:		N/A
14.10	A verification plan containing the specified information used to verify and document functions implementing basic safety, essential performance, or risk control measures.....:		N/A
	– milestone(s) when verification is to be performed for each function		N/A
	– selection and documentation of verification strategies, activities, techniques, and appropriate level of independence of the personnel performing the verification		N/A
	– selection and utilization of verification tools		N/A
	– coverage criteria for verification		N/A
14.11	A pems validation plan containing validation of basic safety & essential performance and requiring checks for unintended functioning of pems to perform and document pems validation		N/A
	The person with overall responsibility for pems validation is independent of design team, and no member of a design team is responsible for pems validation of their own design		N/A
	All professional relationships of members of pems validation team with members of design team documented in risk management file providing methods & results of pems validation		N/A
14.12	Continued validity of previous design documentation assessed under a documented modification/change procedure		N/A
14.13	Technical description includes the following information when pems is to be connected to other equipment outside control of pems manufacturer by network/data coupling .....:		N/A
	a) characteristics of network/data coupling necessary for pems to achieve its intended use		N/A
	b) list of hazardous situations resulting from a failure of network/data coupling to provide the specified characteristics		N/A

	c) instructions to responsible organization containing required information and warnings		N/A
	– connection of pems to a network/data coupling that includes other equipment could result in previously unidentified risks and responsible organization shall identify, analyze, and control such risks		N/A
	– subsequent changes to network/data coupling introducing new risks and requiring new analysis; and changes to network/data coupling include:		N/A
	– network/data coupling configuration change		N/A
	– connection of additional items to network/data coupling		N/A
	– disconnecting items from network/data coupling		N/A
	– update of equipment connected to network/data coupling		N/A
	– upgrade of equipment connected to network/data coupling		N/A

15	**CONSTRUCTION OF ME EQUIPMENT**		Pass
15.1	RISKS associated with arrangement of controls and indicators of ME EQUIPMENT addressed in RISK MANAGEMENT PROCESS, as confirmed by examination of RISK MANAGEMENT FILE .....:	Arrangement of controls and indicators of this device only display the status of device and will not impact the basic safety	N/A
15.2	Parts of ME EQUIPMENT subject to mechanical wear, electrical, environmental degradation or ageing resulting in unacceptable RISK when unchecked for a long period, are accessible for inspection, replacement, and maintenance	No unacceptable risk after examining, see test table 15 for related test results	Pass
	Inspection, servicing, replacement, and adjustment of parts of ME EQUIPMENT can easily be done without damage to or interference with adjacent parts or wiring		N/A
15.3	Mechanical strength		Pass
15.3.1	Mold stress relief, push, impact, drop, and rough handling tests did not result in unacceptable RISK and ME EQUIPMENT displayed adequate mechanical strength	See appended Table 15.3	Pass
15.3.2	Push test conducted by subjecting external parts of ENCLOSURE to a steady force of 250 N ± 10 N for 5 s applied to a circular (30mm) plane surface, except bottom of ENCLOSURE of an ME EQUIPMENT >18 kg, using a suitable test tool ....:	See appended Table 15.3	Pass
	No damage resulting in an unacceptable RISK sustained as determined by examination of RISK MANAGEMENT FILE	See appended RM Results Table 15.3.2	Pass
15.3.3	Impact test conducted by subjecting a complete	See appended RM Results	Pass

	ENCLOSURE or its largest non-reinforced area, except for HAND-HELD ME EQUIPMENT and parts, to a free falling 500 g ± 25 g solid smooth steel ball, approx. 50 mm in diameter from a height of 1.3 m .....:	Table 15.3.3	
	Test not applied to flat panel displays, platen glass of ME EQUIPMENT, or cathode ray tubes	See appended RM Results Table 15.3.3	Pass
	No damage resulting in an unacceptable RISK sustained as shown in RISK MANAGEMENT FILE	See appended RM Results Table 15.3.3	Pass
15.3.4	Drop test		Pass
15.3.4.1	Sample of HAND-HELD ME EQUIPMENT and HAND-HELD part with SAFE WORKING LOAD allowed to fall freely once from each of 3 different positions as in NORMAL USE from height specified in ACCOMPANYING DOCUMENTS, or from 1 m onto a 50 mm ± 5 mm thick hardwood board lying flat on a concrete or rigid base.....:	No hand-held parts	N/A
	No unacceptable RISK resulted	No hand-held parts	N/A
15.3.4.2	Sample of PORTABLE ME EQUIPMENT and PORTABLE part with SAFE WORKING LOAD lifted to a height as in Table 29 above a 50 ± 5 mm thick hardwood board lying flat on a concrete floor or rigid base, dropped 3 times from each orientation in NORMAL USE (cm).....:	See appended Table 15.3	Pass
	No damage resulting in an unacceptable RISK sustained as determined by examination of sample and RISK MANAGEMENT FILE	See appended RM Results Table 15.3.4.2	Pass
15.3.5	Each sample of MOBILE ME EQUIPMENT and MOBILE part with SAFE WORKING LOAD and in most adverse condition in NORMAL USE passed Rough Handling tests.....:		N/A
	a) Ascending step shock test conducted on the sample by pushing it 3 times in its normal direction of travel at 0.4 m/s ± 0.1 m/s against an ascending hardwood step obstruction without the sample going over the obstruction		N/A
	b) Descending step shock test conducted on the sample by pushing it 3 times in its normal direction of travel at 0.4 m/s ± 0.1 m/s in order to fall over a vertical step affixed flat on a rigid base with direction of movement perpendicular to face of the step until full descent achieved		N/A
	c) Door frame shock test conducted on the sample by moving it 3 times in its normal direction of travel at 0.4 m/s ± 0.1 m/s, or for motor driven EQUIPMENT, at maximum possible speed against a hardwood vertical obstacle higher than EQUIPMENT contact point(s)		N/A
	No damage resulting in an unacceptable RISK sustained as determined by examination of sample and RISK MANAGEMENT FILE		N/A

15.3.6	Examination of ENCLOSURE made from molded or formed thermoplastic material indicated that material distortion due to release of internal stresses by molding or forming operations will not result in an unacceptable RISK		Pass
	Mold-stress relief test conducted by placing one sample of complete ME EQUIPMENT, ENCLOSURE or a portion of larger ENCLOSURE, for 7 hours in a circulating air oven at 10°C over the max temperature measured on ENCLOSURE in 11.1.3, but no less than 70 °C.....:	See Appended Table 15.3	Pass
	No damage resulting in an unacceptable RISK		Pass
15.3.7	INTENDED USE, EXPECTED SERVICE LIFE, and conditions for transport and storage were taken into consideration for selection and treatment of materials used in construction of ME EQUIPMENT	See RM report (R13003) for details	Pass
	Based on review of EQUIPMENT, ACCOMPANYING DOCUMENTS, specifications and processing of materials, and MANUFACTURER'S relevant tests or calculations, corrosion, ageing, mechanical wear, degradation of biological materials due to bacteria, plants, animals and the like, will not result in an unacceptable RISK		N/A
15.4	ME EQUIPMENT components and general assembly		Pass
15.4.1	Incorrect connection of accessible connectors, removable without a TOOL, prevented where an unacceptable RISK exists, in particular.....:	.	N/A
	a) Plugs for connection of PATIENT leads cannot be connected to other outlets on same ME EQUIPMENT intended for other functions, except when RISK MANAGEMENT FILE provides proof that no unacceptable RISK could result.....:	No applied parts	N/A
	b) Medical gas connections on ME EQUIPMENT for different gases to be operated in NORMAL USE are not interchangeable as verified by review of RISK MANAGEMENT FILE .....:	No gas connections	N/A
15.4.2	Temperature and overload control devices		N/A
15.4.2.1	a) THERMAL CUT-OUTS and OVER-CURRENT RELEASES with automatic resetting not used in ME EQUIPMENT when their use could result in a HAZARDOUS SITUATION by resetting action as verified by review of RISK MANAGEMENT FILE .:		N/A
	b) THERMAL CUT-OUTS with a safety function to be reset by a soldering operation affecting operating value not fitted in ME EQUIPMENT as verified by examination of design and RISK MANAGEMENT FILE.....:		N/A
	c) An independent non-SELF-RESETTING THERMAL CUT-OUT is, additionally, provided where a failure of a THERMOSTAT could constitute a HAZARD as verified by examination of		N/A

	design and RISK MANAGEMENT FILE.....:		
	d) Based on design and RISK MANAGEMENT FILE review, loss of function of ME EQUIPMENT due to operation of THERMAL CUT-OUT or OVER CURRENT RELEASE doesn't result in a HAZARDOUS SITUATION		N/A
	e) Capacitors or other spark-suppression devices not connected between contacts of THERMAL CUT-OUTS		N/A
	f) Use of THERMAL CUT-OUTS or OVER-CURRENT RELEASES do not affect safety of ME EQUIPMENT as verified by following tests:		N/A
	Positive temperature coefficient devices (PTC's) complied with IEC 60730-1: 1999, clauses 15, 17, J.15, and J.17 as applicable		N/A
	ME EQUIPMENT containing THERMAL CUT-OUTS and OVER-CURRENT RELEASES operated under the conditions of Clause 13 .....:		N/A
	SELF-RESETTING THERMAL CUT-OUTS and OVER-CURRENT RELEASES including circuits performing equivalent functions (other than PTC's) Certified according to appropriate standards		N/A
	In the absence of Certification in accordance with IEC standards, SELF-RESETTING THERMAL CUT-OUTS and OVER-CURRENT RELEASES including circuits performing equivalent functions (other than PTC's) operated 200 times		N/A
	Manual reset THERMAL CUT-OUTS and OVER-CURRENT RELEASES Certified in accordance with appropriate IEC standards		N/A
	When certification based on IEC standards, or data from MANUFACTURER demonstrating reliability of component to perform its safety-related function is not available, manual reset THERMAL CUT-OUTS and OVER-CURRENT RELEASES operated 10 times		N/A
	Thermal protective devices tested separately from ME EQUIPMENT when engineering judgment indicated test results would not be impacted		N/A
	g) Protective device, provided on ME EQUIPMENT incorporating a fluid filled container with heating means, operated when heater switched on with container empty and prevented an unacceptable RISK due to overheating		N/A
	h) ME EQUIPMENT with tubular heating elements provided with protection against overheating in both leads where a conductive connection to earth could result in overheating as verified by review of design and RISK MANAGEMENT FILE.....:		N/A
15.4.2.2	Temperature settings clearly indicated when means provided to vary setting of THERMOSTATS		N/A

15.4.3	Batteries		N/A
15.4.3.1	Battery housings from which gases can escape during charging or discharging likely to result in a HAZARD ventilated to minimize RISK of accumulation and ignition as verified by review of design and RISK MANAGEMENT FILE.....:		N/A
	Battery compartments prevent accidental short circuiting of battery when this could result in a HAZARDOUS SITUATION as verified by examination of design and RISK MANAGEMENT FILE		N/A
15.4.3.2	Means provided to prevent incorrect connection of polarity when a HAZARDOUS SITUATION may develop by incorrect connection or replacement of a battery .....:		N/A
15.4.3.3	Overcharging of battery prevented by virtue of design when it could result in an unacceptable RISK as verified by review of design .....:		N/A
15.4.3.4	Lithium batteries that could become a HAZARD complied with appropriate tests of IEC 60086-4		N/A
	Tests of IEC 60086-4 waived on the lithium battery based on examination of design		N/A
15.4.3.5	A properly RATED protective device provided within INTERNAL ELECTRICAL POWER SOURCE to protect against fire caused by excessive currents when (in case of a short circuit) layout of internal wiring, cross-sectional area, rating of connected components can result in a fire .....:		N/A
	Protective device has adequate breaking capacity to interrupt the maximum fault current		N/A
	Justification for OVER-CURRENT RELEASES or FUSE exclusion is included in RISK MANAGEMENT FILE		N/A
15.4.4	Indicator lights provided to indicate ME EQUIPMENT is ready for NORMAL USE, except when apparent to OPERATOR from normal operating position, and marking of 7.4.1 are insufficient for this purpose .....:		N/A
	An additional indicator light provided on ME EQUIPMENT with a stand-by state or a warm-up state exceeding 15 s, except when apparent to OPERATOR from normal operating position	No stand-by or warm-up state	N/A
	Indicator lights provided on ME EQUIPMENT incorporating non-luminous heaters to indicate heaters are operational when a HAZARDOUS SITUATION could exist, except when apparent to OPERATOR from normal operating position		N/A
	Requirement not applied to heated stylus-pens for recording purposes		N/A
	Indicator lights provided on ME EQUIPMENT to		N/A

	indicate an output exists where an accidental or prolonged operation of output circuit could constitute a HAZARDOUS SITUATION		
	Colours of indicator lights complied with 7.8.1		N/A
	Charging mode visibly indicated in ME EQUIPMENT incorporating a means for charging an INTERNAL ELECTRICAL POWER SOURCE		N/A
15.4.5	RISKS associated with pre-set controls addressed in RISK MANAGEMENT PROCESS when applicable as verified by review of RISK MANAGEMENT FILE .....:	No pre-set controls function	N/A
15.4.6	Actuating parts of controls of ME EQUIPMENT		N/A
15.4.6.1	a) Actuating parts cannot be pulled off or loosened up during NORMAL USE	No Actuating parts	N/A
	b) Indication of scales (e.g., "on" "off" positions, etc.) always corresponds to position of controls with adjustment that can result in a HAZARDOUS SITUATION for PATIENT or OPERATOR while ME EQUIPMENT is in use		N/A
	c) Incorrect connection of indicating device to relevant component prevented by adequate construction when it could be separated without use of a TOOL		N/A
	When torque values per Table 30 applied between control knob and shaft of rotating controls for not less than 2 s, 10 times in each direction, knobs did not rotate .....:		N/A
	Tests conducted by applying an axial force of 60 N for electrical components and 100 N for other components for 1 min when an axial pull was required in NORMAL USE with no unacceptable RISK .....:		N/A
15.4.6.2	Stops of adequate mechanical strength provided on rotating/ movable parts of controls of ME EQUIPMENT where necessary to prevent an unexpected change from max to min, or vice-versa, of the controlled parameter when this could cause a HAZARDOUS SITUATION .....:		N/A
	Torque values in Table 30 applied 10 times in each direction to rotating controls for 2 sec .....:		N/A
	Application of an axial force of 60 N for electrical components and 100 N for other components to rotating or movable parts of controls for 1 min when an axial pull was required in NORMAL USE .....:		N/A
15.4.7	Cord-connected HAND-HELD and foot-operated control devices		N/A
15.4.7.1	a) HAND-HELD control devices of ME EQUIPMENT complied with 15.3.4.1	Not Cord-connected hand-held and foot-operated control devices	N/A
	b) Foot-operated control device supported an actuating force of 1350 N for 1 min applied over an		N/A

	area of 30 mm diameter in its position of NORMAL USE with no damage to device causing an unacceptable RISK.....:		
15.4.7.2	Control device of HAND-HELD and foot-operated control devices turned in all possible abnormal positions and placed on a flat surface .....:		N/A
	No unacceptable RISK caused by changing control setting when accidentally placed in an abnormal position		N/A
15.4.7.3	a) Foot-operated control device is at least IPX1 & complies with tests of IEC 60529 (IP Code) .....:		N/A
	b) ENCLOSURE of foot operated control devices containing electrical circuits is at least IPX6 and complies with IEC 60529 if in NORMAL USE liquids are likely to be found (IP Code) .....:		N/A
	Probability of occurrence estimated as part of RISK MANAGEMENT PROCESS		N/A
15.4.8	Aluminum wires less than 16 mm2 in cross-sectional area are not used	No Aluminum wires	N/A
15.4.9	a) Oil container in PORTABLE ME EQUIPMENT allows for expansion of oil and is adequately sealed to prevent loss of oil in any position	No such construction.	N/A
	b) Oil containers in MOBILE ME EQUIPMENT sealed to prevent loss of oil during transport	Not mobile equipment	N/A
	A pressure-release device operating during NORMAL USE is, optionally, provided	Not mobile equipment	N/A
	c) Partially sealed oil-filled ME EQUIPMENT and its parts provided with means for checking the oil level to detect leakage		N/A
	ME EQUIPMENT and technical description examined, and manual tests conducted to confirm compliance with above requirements		N/A
15.5	MAINS SUPPLY TRANSFORMERS OF ME EQUIPMENT and transformers providing separation in accordance with 8.5		N/A
15.5.1	Overheating		N/A
15.5.1.1	Transformers of ME EQUIPMENT are protected against overheating in the event of short circuit or overload of output windings and comply with this Clause and tests of 15.5.1.2 - 3 .....:	Evaluated in part of power supply	N/A
	During tests, windings did not open, no HAZARDOUS SITUATION occurred, and maximum temperatures of windings did not exceed values in Table 31		N/A
	Dielectric strength test of 8.8.3 conducted on transformer after short circuit and overload tests ..:	Evaluated in part of power supply	N/A
15.5.1.2	Transformer output winding short circuited, and test continued until protective device operated or THERMAL STABILITY achieved .....:	Evaluated in part of power supply	N/A
	Short circuit applied directly across output windings		N/A

	for transformers not tested according to 5X frequency and 5X voltage test of 15.5.2		
15.5.1.3	Multiple overload tests conducted on windings with more than one protective device to evaluate worst-case NORMAL USE loading and protection .....:	Evaluated in part of power supply	N/A
15.5.2	Transformer windings provided with adequate insulation to prevent internal short-circuits that could cause overheating which could result in a HAZARDOUS SITUATION		N/A
	Dielectric strength tests were conducted in accordance with requirements of this clause with no breakdown of insulation system and no detectable deterioration of transformer .....:		N/A
15.5.3	Transformers forming MEANS OF PROTECTION as required by 8.5 comply with IEC 61558-1:1997, Clause 5.12 .....:		N/A
16	ME SYSTEMS		N/A
16.1	After installation or subsequent modification, ME SYSTEM didn't result in an unacceptable RISK		N/A
	Only HAZARDS arising from combining various equipment to form a ME SYSTEM considered		N/A
	– ME SYSTEM provides the level of safety within the PATIENT ENVIRONMENT equivalent to ME EQUIPMENT complying with this standard		N/A
	– ME SYSTEM provides the level of safety outside PATIENT ENVIRONMENT equivalent to equipment complying with their respective IEC or ISO safety standards		N/A
	– tests performed in NORMAL CONDITION, except as specified		N/A
	– tests performed under operating conditions specified by MANUFACTURER of ME SYSTEM		N/A
	Safety tests previously conducted on individual equipment of ME SYSTEM according to relevant standards not repeated		N/A
	RISK MANAGEMENT methods, optionally, used by MANUFACTURER of an ME SYSTEM reconfigurable by RESPONSIBLE ORGANIZATION or OPERATOR to determine configurations with highest RISKS and measures to ensure any configuration of ME SYSTEM will not present unacceptable RISKS		N/A
	Non-ME EQUIPMENT used in ME SYSTEM complied with applicable IEC or ISO safety standards		N/A
	Equipment relying only on BASIC INSULATION for		N/A

	protection against electric shock not used in ME SYSTEM		
16.2	ACCOMPANYING DOCUMENTS of an ME SYSTEM		N/A
	Documents containing all data necessary for ME SYSTEM to be used as intended by MANUFACTURER including a contact address accompany ME SYSTEM or modified ME SYSTEM		N/A
	ACCOMPANYING DOCUMENTS regarded as a part of ME SYSTEM		N/A
	ACCOMPANYING DOCUMENTS are, optionally, provided in electronic format (e.g. electronic file format or CD ROM) and ME SYSTEM is capable of displaying or printing these documents		N/A
	a) ACCOMPANYING DOCUMENTS provided for each item of ME EQUIPMENT supplied by MANUFACTURER		N/A
	b) ACCOMPANYING DOCUMENTS provided for each item of non-ME EQUIPMENT supplied by MANUFACTURER		N/A
	c) the required information is provided:		N/A
	– specifications, instructions for use as intended by MANUFACTURER, and a list of all items forming the ME SYSTEM		N/A
	– instructions for installation, assembly, and modification of ME SYSTEM to ensure continued compliance with this standard		N/A
	– instructions for cleaning and, when applicable, disinfecting and sterilizing each item of equipment or equipment part forming part of the ME SYSTEM		N/A
	– additional safety measures to be applied during installation of ME SYSTEM		N/A
	– identification of parts of ME SYSTEM suitable for use within the PATIENT ENVIRONMENT		N/A
	– additional measures to be applied during preventive maintenance		N/A
	– a warning forbidding placement of MULTIPLE SOCKET-OUTLET, when provided and it is a separate item, on the floor		N/A
	– a warning indicating an additional MULTIPLE SOCKET-OUTLET or extension cord not to be connected to ME SYSTEM		N/A
	– a warning to connect only items that have been		N/A

	specified as part of ME SYSTEM or specified as being compatible with ME SYSTEM		
	– maximum permissible load for any MULTIPLE SOCKET-OUTLET(S) used with ME SYSTEM		N/A
	– instructions indicating MULTIPLE SOCKET-OUTLETS provided with the ME SYSTEM to be used only for supplying power to equipment intended to form part of ME SYSTEM		N/A
	– an explanation indicating RISKS of connecting non-ME EQUIPMENT supplied as a part of ME SYSTEM directly to wall outlet when non-ME EQUIPMENT is intended to be supplied via a MULTIPLE SOCKET-OUTLET with a separating transformer		N/A
	– an explanation indicating RISKS of connecting any equipment supplied as a part of ME SYSTEM to MULTIPLE SOCKET-OUTLET		N/A
	– permissible environmental conditions of use for ME SYSTEM including conditions for transport and storage		N/A
	– instructions to OPERATOR not to, simultaneously, touch parts referred to in 16.4 and PATIENT		N/A
	d) the following instructions provided for use by RESPONSIBLE ORGANIZATION:		N/A
	– adjustment, cleaning, sterilization, and disinfection PROCEDURES		N/A
	– assembly of ME SYSTEMS and modifications during actual service life shall be evaluated based on the requirements of this standard		N/A
16.3	Instructions for use of ME EQUIPMENT intended to receive its power from other equipment in an ME SYSTEM, describe the other equipment to ensure compliance with these requirements		N/A
16.4	Parts of non-ME EQUIPMENT in PATIENT ENVIRONMENT subject to contact by OPERATOR during maintenance, calibration, after removal of covers, connectors, etc., without use of a TOOL operated at a voltage ≤ voltage in 8.4.2 c) supplied from a source separated from SUPPLY MAINS by two MEANS OF OPERATOR PROTECTION		N/A
16.5	Safety measures incorporating a SEPARATION DEVICE applied when FUNCTIONAL CONNECTION between ME EQUIPMENT and other items of an ME SYSTEM or other systems can cause allowable values of LEAKAGE CURRENT to exceed		N/A

	SEPARATION DEVICE has dielectric strength, CREEPAGE and CLEARANCES required for one MEANS OF OPERATOR PROTECTION appropriate for highest voltage occurring across SEPARATION DEVICE during a fault condition		N/A
	WORKING VOLTAGE was highest voltage across SEPARATION DEVICE during a fault condition, but not less than MAXIMUM MAINS VOLTAGE (V).....:		N/A
16.6	LEAKAGE CURRENTS		N/A
16.6.1	TOUCH CURRENT in NORMAL CONDITION, from or between parts of ME SYSTEM within the PATIENT ENVIRONMENT, did not exceed 100 µA.....:		N/A
	TOUCH CURRENT did not exceed 500 µA in event of interruption of any non-PERMANENTLY INSTALLED PROTECTIVE EARTH CONDUCTOR, from or between parts of ME SYSTEM within PATIENT ENVIRONMENT ..:		N/A
16.6.2	Current in PROTECTIVE EARTH CONDUCTOR of MULTIPLE SOCKET-OUTLET did not exceed 5 mA .....:		N/A
16.6.3	PATIENT LEAKAGE CURRENT and total PATIENT LEAKAGE CURRENT of ME SYSTEM in NORMAL CONDITION did not exceed values specified for ME EQUIPMENT in Tables 3 and 4 .....:		N/A
	Measurements made using a device as in clause 8.7.4.4		N/A
16.7	ME SYSTEM complied with applicable requirements of Clause 9 when a MECHANICAL HAZARD existed ..:		N/A
16.8	Interruption and restoration of relevant power connections of ME SYSTEM one at a time and all connections simultaneously did not result in a HAZARDOUS SITUATION other than interruption of its intended function		N/A
16.9	ME SYSTEM connections and wiring		N/A
16.9.1	Incorrect connection of accessible connectors, removable without a TOOL, prevented where a HAZARDOUS SITUATION could otherwise exist.....:		N/A
	– Connectors complied with Clause 15.4.1		N/A
	– Plugs for connection of PATIENT leads could not be connected to other outlets of the same ME SYSTEM likely to be located in PATIENT ENVIRONMENT, except when examination of connectors and interchanging them proved no HAZARDOUS SITUATION could result		N/A
16.9.2	MAINS PARTS, components and layout		N/A

16.9.2.1	a) – MULTIPLE SOCKET-OUTLET only allows connection using a TOOL, or		N/A
	– MULTIPLE SOCKET-OUTLET is of a type that cannot accept MAINS PLUGS of any of the kinds specified in IEC/TR 60083, or		N/A
	– MULTIPLE SOCKET-OUTLET is supplied via a separating transformer		N/A
	b) – MULTIPLE SOCKET-OUTLET marked with safety sign 2 of Table D.2 (i.e., safety sign ISO 7010-W001) visible in NORMAL USE, and		N/A
	– marked either individually or in combinations, with the maximum allowed continuous output in amperes or volt-amperes, or		N/A
	– marked to indicate the equipment or equipment parts it may safely be attached to		N/A
	– MULTIPLE SOCKET-OUTLET is a separate item or an integral part of ME EQUIPMENT or non-ME EQUIPMENT		N/A
	c) MULTIPLE SOCKET-OUTLET complied with IEC 60884-1 and the following requirements:		N/A
	– CREEPAGE and CLEARANCES complied with 8.9		N/A
	– It is CLASS I, and PROTECTIVE EARTH CONDUCTOR is connected to earthing contacts in socket-outlets		N/A
	– PROTECTIVE EARTH TERMINALS and PROTECTIVE EARTH CONNECTIONS comply with 8.6, except total impedance for ME SYSTEM was up to 400 mΩ, or higher when conditions of 8.6.4 b) met (mΩ).....:		N/A
	– ENCLOSURE complied with 8.4.2 d)		N/A
	– MAINS TERMINAL DEVICES and wiring complied with 8.11.4, when applicable		N/A
	– RATINGS of components are not in conflict with conditions of use .....:		N/A
	– Electrical terminals and connectors of MULTIPLE SOCKET-OUTLETS prevent incorrect connection of accessible connectors removable without a TOOL		N/A
	– POWER SUPPLY CORD complied with 8.11.3		N/A
	d) Additional requirements applied when MULTIPLE SOCKET-OUTLET combined with a separating transformer:		N/A
	– Separating transformer complied with IEC 61558-2-1, except requirements of maximum RATED output		N/A

	power of 1 kVA and degree of protection IPX4 were not applied.....:		
	– Separating transformer is CLASS I		N/A
	– Degree of protection against ingress of water specified as in IEC 60529		N/A
	– Separating transformer assembly marked according to 7.2 and 7.3		N/A
	– MULTIPLE SOCKET-OUTLET permanently connected to separating transformer, or socket-outlet of separating transformer assembly cannot accept MAINS PLUGS as identified in IEC/TR 60083		N/A
16.9.2.2	Removal of any single item of equipment in ME SYSTEM will not interrupt the protective earthing of any other part without simultaneous disconnection of electrical supply to that part		N/A
	Additional PROTECTIVE EARTH CONDUCTORS can be detachable only by use of a TOOL		N/A
16.9.2.3	Conductors connecting different items within an ME SYSTEM protected against mechanical damage		N/A
17	ELECTROMAGNETIC COMPATIBILITY OF ME EQUIPMENT AND ME SYSTEMS		N/A
	RISKS associated with items addressed in RISK MANAGEMENT PROCESS as confirmed by review.....:		N/A
	– electromagnetic phenomena at locations where ME EQUIPMENT or ME SYSTEM is to be used as stated in ACCOMPANYING DOCUMENTS .....:		N/A
	– introduction of electromagnetic phenomena into environment by ME EQUIPMENT or ME SYSTEM that might degrade performance of other devices, electrical equipment, and systems		N/A
ANNEX G	PROTECTION AGAINST HAZARDS OF IGNITION OF FLAMMABLE ANESTHETIC MIXTURES		N/A
G.2	Locations and basic requirements		N/A
G.2.1	Parts of CATEGORY APG ME EQUIPMENT in which a FLAMMABLE ANESTHETIC MIXTURE WITH AIR occurs are CATEGORY AP or APG ME EQUIPMENT and complied with G.3, G.4, and G.5	Recognized component, the environment of end application is unclear, to be evaluated in end product.	N/A
G.2.2	FLAMMABLE AESTHETIC MIXTURE WITH AIR occurring due to a leakage or discharge of a FLAMMABLE AESTHETIC MIXTURE WITH OXYGEN or NITROUS OXIDE from an ENCLOSURE considered 5 to 25 cm from point of occurrence		N/A

G.2.3	A FLAMMABLE AESTHETIC MIXTURE WITH OXYGEN or NITROUS OXIDE contained in a completely / partly enclosed ME EQUIPMENT part and in PATIENT'S respiratory tract 5 cm from an ENCLOSURE part where leakage or discharge occurs		N/A
G.2.4	ME EQUIPMENT or parts thereof specified for use with FLAMMABLE AESTHETIC MIXTURE WITH AIR (in a location as in G.2.2) are CATEGORY AP or APG ME EQUIPMENT and complied with G.4 and G.5		N/A
G.2.5	ME EQUIPMENT or parts thereof for use with FLAMMABLE AESTHETIC MIXTURE WITH OXYGEN OR NITROUS OXIDE (location per G.2.2) are CATEGORY APG ME EQUIPMENT and comply with G.4 and G.6		N/A
	ME EQUIPMENT in G.2.3 to G.2.5 met appropriate tests of G.3-G.5 conducted after tests of 11.6.6 and 11.6.7		N/A
G.3	Marking, ACCOMPANYING DOCUMENTS		N/A
G.3.1	CATEGORY APG ME EQUIPMENT prominently marked. with a green-coloured band ≥ 2 cm wide with letters "APG" according to symbol 23 in Table D.1 .....:		N/A
	Length of green-coloured band is ≥ 4 cm, and size of marking is as large as possible for particular case		N/A
	When above marking not possible, relevant information included in instructions for use.....:		N/A
	Marking complied with tests and criteria of 7.1.2 and 7.1.3		N/A
G.3.2	CATEGORY AP ME EQUIPMENT prominently marked, with a green-coloured circle ≥ 2 cm in diameter, with characters "AP" according to symbol 22 in Table D.1.....:		N/A
	Marking is as large as possible for the particular case		N/A
	When above marking not possible, the relevant information included in instructions for use.....:		N/A
	Marking complied with tests and criteria of 7.1.2 and 7.1.3		N/A
G.3.3	The marking according to G.3.2 and G.3.3 placed on major part of ME EQUIPMENT for CATEGORY AP or APG parts, and not repeated on detachable parts that can only be used with the marked EQUIPMENT		N/A
G.3.4	ACCOMPANYING DOCUMENTS contain an indication enabling the RESPONSIBLE ORGANIZATION to		N/A

	distinguish between CATEGORY AP and APG parts		
G.3.5	Marking clearly indicates which parts are CATEGORY AP or APG when only certain ME EQUIPMENT parts are CATEGORY AP or APG		N/A
G.4	Common requirements for CATEGORY AP and CATEGORY APG ME EQUIPMENT		N/A
G.4.1	a) CREEPAGE and CLEARANCES between points of POWER SUPPLY CORD connection are according to Table 12 for one MEANS OF PATIENT PROTECTION		N/A
	b) Connections, except those in circuits described in G.5.3 and G.6.3, protected against accidental disconnection in NORMAL USE or connection and disconnection can be performed only with a TOOL		N/A
	c) CATEGORY AP and APG not provided with a DETACHABLE POWER SUPPLY CORD, except when circuit complied with G.5.3 and G.6.3		N/A
G.4.2	Construction details		N/A
	a) Opening of an ENCLOSURE providing protection against penetration of gases or vapours into ME EQUIPMENT or its parts possible only with a TOOL		N/A
	b) ENCLOSURE complies with requirements to minimize arcing and sparking due to penetration of foreign objects.....:		N/A
	– no openings on top covers of ENCLOSURE, except for openings for controls covered by control knobs		N/A
	– openings in side-covers prevented penetration of a solid cylindrical test rod of 4 mm in diameter applied in all possible directions without appreciable force		N/A
	– openings in base plates prevented penetration of a solid cylindrical test rod of 12 mm in diameter applied in all directions without appreciable force		N/A
	c) Short circuiting conductor(s) to a conductive part without presence of explosive gasses where insulation may contact a part containing a FLAMMABLE AESTHETIC MIXTURE WITH OXYGEN or NITROUS OXIDE, ignitable gases alone, or oxygen, did not result in loss of integrity of the part, an unacceptable temperature, or other HAZARD		N/A
G.4.3	a) Electrostatic charges prevented on CATEGORY AP and APG ME EQUIPMENT by a combination of appropriate measures		N/A
	– Use of antistatic materials with a limited electrical resistance as specified in G.4.3 b).....:		N/A

	– Provision of electrically conductive paths from ME EQUIPMENT or its parts to a conductive floor, protective earth or potential equalization system, or via wheels to an antistatic floor of medical room		N/A
	b) Electrical resistance limits of aesthetic tubing, mattresses and pads, castor tires, and other antistatic material complied with ISO 2882 based on measurements according to ISO 1853, ISO 2878 and ISO 23529 .....:		N/A
G.4.4	Corona cannot be produced by components or parts of ME EQUIPMENT operating at more than 2000 V a.c. or 2400 V d.c. and not included in ENCLOSURES complying with G.5.4 or G.5.5		N/A
G.5	Requirements and tests for CATEGORY AP ME EQUIPMENT, parts and components		N/A
G.5.1	ME EQUIPMENT, its parts or components do not ignite FLAMMABLE AESTHETIC MIXTURES WITH AIR under NORMAL USE and CONDITIONS based on compliance with G.5.2 to G.5.5 (inclusive)		N/A
	Alternatively, ME EQUIPMENT, its parts, and components complied with requirements of IEC 60079-0 for pressurized ENCLOSURES (IEC 60079-2); for sand-filled ENCLOSURES, IEC 60079-5; or for oil immersed equipment, IEC 60079-6; and with this standard excluding G.5.2 to G.5.5.....:		N/A
G.5.2	ME EQUIPMENT, its parts, and components in contact with gas mixtures in NORMAL USE and CONDITIONS not producing sparks and not resulting in surface temperatures above 150 °C in case of restricted or 200 °C in case of unrestricted vertical air circulation measured at 25 °C comply with G.5.1 .....:		N/A
G.5.3	ME EQUIPMENT, its parts, and components producing sparks in NORMAL USE and CONDITION complied with temperature requirements of G.5.2, and U_{max} and I_{max} occurring in their circuits, and complied as follows:		N/A
	Measured $U_{max} \leq U_{zR}$ with I_{zR} as in Fig. G.1.....:		N/A
	Measured $U_{max} \leq U_c$ with C_{max} as in Fig. G.2 .....:		N/A
	Measured $I_{max} \leq I_{zR}$ with U_{zR} as in Fig G.1 .....:		N/A
	Measured $I_{max} \leq I_{zL}$ with L_{max} and a $U_{max} \leq 24$ V as in Fig G.3.....:		N/A
	– Combinations of currents and corresponding voltages within the limitations IzR.UzR ≤ 50 W extrapolated from Fig G.1		N/A

	No extrapolation made for voltages above 42 V		N/A
	– Combinations of capacitances and corresponding voltages within limitations of $C/2U^2 \leq 1.2$ mJ extrapolated from Fig G.2		N/A
	No extrapolation made for voltages above 242V		N/A
	U_{max}, additionally, determined using actual resistance R when the equivalent resistance R was less than 8000 Ω		N/A
	– Combinations of currents and corresponding inductances within limitations $L/2I^2 \leq 0.3$ mJ extrapolated from Fig G.3		N/A
	No extrapolation made for inductances larger than 900 mH		N/A
	– U_{max} was the highest supply voltage occurring in circuit under investigation with sparking contact open, taking into consideration MAINS VOLTAGE variations in 4.10		N/A
	– I_{max} was the highest current flowing in circuit under investigation with sparking contact closed, taking into consideration MAINS VOLTAGE variations required in 4.10		N/A
	– C_{max} and L_{max} taken as values occurring at the component under investigation producing sparks		N/A
	– Peak value considered when a.c. supplied		N/A
	– An equivalent circuit calculated to determine equivalent max capacitance, inductance, and equivalent U_{max} and I_{max}, either as d.c. or a.c. peak values in case of a complicated circuit.....:		N/A
	Temperature measurements made according to 11.1, and U_{max}, I_{max}, R, L_{max} , and C_{max} determined with application of Figs G.1-G.3 .....:		N/A
	Alternatively, compliance was verified by examination of design data .....:		N/A
G.5.4	External ventilation with internal overpressure		N/A
	ME EQUIPMENT, its parts, and components enclosed in an ENCLOSURE with external ventilation by means of internal overpressure complied with the following requirements:		N/A
	a) FLAMMABLE AESTHETIC MIXTURES WITH AIR that might have penetrated into ENCLOSURE of ME EQUIPMENT or part removed by ventilation before EQUIPMENT energized, and penetration of such		N/A

	mixtures during operation was prevented by maintenance of overpressure by means of air without flammable gases, or by physiologically acceptable inert gas (e.g., nitrogen)		
	b) Overpressure inside ENCLOSURE was 75 Pa, min., in NORMAL CONDITION (Pa).....:		N/A
	Overpressure maintained at the site of potential ignition even when air or inert gas could escape through openings in ENCLOSURE necessary for normal operation of ME EQUIPMENT or its parts		N/A
	ME EQUIPMENT could be energized only after the required minimum overpressure was present long enough to ventilate the ENCLOSURE so that the displaced volume of air or inert gas was at least five times the volume of ENCLOSURE		N/A
	ME EQUIPMENT energized at will or repeatedly when overpressure was continuously present		N/A
	c) Ignition sources de-energized automatically by means used where G.4 does not apply, or complied with G.5 when during operation overpressure dropped below 50 Pa (Pa) .....:		N/A
	d) External surface of ENCLOSURE in which internal overpressure was maintained did not exceed 150 °C in 25 °C ambient under NORMAL USE and CONDITION (°C).....:		N/A
G.5.5	ENCLOSURES with restricted breathing		N/A
	ME EQUIPMENT, its parts, and components enclosed in an ENCLOSURE with restricted breathing complied with the following:		N/A
	a) A FLAMMABLE AESTHETIC MIXTURE WITH AIR did not form inside ENCLOSURE with restricted breathing when it was surrounded by a FLAMMABLE AESTHETIC MIXTURE WITH AIR of a high concentration for at least 30 min without any pressure difference inside ENCLOSURE		N/A
	b) Gasket or sealing material used to maintain tightness complied with aging test B-b of IEC 60068-2-2, Clause 15, at 70 °C ± 2 °C and 96 h ..:		N/A
	c) Gas-tightness of ENCLOSURE containing inlets for flexible cords maintained when the cords were stressed by bending or pulling		N/A
	Cords are fitted with adequate anchorages to limit stresses		N/A
	After the test in G.5.4 b), an internal overpressure		N/A

	of 400 Pa was created and 30 pulls of the value in Table G.1 applied to each flexible cord in axial direction of cord inlet and in the least favourable direction for 1 s		
	Overpressure not reduced below 200 Pa		N/A
	Tests waived when examination of ENCLOSURE indicated it is completely sealed or gas-tight without a doubt (100 % degree of certainty)		N/A
	Operating temperature of external surface of ENCLOSURE was ≤ 150 °C in 25 °C (°C).....:		N/A
	Steady state operating temperature of ENCLOSURE also measured (°C) .....:		N/A
G.6	CATEGORY APG ME EQUIPMENT, parts and components thereof		N/A
G.6.1	ME EQUIPMENT, its parts, and components did not ignite FLAMMABLE AESTHETIC MIXTURE WITH OXYGEN OR NITROUS OXIDE under NORMAL USE and SINGLE FAULT CONDITION		N/A
	ME EQUIPMENT, its parts, and components not complying with G.6.3 subjected to a CONTINUOUS OPERATION test after attaining thermal steady state (max. 3 h) over a period of 10 min in a 12.2 % ± 0.4 ether by volume/oxygen mixture		N/A
G.6.2	Parts and components of CATEGORY APG ME EQUIPMENT operating in a FLAMMABLE AESTHETIC MIXTURE WITH OXYGEN OR NITROUS OXIDE supplied from a source isolated from earth by insulation equal to one MEANS OF PATIENT PROTECTION and from electrical parts by insulation twice the MEANS OF PATIENT PROTECTION.....:		N/A
G.6.3	Test of G.6.1 waived when the following requirements were met in NORMAL USE and under NORMAL and SINGLE FAULT CONDITIONS.....:		N/A
	a) no sparks produced and temperatures did not exceed 90 °C, or		N/A
	b) a temperature limit of 90 °C not exceeded, sparks produced in NORMAL USE, and SINGLE FAULT CONDITIONS, except U_{max} and I_{max} occurring in their circuits complied with requirements, taking C_{max} and L_{max} into consideration:		N/A
	Measured $U_{max} \leq U_{zR}$ with I_{zR} as in Fig. G.4 .....:		N/A
	Measured $U_{max} \leq U_{zC}$ with C_{max} as in Fig. G.5 .....:		N/A
	Measured $I_{max} \leq I_{zR}$ with U_{zR} as in Fig G.4 .....:		N/A

	Measured $I_{max} \leq I_{zL}$ with L_{max} and a $U_{max} \leq 24$ V as in Fig G.6 .....:		N/A
	– Extrapolation from Figs G.4, G.5, and G.6 was limited to areas indicated		N/A
	– U_{max} was the highest no-load voltage occurring in the circuit under investigation, taking into consideration mains voltage variations as in 4.10		N/A
	– I_{max} was the highest current flowing in the circuit under investigation, taking into account MAINS VOLTAGE variations as in 4.10		N/A
	– C_{max} and L_{max} are values occurring in relevant circuit		N/A
	– U_{max} additionally determined with actual resistance R when equivalent resistance R in Fig G.5 was less than 8000 Ω		N/A
	– Peak value taken into consideration when a.c. supplied		N/A
	– An equivalent circuit calculated to determine max capacitance, inductance, and U_{max} and I_{max}, either as d.c. or a.c. peak values in case of a complicated circuit .....:		N/A
	– When energy produced in an inductance or capacitance in a circuit is limited by voltage or current-limiting devices, two independent components applied, to obtain the required limitation even when a first fault (short or open circuit) in one of these components		N/A
	Above requirement not applied to transformers complying with this standard		N/A
	Above requirement not applied to wire-wound current-limiting resistors provided with a protection against unwinding of the wire in case of rupture		N/A
	Compliance verified by examination of CATEGORY APG ME EQUIPMENT, parts, and components , or		N/A
	Temperature measurements made in accordance with 11.1, or		N/A
	U_{max}, I_{max}, R, L_{max} and C_{max} determined together with application of Figs G.4-G.6 .....:		N/A
	Alternatively, compliance verified by comparison with design data .....:		N/A
G.6.4	ME EQUIPMENT, its parts, and components heating a FLAMMABLE AESTHETIC MIXTURE WITH OXYGEN OR		N/A

	NITROUS OXIDE provided with a non-SELF-RESETTING THERMAL CUT-OUT and complied with 15.4.2.1.....:		
	Current-carrying part of heating element is not in direct contact with FLAMMABLE AESTHETIC MIXTURE WITH OXYGEN OR NITROUS OXIDE		N/A
G.7	Test apparatus for flammable mixtures		N/A
	Test apparatus used was in accordance with this Clause and Fig G.7		N/A
ANNEX L	INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION		Pass
L.1	BASIC, SUPPLEMENTARY, DOUBLE, and REINFORCED INSULATION in wound components without interleaved insulation complied with this Annex covering round winding wires between 0.05 mm and 5.00 mm diameters	Evaluated in part of power supply	Pass
L.2	Wire construction		Pass
	Overlap of layers when wire is insulated with two or more spirally wrapped layers of tape is adequate to ensure continued overlap during manufacture of wound component	Evaluated in part of power supply	Pass
	Layers of spirally wrapped wire insulation are sufficiently secured to maintain the overlap	Evaluated in part of power supply	Pass
L.3	Type Test		N/A
	The wire subjected to tests of L.3.1 to L.3.4 at a temperature and a relative humidity specified		N/A
	Temperature (°C) .....:		—
	Humidity (%).....:		—
L.3.1	Dielectric strength		N/A
	Dielectric strength test of Clause 8.8.3 for the appropriate type and number of MOP(s) conducted by preparing the sample according to IEC 60851-5:1996, Clause 4.4.1 for a twisted pair with test voltages at least twice Tables 6 & 7, but not less than below with no breakdown:		N/A
	– 3000 V for BASIC and SUPPLEMENTARY INSULATION (V).....:		N/A
	– 6000 V for REINFORCED INSULATION (V).....:		N/A
L.3.2	Flexibility and adherence		N/A
	Sample subjected to flexibility and adherence test 8		N/A

	of IEC 60851-3:1996, clause 5.1.1, using mandrel diameters of Table L.1		
	Sample examined according to IEC 60851-3: 1997, clause 5.1.1.4, followed by dielectric test of clause 8.8.3, except test voltage applied between wire and mandrel with no breakdown		N/A
	Test voltage was at least the voltage in Tables 6 and 7but not less than the following:		N/A
	– 1500 V for BASIC and SUPPLEMENTARY INSULATION (V).....:		N/A
	– 3000 V for REINFORCED INSULATION (V).....:		N/A
	Tension applied to wire during winding on mandrel calculated from the wire diameter equivalent to 118 MPa ± 11.8 MPa .....:		N/A
L.3.3	**Heat Shock**		N/A
	Sample subjected to heat shock test 9 of IEC 60851-6:1996, followed by dielectric strength test of clause 8.8.3, except test voltage applied between the wire and mandrel		N/A
	Test voltage was at least the voltage in Tables 6 and 7, but not less than the following:		N/A
	– 1500 V for BASIC and SUPPLEMENTARY INSULATION (V).....:		N/A
	– 3000 V for REINFORCED INSULATION (V).....:		N/A
	Oven temperature based on Table L.2 (°C).....:		—
	Mandrel diameter and tension applied as in clause L.3.2, (MPa; N/mm^2).....:		N/A
	Dielectric strength test conducted at room temperature after removal from the oven		N/A
L.3.4	Retention of electric strength after bending		N/A
	Five samples prepared as in L.3.2 subjected to dielectric strength and bending tests		N/A
	Test voltage was at least the voltage in Tables 6 and 7, but not less than the following:		N/A
	– 1500 V for BASIC and SUPPLEMENTARY INSULATION (V).....:		N/A
	– 3000 V for REINFORCED INSULATION (V).....:		N/A
	Test voltage applied between the shot and		N/A

	conductor.		
	Mandrel diameter and tension applied as in L.3.2, (MPa; N/mm^2).....:		N/A
L.4	Tests during manufacture		N/A
L.4.1	Production line dielectric strength tests conducted by the manufacture according to L.4.2 and L.4.3. :		N/A
L.4.2	Test voltage for routine testing (100 % testing) is at least the voltage in Tables 6 and 7 but not less than the following:		N/A
	– 1500 V r.m.s. or 2100 V peak for BASIC and SUPPLEMENTARY INSULATION (V) .....:		N/A
	– 3000 V r.m.s. or 4200 V peak for REINFORCED INSULATION (V) .....:		N/A
L.4.3	Sampling tests conducted using twisted pair samples (IEC 60851-5:1996, clause 4.4.1)		N/A
	Minimum breakdown test voltage at least twice the voltage in Tables 6 and 7 but not less than:		N/A
	– 3000 V r.m.s. or 4200 V peak for BASIC and SUPPLEMENTARY INSULATION		N/A
	– 6000 V r.m.s. or 8400 V peak for REINFORCED INSULATION		N/A

4.2	**RM TABLE: Risk Management Process for ME Equipment or ME Systems**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
3.3a	◆ VENUS-191_RMF_2014_02_24, Section - Definition of risk-graph ◆ VENUS-191_RMF_2014_02_24, Section -Additional documents	The Risk Management Procedure define the policy for determining acceptable risk, taking into account relevant International Standards, and national or regional regulations	Pass
3.5e	◆ VENUS-191_RMF_2014_02_24, Section -Criteria for release of risk analysis ◆ VENUS-191_RMF_2014_02_24, Section -Criteria for release of risk analysis	The Risk Management Plan defined the criteria for risk acceptability.	Pass
4.1	◆ VENUS-191_RMF_2014_02_24, Section -Criteria for release of risk analysis	Risk analysis procedure	Pass
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	Intended use and identification of characteristics are well defined	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures)	The estimates of the risk(s) were recorded in the risk management file	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures) ◆ VENUS-191_RMF_2014_02_24, Section - Risk-graph (before measures)	The results of this risk evaluation were recorded in the risk management file	Pass
6.1	◆ VENUS-191_RMF_2014_02_24, Section -Decision about measures	The manufacturer follow the process specified in 6.2 to 6.7 of ISO 14971 to control the risk(s) so that the residual risk(s) associated with each hazard is judged acceptable	Pass
6.2	◆ VENUS-191_RMF_2014_02_24, Section -Risk control	The risk control measures selected were recorded in the risk management file	Pass
6.3	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures	The effectiveness of the risk control measures had been verified and the results of the verification were recorded in the risk management file.	Pass

6.4	◆ VENUS-191_RMF_2014_02_24, Section -New evaluation after measures. ◆ VENUS-191_RMF_2014_02_24, Section -Risk-graph (after measures) ◆ VENUS-191_RMF_2014_02_24, Section -Summary of risk control	All residual risk that remains after the risk control measure(s) are applied and evaluated using the criteria that defined in the risk management plan.	Pass
6.5	N/A	No reduction of risk through Risk/benefit analysis	N/A
6.6	◆ VENUS-191_RMF_2014_02_24, Section -New evaluation after measures. ◆ VENUS-191_RMF_2014_02_24, Section -Residual risk evaluation.	The risk control measures have been reviewed to identify if other hazards are introduced.	Pass
6.7	◆ VENUS-191_RMF_2014_02_24, Section -Summary of risk control	The manufacturer assures that the risk(s) from all identified hazards have been evaluated.	Pass
7	◆ VENUS-191_RMF_2014_02_24, Section -Residual risk evaluation	After all risk control measures have been implemented and verified, the manufacturer decide the overall residual risk posed by the monitor is acceptable using the criteria defined in the risk management plan.	Pass

4.3	**TABLE: Essential Performance**		N/A
List of Essential Performance functions	Manufacturer's document number reference or reference from this standard or collateral or particular standard(s)	Remarks	
Supplementary Information: Essential Performance is performance, the absence or degradation of which, would result in an unacceptable risk.			

4.3	**RM TABLE: Essential Performance**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

4.5	**RM TABLE: Equivalent Safety for ME Equipment of ME System**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

4.6	**RM TABLE: ME Equipment or system parts contacting the patient**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

4.7	**RM TABLE: Single Fault Condition for ME Equipment**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RMF mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures), F-01 (H-01, H-02); F-02 (H-01, H-02); F-03 (H-01); F-04 (H-01); F-05 (H-01); F-06 (H-01), F-07 (H-01, H-02, H-03); F-08 (H-01); F-09 (H-01); F-10 (H-01)	The estimates of the risk(s) were recorded in the risk management file.	Pass

4.8	**RM TABLE: Components of ME Equipment**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RM mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures), F-01, H-01, C-07, C-08	The estimates of the risk(s) were recorded in the risk management file.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures), F-01, H-01, C-07, C-08	The results of this risk evaluation were recorded in the risk management file.	Pass
6.2	◆ VENUS-191_RMF_2014_02_24, Section -Risk control, RC-002, RC-030, RC-032	The risk control measures selected were recorded in the risk management file	Pass
6.3	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures, RC-002, RC-030, R-032	The effectiveness of the risk control measures had been verified and the results of the verification were recorded in the risk management file.	Pass
6.4	◆ VENUS-191_RMF_2014_02_24, Section -New evaluation after measures, F-01, H-01, C-07, C-08 ◆ VENUS-191_RMF_2014_02_24, Section -Residual risk evaluation	All residual risk that remains after the risk control measure(s) are applied and evaluated using the criteria that defined in the risk management plan.	Pass
6.5	N/A	No reduction of risk through Risk/benefit analysis	Pass

4.9	**RM TABLE: Use of components with high-integrity characteristics**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

4.11	**TABLE: Power Input**				Pass
Operating Conditions / Ratings	Voltage (V)	Frequency (Hz)	Current (A)	Power (W or VA)	Power factor (cos φ)
Test on Model VENUS-191					
For Power Adapter (HITRON ELECTRONICS CORP, Type HEMP152G-S240060-7)	--	--	--	--	--
Max. normal loaded / --	90Vac	50	0.77	69.1	--
Max. normal loaded / --	90Vac	60	0.77	69.1	--
Max. normal loaded / 1.9 A	100Vac	50	0.69	69.0	--
Max. normal loaded / 1.9 A	100Vac	60	0.70	69.0	--
Max. normal loaded / 0.8 A	240Vac	50	0.33	70.1	--
Max. normal loaded / 0.8 A	240Vac	60	0.34	70.2	--
Max. normal loaded / --	264Vac	50	0.39	72.3	--
Max. normal loaded / --	264Vac	60	0.38	72.4	--
--	--	--	--	--	--
Max. normal loaded	24Vdc	--	2.53	60.72	--
Supplementary information:					
Max. normal loaded as below: The unit continuously crossed reading. each USB port loaded 2.5W dummy load, contrast of display adjust to full brightness.					

5.1	**RM TABLE: Type Tests**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RMF mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures)	The estimates of the risk(s) were recorded in the risk management file.	Pass

5.4 a)	**RM TABLE: Other Conditions**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RMF mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures)	The estimates of the risk(s) were recorded in the risk management file	Pass

5.7	**RM TABLE: Humidity preconditioning treatment**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RMF mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis, F-01, H-01, C-09	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures), F-01, H-01, C-09	The estimates of the risk(s) were recorded in the risk management file.	Pass
5	◆ ONYX-122/221DT series_RMF_2013_11_29, Section -Evaluation of risk (before measures): F-01, H-01, C-09	The results of this risk evaluation were recorded in the risk management file.	Pass
6.2	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures, RC-023	The risk control measures selected were recorded in the risk management file.	Pass
6.3	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures, RC-023	The effectiveness of the risk control measures had been verified and the results of the verification were recorded in the risk management file.	Pass
6.4	◆ VENUS-191_RMF_2014_02_24, Section -New evaluation after measures, F-01, H-01, C-09 ◆ VENUS-191_RMF_2014_02_24, Section -Residual risk evaluation ◆ VENUS-191_RMF_2014_02_24, Section -Summary of risk control	All residual risk that remains after the risk control measure(s) are applied and evaluated using the criteria that defined in the risk management plan	Pass
6.5	◆ N/A	No reduction of risk through Risk/benefit analysis	Pass

5.9.2	**TABLE: Determination of ACCESSIBLE parts**		Pass
Location	Determination method (NOTE1)	Comments	
Unit outer enclosure	rigid test finger, jointed test finger; test hook.	Pass	
Supplementary information: NOTE 1 - The determination methods are: visual; rigid test finger; jointed test finger; test hook.			

5.9.2.3	**RM TABLE: Actuating mechanisms**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

7.1.2	**TABLE: Legibility of Marking**		Pass
Markings tested	Ambient illuminance (lx)	Remarks	
Label	100	Viewpoint angle 30 degree	
Label	1500	Viewpoint angle 30 degree	
Supplementary information: Observer, with a visual acuity of 0 on the log Minimum Angle of Resolution (log MAR) scale or 6/6 (20/20), reads marking at ambient illuminance least favourable level in the range of 100 lx to 1,500 lx. The ME EQUIPMENT or its part was positioned so that the viewpoint was the intended position of the OPERATOR at any point within the base of a cone subtended by an angle of 30° to the axis normal to the centre of the plane of the marking and at a distance of 1 m.			
--			

7.1.3	**TABLE: Durability of marking test**		Pass
Characteristics of the Marking Label tested:		Remarks	
Material of Marking Label :	--	--	
Ink/other printing material or process :	--	--	
Material (composition) of Warning Label :	--	--	
Ink/other printing material or process :	--	--	
Other:	--	--	
Marking Label Certification:	Label	T-w = 15s ,T-m = 15s, T-i = 15s	
Supplementary information: Marking rubbed by hand, first for 15 s with a cloth rag soaked with distilled water, then for 15 s with a cloth rag soaked with methylated spirit, and then for 15 s with a cloth rag soaked with isopropyl alcohol.			
T-w = Time with distilled water T-m =Time with methylated spirit T-i = Time with isopropyl alcohol The markings did not work did not curl at the edges. The markings were clearly readable.			

7.2.2	**RM TABLE: Identification**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RMF mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24 Section -Risk analysis: F-07, H-01, H-02, H-03	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-07, H-01, H-02, H-03	The estimates of the risk(s) were recorded in the risk management file.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-07, H-01, H-02, H-03	The results of this risk evaluation were recorded in the risk management file.	Pass
6.4	◆ VENUS-191_RMF_2014_02_24, Section -New evaluation after measures: F-07, H-01, H-02, H-03 ◆ VENUS-191_RMF_2014_02_24, Section -Residual risk evaluation ◆ VENUS-191_RMF_2014_02_24, Section -Summary of risk control	All residual risk that remains after the risk control measure(s) are applied and evaluated using the criteria that defined in the risk management plan.	Pass

7.2.5	**RM TABLE: ME EQUIPMENT powered from other equipment**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

7.2.13	**RM TABLE: Physiological effects (safety signs and warning)**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

7.2.17	**RM TABLE: Protective packaging**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RMF mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-01, H-01, C-20	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-01, C-20	The estimates of the risk(s) were recorded in the risk management file.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-01, C-20	The results of this risk evaluation were recorded in the risk management file.	Pass
6.3	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-028	The effectiveness of the risk control measures had been verified and the results of the verification were recorded in the risk management file.	Pass
6.4	◆ VENUS-191_RMF_2014_02_24, Section -New evaluation after measures: F-01, H-01, C-20 ◆ VENUS-191_RMF_2014_02_24, Section -Residual risk evaluation	All residual risk that remains after the risk control measure(s) are applied and evaluated using the criteria that defined in the risk management plan.	Pass

7.3.3	**RM TABLE: Batteries**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

7.3.7	**RM TABLE: Supply Terminals**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-07, H-01, H-02, H-03	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass

7.4.2	**RM TABLE: Control devices**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-07, H-01, H-02, H-03	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass

7.5	**RM TABLE: Safety signs**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

7.9.1	**RM TABLE: General accompanying documents (See Table C.4)**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RMF mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-07, H-01, H-02, H-03	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-07, H-01, H-02, H-03	The estimates of the risk(s) were recorded in the risk management file.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-07, H-01, H-02, H-03	The results of this risk evaluation were recorded in the risk management file.	Pass
6.2	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: F-07, H-01, H-02, H-03	The results of this risk evaluation were recorded in the risk management file.	Pass
6.3	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-010	The results of this risk evaluation were recorded in the risk management file.	Pass

7.9.2.4	**RM TABLE: Electrical power source**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

7.9.3.2	**RM TABLE: Replacement of fuses, power supply cords, other parts**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

8.1 b(1)	**RM TABLE: Fundamental rule of protection against electric shock - interruption of any one power-carrying conductor**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-01	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-01	The estimates of the risk(s) were recorded in the risk management file.	Pass

8.1 b(2)	**RM TABLE: Fundamental rule of protection against electric shock - unintended movement of a component**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

8.1 b(3)	**RM TABLE: Fundamental rule of protection against electric shock - accidental detachment of conductors and connectors**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-01	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass

8.2.2	**RM TABLE: Connection to an external d.c. power sources**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RMF mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-08, H-01	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-08, H-01	The estimates of the risk(s) were recorded in the risk management file.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-08, H-01 ◆ VENUS-191_RMF_2014_02_24, Section - Risk-graph (before measures)	The results of this risk evaluation were recorded in the risk management file.	Pass

8.3 d	**RM TABLE: Requirements of Type BF or CF Applied Parts**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

8.4.2	**TABLE: Working Voltage / Power Measurement**					N/A
Test supply voltage/frequency (V/Hz) (1) :						
-	Measured values					-
Location From/To	Vrms	Vpk or Vdc	Peak-to-peak ripple (2)	Power W/VA	Energy (J)	Remarks
Supplementary Information: 1. The input supply voltage to the ME EQUIPMENT shall be the RATED voltage or the voltage within the RATED voltage range which results in the highest measured value. See clause 8.5.4. 2. If the d.c. peak-to-peak ripple > 10%, waveform considered as a.c. See clause 8.4.2.2						

8.4.2 c	**RM TABLE: Accessible parts including applied parts**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ ONYX-122/121DT series_2013_11_29, Section - Version Data	The RMF mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-04, H-01	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-04, H-01	The estimates of the risk(s) were recorded in the risk management file.	Pass

8.4.3	**TABLE: ME Equipment for connection to a power source by a plug - measurement of voltage or calculation of stored charge 1 s after disconnection of plug from mains supply**									N/A
Maximum allowable voltage (V) :								60		
Voltage measured (V)										
Voltage Measured Between:	1	2	3	4	5	6	7	8	9	10
Maximum allowable stored charge when measured voltage exceeded 60 v (µc):								45		
Calculated stored charge (µc)										
Voltage Measured Between:	1	2	3	4	5	6	7	8	9	10
Supplementary information:										

8.4.4	**TABLE: Internal capacitive circuits - measurement of residual voltage or calculation of the stored charge in capacitive circuits (i.e., accessible capacitors or circuit parts) after de-energizing ME EQUIPMENT**		N/A
Maximum allowable residual voltage (V):			60 V
Maximum allowable stored charge when residual voltage exceeded 60 V:			45 µC
Description of the capacitive circuit (i.e., accessible capacitor or circuit parts)	Measured residual voltage (V)	Calculated stored charge (µC)	Remarks
Supplementary information:			

8.5.2.2	**RM TABLE: Type B applied parts**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

8.5.2.3	**RM TABLE: PATIENT Leads**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

8.5.5.1a	**TABLE: Defibrillation-proof applied parts - measurement of hazardous electrical energies**				N/A
Test Condition: Figs. 9 and 10	Measurement made on accessible part	Applied part with test voltage	Test voltage polarity	Measured voltage between Y1 and Y2 (mV)	Remarks
Supplementary information:					

8.5.5.1b	**TABLE: Defibrillation-proof applied parts - verification of recovery time**			N/A
Applied part with test voltage	Test voltage polarity	Recovery time from documents (s)	Measured recovery time (s)	Remarks
Supplementary information:				

8.5.5.2	**TABLE: Defibrillation-Proof Applied Parts or Patient Connections of Defibrillation-Proof Applied Parts - Energy reduction test -measurement of Energy delivered to a 100 ohm load**			N/A
Test Voltage applied to	Measured Energy E1 (mJ)	Measured Energy E2 (mJ)	Energy E1 as % of E2 (%)	
Supplementary information: For compliance: E1 must at least 90% of E2 E1= Measured energy delivered to 100 ohm with ME Equipment connected; E2= Measured energy delivered to 100 ohm without ME equipment connected.				

8.6.3	**RM TABLE: Protective earthing of moving parts**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

8.6.4	**TABLE: Impedance and current-carrying capability of PROTECTIVE EARTH CONNECTIONS**			N/A
Type of ME EQUIPMENT and impedance measured between parts	Test current (A) /Duration (s)	Voltage drop measured between parts (V)	Maximum calculated impedance (m ohm)	Maximum allowable impedance (m ohm)
Supplementary information:				

8.7	**TABLE: Leakage current**			Pass
Type of leakage current and test condition (including single faults)	Supply voltage (V)	Supply frequency (Hz)	Measured max. value (µA)	Remarks
Fig. 13 - Earth Leakage (ER) Test on Model VENUS-191	-	-	-	Maximum allowed values: 5 mA NC; 10 mA SFC
ER, NC, S1 = 1, S5 = N	264	60	228.7 / 228.6	Maximum allowed values: 5 mA
ER, NC, S1 = 1, S5 = R	264	60	226.3 / 226.2	Maximum allowed values: 5 mA
ER, SFC (Neutral Open), S1 = 0, S5 = N	264	60	394.5 / 394.2	Maximum allowed values: 10 mA
ER, SFC (Neutral Open), S1 = 0, S5 = R	264	60	401.4 / 402.5	Maximum allowed values: 10 mA
(with non frequency-weighted device)	-	-	-	--
ER, SFC (Neutral Open), S1 = 0, S5 = N	264	60	395.2 / 395.1	Maximum allowed values: 10 mA
ER, SFC (Neutral Open), S1 = 0, S5 = R	264	60	402.1 / 402.3	Maximum allowed values: 10 mA
Fig. 14 - Touch Current (TC)	-	-	-	Maximum allowed values: 100 µA NC; 500 µA SFC
MD between Earth and Power Adapter Plastice Enclosure surface (covered with metal foil)	--	--	--	--
TC, NC, S1 = 1, S5 = N, S7 = 1	264	60	5.6 / 5.4	Maximum allowed values: 100 µA
TC, NC, S1 = 1, S5 = R, S7 = 1	264	60	5.4 / 5.5	Maximum allowed values: 100 µA
TC, SFC (Neutral Open), S1 = 0, S5 = N, S7 = 1	264	60	8.1 / 8.0	Maximum allowed values: 500 µA
TC, SFC (Neutral Open), S1 = 0, S5 = R, S7 = 1	264	60	8.1 / 8.2	Maximum allowed values: 500 µA
TC, SFC (Ground Open), S1 = 1, S5 = N, S7 = 0	264	60	8.3 / 8.2	Maximum allowed values: 500 µA
TC, SFC (Ground Open), S1 = 1, S5 = R, S7 = 0	264	60	7.7 / 7.8	Maximum allowed values: 500 µA
MD between Earth and LCD Plastice Enclosure surface (covered with metal foil)	--	--	--	--
TC, NC, S1 = 1, S5 = N, S7 = 1	264	60	1.1 / 1.2	Maximum allowed values: 100 µA
TC, NC, S1 = 1, S5 = R, S7 = 1	264	60	0.9 / 0.8	Maximum allowed values: 100 µA
TC, SFC (Neutral Open), S1 = 0, S5 = N,	264	60	1.3 / 1.2	Maximum allowed values:

S7 = 1				500 µA
TC, SFC (Neutral Open), S1 = 0, S5 = R, S7 = 1	264	60	1.4 / 1.5	Maximum allowed values: 500 µA
TC, SFC (Ground Open), S1 = 1, S5 = N, S7 = 0	264	60	3.4 / 3.2	Maximum allowed values: 500 µA
TC, SFC (Ground Open), S1 = 1, S5 = R, S7 = 0	264	60	3.3 / 3.2	Maximum allowed values: 500 µA
MD between Earth and LCD SIP/SOP	--	--	--	--
TC, NC, S1 = 1, S5 = N, S7 = 1	264	60	1.3 / 1.2	Maximum allowed values: 100 µA
TC, NC, S1 = 1, S5 = R, S7 = 1	264	60	1.2 / 1.3	Maximum allowed values: 100 µA
TC, SFC (Neutral Open), S1 = 0, S5 = N, S7 = 1	264	60	1.8 / 1.9	Maximum allowed values: 500 µA
TC, SFC (Neutral Open), S1 = 0, S5 = R, S7 = 1	264	60	1.9 / 1.9	Maximum allowed values: 500 µA
TC, SFC (Ground Open), S1 = 1, S5 = N, S7 = 0	264	60	10.2 / 10.3	Maximum allowed values: 500 µA
TC, SFC (Ground Open), S1 = 1, S5 = R, S7 = 0	264	60	10.1 / 10.2	Maximum allowed values: 500 µA
MD between LCD Plastic Enclosure (covered with metal foil) and LCD SIP/SOP	--	--	--	--
TC, NC, S1 = 1, S5 = N, S7 = 1	264	60	2.4 / 2.5	Maximum allowed values: 100 µA
TC, NC, S1 = 1, S5 = R, S7 = 1	264	60	2.9 / 2.4	Maximum allowed values: 100 µA
TC, SFC (Neutral Open), S1 = 0, S5 = N, S7 = 1	264	60	1.6 / 1.5	Maximum allowed values: 500 µA
TC, SFC (Neutral Open), S1 = 0, S5 = R, S7 = 1	264	60	2.1 / 2.0	Maximum allowed values: 500 µA
TC, SFC (Ground Open), S1 = 1, S5 = N, S7 = 0	264	60	1.5 / 1.4	Maximum allowed values: 500 µA
TC, SFC (Ground Open), S1 = 1, S5 = R, S7 = 0	264	60	1.6 / 1.5	Maximum allowed values: 500 µA
Fig. 15 - Patient Leakage Current (P)	-	-	-	Maximum allowed values: Type B or BF AP: 10 µA NC; 50 µA SFC (d.c. current); 100 µA NC; 500 µA SFC (a.c.) Type CF AP: 10 µA NC; 50 µA SFC (d.c. or a.c. current)
--	--	--	--	--
Fig. 16 - Patient leakage current with mains on the F-type applied parts (PM)	-	-	-	Maximum allowed values: Type B: N/A Type BF AP:

				5000 µA Type CF AP: 50 µA
--	--	--	--	--
Fig. 17 - Patient leakage current with external voltage on Signal Input/Output part (SIP/SOP)	-	-	-	Maximum allowed values: Type B or BF AP: 10 µA NC; 50 µA SFC(d.c. current); 100 µA NC; 500 µA SFC (a.c.) ; Type CF AP: 10 µA NC; 50 µA SFC (d.c. or a.c. current)
--	--	--	--	--
Fig. 18 - Patient leakage current with external voltage on metal Accessible Part that is not Protectively Earthed	-	-	-	Maximum allowed values: Type B or BF AP: 500 µA Type CF: N/A
--	--	--	--	--
Fig. 19 - Patient Auxiliary Current	-	-	-	Maximum allowed values: Type B or BF AP: 10 µA NC; 50 µA SFC (d.c. current); 100 µA NC; 500 µA SFC (a.c.) ; Type CF AP: 10 µA NC;50 µA SFC (d.c. or a.c. current)
--	--	--	--	--
Fig. 15 and 20 - Total Patient Leakage Current with all AP of same type connected together	-	-	-	Maximum allowed values: Type B or BF AP: 50 µA NC; 100µA SFC (d.c. current); 500 µA NC; 1000 µA SFC (a.c.); Type CF AP: 50 µA NC; 100 µA SFC (d.c. or a.c. current)
--	--	--	--	--
Fig. 17 and 20 - Total Patient Leakage Current with all AP of same type connected together with external voltage on SIP/SOP	-	-	-	Maximum allowed values: Type B or BF AP: 50 µA NC; 100µA SFC (d.c. current); 500 µA NC;1000 µA SFC (a.c.); Type CF AP: 50 µA NC; 100 µA SFC (d.c. or a.c. current)
--	--	--	--	--
Fig. 16 and 20 - Total Patient Leakage Current with all AP of same type connected together with external voltage on F-type AP	-	-	-	Maximum allowed values: Type B: NA Type BF: 5000µA Type CF: 100 µA
--	--	--	--	--
Fig. 18 and 20 - Total Patient Leakage Current with all AP of same type connected together with external voltage on metal Accessible Part not Protectively Earthed	-	-	-	Maximum allowed values: Type B & BF: 1000 µA Type CF: N/A
--	--	--	--	--
Supplementary information: Note 1: For EARTH LEAKAGE CURRENT see 8.7.3 d) and 8.7.4.5;				

Note 2: For TOUCH CURRENT see 8.7.3 c) and 8.7.4.6;

Note 3: For PATIENT LEAKAGE CURRENT SEE 8.7.3.b) and 8.7.4.7

Note 4: Total PATIENT LEAKAGE CURRENT values are only relative to equipment with multiple APPLIED PARTS of the same type. See 8.7.4.7 h). The individual APPLIED PARTS complied with the PATIENT LEAKAGE CURRENT values.

Note 5: In addition to conditions indicated in the Table, tests conducted at operating temperature and after humidity preconditioning of 5.7, EQUIPMENT energized in stand-by condition and fully operating, max rated supply frequency, at 110 % of the max RATED MAINS VOLTAGE, and after relevant tests of Clause 11.6 (i.e., overflow, spillage, leakage, ingress of water and particulate matter, cleaning and disinfection, and sterilization).

--

ER - Earth leakage current	A - After humidity conditioning
TC - Touch current	B - Before humidity conditioning
P - Patient leakage current	1 - Switch closed or set to normal polarity
PA - Patient auxiliary current	0 - Switch open or set to reversed polarity
TP - Total Patient current	NC - Normal condition
PM - Patient leakage current with mains on the applied parts	SFC - Single fault condition
MD - Measuring device	

8.8.3	**TABLE: Dielectric strength test of solid insulating materials with safety function - MEANS OF OPERATOR PROTECTION (MOOP) / MEANS OF PATIENT PROTECTION (MOPP)**				Pass
Insulation under test (area from insulation diagram)	Insulation Type (1 or 2 MOOP/MOPP)	PEAK WORKING VOLTAGE (U) V peak	PEAK WORKING VOLTAGE (U) V d.c.	A.C. test voltages in V r.m.s1	Dielectric breakdown after 1 minute Yes/No2
DI/RI (Primary to Plastic enclosure with foil)	2 MOPP	340 Vpk	--	5656Vdc	No
DI/RI (Primary to SIP/SOP)	2 MOPP	340 Vpk	--	5656Vdc	No
BI (Primary to earth)	1 MOPP	340 Vpk	--	2121Vdc	No

Supplementary information:

1 Alternatively, per the Table (i.e., __dc), a d.c. test voltage equal to the peak value of the a.c. test voltage used.

2 A) Immediately after humidity treatment of 5.7, ME EQUIPMENT de-energized, B) after required sterilization PROCEDURE, ME EQUIPMENT de-energized, C) after reaching steady state operating temperature as during heating test of 11.1.1, and D) after relevant tests of 11.6 (i.e., overflow, spillage, leakage, ingress of water, cleaning, disinfection, and sterilization).

8.8.4.1	**TABLE: Resistance to heat - Ball pressure test of thermoplastic parts**		Pass
	Allowed impression diameter (mm) :	=<2 mm	-
	Force (N) :	20	-

Part/material	Test temperature (°C)	Impression diameter (mm)
Plastic Enclosure	75	0.8

Supplementary information:
The results were less 2 mm. Cracks were visible to the naked eye.

8.8.4.1	**RM TABLE: Mechanical strength and resistance to heat**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RMF mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-01, H-01, C-17	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-01, C-17	The estimates of the risk(s) were recorded in the risk management file RMF.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-01, C-17 ◆ VENUS-191_RMF_2014_02_24, Section - Risk-graph (before measures)	The results of this risk evaluation were recorded in the risk management file.	Pass
6.2	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-004, RC-019	The risk control measures selected were recorded in the risk management file.	Pass
6.3	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-004, RC-019	The effectiveness of the risk control measures had be verified and the results of the verification were recorded in the risk management file.	Pass
6.4	◆ VENUS-191_RMF_2014_02_24, Section -New evaluation after measures: F-01, H-01, C-17 ◆ VENUS-191_RMF_2014_02_24, Section -Risk-graph (after measures) ◆ VENUS-191_RMF_2014_02_24, Section -Summary of risk control	All residual risk that remains after the risk control measure(s) are applied and evaluated using the criteria that defined in the risk management plan	Pass
6.5	◆ N/A	No reduction of risk through Risk/benefit analysis	N/A

8.9.2	**TABLE: Short circuiting of each single one of the CREEPAGE DISTANCES and AIR CLEARANCES for insulation in the MAINS PART between parts of opposite polarity in lieu of complying with the required measurements in 8.9.4**		N/A
Specific areas of circuits short-circuited and test conditions	Test in lieu of CREEPAGE DISTANCE or AIR CLEARANCE1	HAZARDOUS SITUATION observed (i.e., fire hazard, shock hazard, explosion, discharge of parts, etc.) Yes/No	Remarks
Supplementary information: Note 1: AC - AIR CLEARANCE CD - CREEPAGE DISTANCE			

8.9.3.2	**TABLE: Thermal cycling tests on one sample of insulating compound forming solid insulation between conductive parts**		N/A
Test Sequence No.	Each test duration and temperature	Dielectric test voltage (V = Test voltage in 8.8.3 times 1.6)	Dielectric strength test after humidity preconditioning per Cl. 5.7 except for 48 h only, Breakdown: Yes/No
Supplementary information: 1 T1 = 10 °C above the maximum temperature of relevant part determined per 11.1.1, or 85 °C, the higher of the two. 10 °C not added to T1 when temperature measured by an embedded thermocouple. Used gradual transition from one temperature to another.			

8.9.3.4	**TABLE: Thermal cycling tests on one sample of cemented joint (see 8.9.3.3)**		N/A
Test Sequence No.	Each test duration and temperature	Dielectric test voltage (V = Test voltage in 8.8.3 times 1.6)	Dielectric strength test after humidity preconditioning per Cl. 5.7 except for 48 h only, Breakdown: Yes/No
Supplementary information: 1 T1 = 10 °C above the maximum temperature of relevant part determined per 11.1.1, or 85 °C, the higher of the two. 10 °C not added to T1 when temperature measured by an embedded thermocouple. Used gradual transition from one temperature to another.			

8.10	**TABLE: list of critical components**				Pass
object/part or Description	manufacturer/ trademark	type/model	technical data	standard (Edition/ year)	mark(s) of conformity[1])
01. Power Adapter	HITRON ELECTRONICS CORP	HEMP152G-S240060-7	Input: 100-240Vac, 50-60Hz, 1.9-0.8A;	ANSI/AAMI ES 60601-1: 2005, IEC60601-	UL, cUL, CB issued by TUV RH, TUV

8.10	**TABLE: list of critical components**				Pass
object/part or Description	manufacturer/ trademark	type/model	technical data	standard (Edition/ year)	mark(s) of conformity[1])
			Output: DC 24V, 6.25A	1:2005 EN60601-1:2006	
02. Interconnecting Cable (optional)	Various	Various	Rated minimum 30 V, 60 degree C, maximum 3.05 m long, jacketed,	UL 758, UL444	UL, --
03. Secondary Internal Wiring, (Low Voltage)	Various	Various	Rated 60 degree C minimum, minimum 30 V. FEP, PTFE, PVC, TFE, neoprene, polyimide, or marked VW-1, FT-1	UL 758	UL, --
04. Insulating Tubing/Sleeving	Various	Various	FEP, PTFE, PVC, TFE, neoprene, polyimide or marked VW-1 or FT-1; 105 degree C, 300V.	UL 1441, UL 224	UL, --
05. Connectors and Receptacles (secondary ELV/SELV circuits)	Various	Various	Metal/Plastic Copper alloy pins housed in bodies of plastic rated V-2 minimum	QMFZ2, ECBT2, RTRT2, XCFR2, DUXR or DUXR2	UL, --
06. Label	CAR TONG CO (MH19370)	CT-M002	Application to plastic enclosure, min. 60 degree C.	UL969	UL, --
07. LCD Panel (For Model VENUS-191)	AU OPTRONICS CORP	M190ETN0 1.0	19 inch, TFT-LCD Module with LED backlight.	--	--, --
08. Plastic Enclosure (For Model VENUS-191)	Various	Various	Plastic, V-1, min. 2.0 thickness, 80°C, overall see enclosure 4-01 for dimension details.	UL94	UL, --
09. Speaker (Optional)	--	--	Two provided, 4.0 ohm, 1.5 W	--	--, --
10. Outer Metal Enclosure (For Model VENUS-191)	--	--	Aluminium alloy, 1.0 mm thickness minimum, overall and openings see enclosure 4-02 for dimension	--	--

8.10	**TABLE: list of critical components**				Pass
object/part or Description	manufacturer/ trademark	type/model	technical data	standard (Edition/ year)	mark(s) of conformity[1])
			details.		
11. Printed Wiring Board	Various	Various	V-1 minimum, 105 degree C minimum.	UL796	UL, --
12. RTC Battery	MITSUBISHI ELECTRIC CORP	CR2032	3 Vdc, maximum abnormal charge current 10 mA	UL 1642	UL
12a. RTC Battery (Alternate)	HITACHI MAXELL LTD	CR2032	Same as above	UL 1642	UL
12b. RTC Battery (BAT1) (Alternate)	SONY ENERGY DEVICES CORP	CR2032	Same as above	UL 1642	UL
12c. RTC Battery (Alternate)	PANASONIC CORPORATION , PANASONIC CORPORATION OF NORTH AMERICA	CR2032	Same as above	UL 1642	UL
12d. RTC Battery (Alternate)	MITSUBISHI ELECTRIC HOME APPLIANCE CO LTD	CR2032	Same as above	UL 1642	UL
13. Solid-State Drive / SSD	Various	Various	5Vdc, maximum 1.6 A	--	--
14. Heat Sink for CPU	--	--	Aluminium alloy, overall and openings see enclosure 4-03 for dimension details.	--	--
15. Battery Pack	GALLOPWIRE ENTERPRISE CO LTD	OPM-P01T-00	10.8Vdc, 5800mAh, 62.64 Wh	UL 2054, IEC 60950-1, IEC 62133	UL, CB
16. Power Supply Cord (optional)	Various	Various	Listed, Hospital Grade, maximum 6 m long, rated 105 °C, Type SJT flexible cord, No. 18 AWG min. / 3C. One end terminates with NEMA 5-15P or NEMA 6-15P, grounding type, the other end with an appliance coupler	UL817	UL, --

8.10	**TABLE: list of critical components**				Pass
object/part or Description	manufacturer/ trademark	type/model	technical data	standard (Edition/ year)	mark(s) of conformity[1])
17. VESA mounting (Optional)	--	--	Steel alloy, 3.0mm thickness minimum, overall dimension 90.0mm by 90.0mm. 4 screws diameter 3.9mm fit the mounting together with back plastic enclosure.	--	--

Supplementary information:
[1]) Provided evidence ensures the agreed level of compliance. See OD-CB2039.

8.10.1	**RM TABLE: Fixing of components**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RMF mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-01, H-01, C-11	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-01, C-11	The estimates of the risk(s) were recorded in the risk management file.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-01, C-11 ◆ VENUS-191_RMF_2014_02_24, Section - Risk-graph (before measures)	The results of this risk evaluation were recorded in the risk management file.	Pass
6.2	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-018	The risk control measures selected were recorded in the risk management file.	Pass
6.3	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-018	The effectiveness of the risk control measures had been verified and the results of the verification were recorded in the risk management file.	Pass
6.4	◆ VENUS-191_RMF_2014_02_24, Section -New evaluation after measures: F-01, H-01, C-11 ◆ VENUS-191_RMF_2014_02_24, Section -Risk-graph (after measures) ◆ VENUS-191_RMF_2014_02_24, Section -Summary of risk control	All residual risk that remains after the risk control measure(s) are applied and evaluated using the criteria that defined in the risk management plan	Pass
6.5	◆ N/A	No reduction of risk through Risk/benefit analysis	N/A

8.10.2	**RM TABLE: Fixing of wiring**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-01, H-01, C-18	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-01, C-18	The estimates of the risk(s) were recorded in the risk management file.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-01, C-18 ◆ VENUS-191_RMF_2014_02_24, Section - Risk-graph (before measures)	The results of this risk evaluation were recorded in the risk management file.	Pass
6.2	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-025	The risk control measures selected were recorded in the risk management file.	Pass
6.3	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-025	The effectiveness of the risk control measures had been verified and the results of the verification were recorded in the risk management file.	Pass
6.4	◆ VENUS-191_RMF_2014_02_24, Section -New evaluation after measures: F-01, H-01, C-18 ◆ VENUS-191_RMF_2014_02_24, Section -Risk-graph (after measures) ◆ VENUS-191_RMF_2014_02_24, Section -Summary of risk control	All residual risk that remains after the risk control measure(s) are applied and evaluated using the criteria that defined in the risk management plan	Pass
6.5	N/A	No reduction of risk through Risk/benefit analysis	Pass

8.10.5	**RM TABLE: Mechanical protection of wiring**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-01, H-01, C-18, C-21	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-01, C-18, C-21	The estimates of the risk(s) were recorded in the risk management file.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-01, C-18, C-21 ◆ VENUS-191_RMF_2014_02_24, Section - Risk-graph (before measures)	The results of this risk evaluation were recorded in the risk management file.	Pass
6.2	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-007, RC-025	The risk control measures selected were recorded in the risk management file.	Pass
6.3	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-007, RC-025	The effectiveness of the risk control measures had been verified and the results of the verification were recorded in the risk management file.	Pass
6.4	◆ VENUS-191_RMF_2014_02_24, Section -New evaluation after measures: F-01, H-01, C-18, C-21 ◆ VENUS-191_RMF_2014_02_24, Section -Risk-graph (after measures) ◆ VENUS-191_RMF_2014_02_24, Section -Summary of risk control	All residual risk that remains after the risk control measure(s) are applied and evaluated using the criteria that defined in the risk management plan	Pass
6.5	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-01, H-01, C-18, C-21	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass

8.11.3.5	**TABLE: Cord anchorages**			N/A
Cord under test	Mass of equipment (kg)	Pull (N)	Torque (Nm)	Remarks
Supplementary information:				

8.11.3.6	**TABLE: Cord guard**		N/A
Cord under test	Test mass	Measured curvature	Remarks
Supplementary information:			

8.11.5	**RM TABLE: Mains fuses and over-current releases**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
6.4	--	Not omission of fuses	N/A
6.5	--	--	N/A

9.2.1	**RM TABLE: HAZARDS associated with moving parts - General**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.2.2.2	**TABLE: Measurement of gap "a" according to Table 20 (ISO 13852: 1996)**			N/A
Part of body	Allowable adult gap1, mm	Measured adult gap, mm	Allowable children gap1, mm	Measured children gap, mm
Supplementary information: 1 In general, gaps for adults used, except when the device is specifically designed for use with children, values for children applied.				

9.2.2.4.3	**RM TABLE: Movable guards**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.2.2.4.4	**RM TABLE: Protective measures**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.2.2.5 c)	**RM TABLE: Continuous activation**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.2.2.6	**RM TABLE: Speed of movement(s)**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.2.3.2	**RM TABLE: Over travel**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.2.4	**RM TABLE: Emergency stopping devices**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.2.5	**RM TABLE: Release of patient**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.3	**RM TABLE: Hazards associated with surfaces, corners and edges**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-02, H-01, C-03	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures: F-02, H-01, C-03	The estimates of the risk(s) were recorded in the risk management file.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-02, H-01, C-03 ◆ VENUS-191_RMF_2014_02_24, Section - Risk-graph (before measures)	The results of this risk evaluation were recorded in the risk management file.	Pass
6.2	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-017	The risk control measures selected were recorded in the risk management file.	Pass
6.3	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-017	The effectiveness of the risk control measures had be verified and the results of the verification were recorded in the risk management file.	Pass
6.4	◆ VENUS-191_RMF_2014_02_24, Section -New evaluation after measures: F-02, H-01, C-03 ◆ VENUS-191_RMF_2014_02_24, Section -Residual risk evaluation ◆ VENUS-191_RMF_2014_02_24, Section -Summary of risk control	All residual risk that remains after the risk control measure(s) are applied and evaluated using the criteria that defined in the risk management plan	Pass
6.5	N/A	No reduction of risk through Risk/benefit analysis	Pass

9.4.2.1	**TABLE: Instability-overbalance in transport position**	Pass
ME EQUIPMENT preparation	Test Condition (transport position)	Remarks
LCD system with base (back side)	10 degree Incline 9.4.2.1	--
LCD system with base (rear side)	10 degree Incline 9.4.2.1	--
LCD system with base (front side)	10 degree Incline 9.4.2.1	--
Supplementary information:		
The equipment did not overbalance.		

9.4.2.2	**TABLE: Instability-overbalance excluding transport position**	Pass
ME EQUIPMENT preparation	Test Condition (excluding transport position) Test either 5 ° incline and verify Warning marking or 10 ° incline)	Remarks
LCD system with base (front side)	5 degree Incline 9.4.2.2	--
Supplementary information:		
The equipment did not overbalance.		

9.4.2.3	**TABLE: Instability-overbalance from horizontal and vertical forces**	N/A
ME EQUIPMENT preparation	Test Condition (force used, direction of force, weight of equipment, location of force	Remarks
Supplementary information:		

9.4.2.4.2	**TABLE: Castors and wheels - Force for propulsion**	N/A
ME EQUIPMENT preparation	Test Condition (force location and height)	Remarks
Supplementary information:		

9.4.2.4.3	**TABLE: Castors and wheels - Movement over a threshold**	N/A
ME EQUIPMENT preparation	Test Condition (speed of movement)	Remarks
Supplementary information:		

9.4.2.4.3	**RM TABLE: Movement over a threshold**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.4.3.1	**TABLE: Instability from unwanted lateral movement (including sliding) in transport position**		N/A
ME EQUIPMENT preparation	Test Condition (transport position, working load, locking device(s), caster position)	Remarks	
Supplementary information:			

9.4.3.2	**TABLE: Instability from unwanted lateral movement (including sliding) excluding transport position**		N/A
ME EQUIPMENT preparation	Test Condition (working load, locking device(s), caster position, force, force location, force direction)	Remarks	
Supplementary information:			

9.4.4	**TABLE: Grips and other handling devices**		N/A
Clause and Name of Test	Test Condition	Remarks	
Supplementary information:			

9.5.1	**RM TABLE: Protective means**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.6.1	**RM TABLE: Acoustic energy - General**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.6.2.2	**RM TABLE: Infrasound and ultrasound energy**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.7.2	**RM TABLE: Pneumatic and hydraulic parts**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.7.4	**RM TABLE: Pressure rating of ME equipment parts**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.7.5	**TABLE: Pressure vessels**				N/A
Hydraulic, Pneumatic or Suitable Media and Test Pressure	Vessel Burst	Permanent Deformation	Leaks	Vessel fluid substance	Remarks
Supplementary Information:					

9.7.6	**RM TABLE: Pressure-control device**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.7.7	**RM TABLE: Pressure-relief device**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.8.1	**RM TABLE: Hazards associated with support systems - General**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.8.2	**RM TABLE: Tensile safety factor**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.8.3.1	**RM TABLE: Strength of patient or operator support or suspension systems - General**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.8.3.2	**TABLE: Patient support/suspension system - Static forces**				N/A
ME Equipment part or area	Position	Load	Area	Remarks	
Supplementary Information:					

9.8.3.2a, b	**RM TABLE: Static forces due to loading from persons**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.8.3.3	**TABLE: Support/Suspension System - Dynamic forces due to loading from persons**				N/A
ME Equipment part or area	Position	Safe Working Load	Area	Remarks	
Supplementary Information:					

9.8.4.1	**RM TABLE: Systems with mechanical protective devices - General**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.8.4.3	**RM TABLE: Mechanical protective device for single activation**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

9.8.5	**RM TABLE: Systems without mechanical protective devices**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RMF mention the “Intended use/intended purpose”	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-02, H-01, C-01, C-02	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-02, H-01, C-01, C-02	The estimates of the risk(s) were recorded in the risk management file.	Pass
6.2	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-02, H-01, C-01, C-02 ◆ VENUS-191_RMF_2014_02_24, Section - Risk-graph (before measures)	The results of this risk evaluation were recorded in the risk management file.	Pass
6.3	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-009, RC-012	The risk control measures selected were recorded in the risk management file.	Pass
6.4	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-009, RC-012	The effectiveness of the risk control measures had be verified and the results of the verification were recorded in the risk management file.	Pass
6.5	◆ VENUS-191_RMF_2014_02_24, Section -New evaluation after measures: F-02, H-01, C-01, C-02 ◆ VENUS-191_RMF_2014_02_24, Section -Risk-graph (after measures) ◆ VENUS-191_RMF_2014_02_24, Section -Summary of risk control	All residual risk that remains after the risk control measure(s) are applied and evaluated using the criteria that defined in the risk management plan	N/A

N/A

10.1.1	**TABLE: Measurement of X - radiation**		N/A
Maximum allowable radiation pA/kg (µSv/h) (mR/h)		36 (5 µSv/h) (0.5 mR/h)	
Surface area under test Surface no./ Description1		Measured Radiation, pA/kg (µSv/h) (mR/h)	Remarks
Supplementary information: 1 Measurements made at a distance of 5 cm from any surface to which OPERATOR (other than SERVICE PERSONNEL) can gain access without a TOOL, is deliberately provided with means of access, or is instructed to enter regardless of whether or not a TOOL is needed to gain access			

10.1.2	**RM TABLE: ME equipment intended to produce diagnostic or therapeutic X-radiation**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

10.2	**RM TABLE: Alpha, beta, gamma, neutron & other particle radiation**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

10.3	**RM TABLE: Microwave radiation**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

10.5	**RM TABLE: Other visible electromagnetic radiation**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

10.6	**RM TABLE: RISK associated with infrared radiation other than emitted by lasers and LEDs**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

10.7	**RM TABLE: RISK associated with ultraviolet radiation other than emitted by lasers and LEDs**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

11.1.1	**TABLE: Excessive temperatures in ME EQUIPMENT**					Pass
Model No. :		See below	--	--	--	--
Test ambient (°C) :		40	--	--	--	--
Test supply voltage/frequency (V/Hz)(4) :		90V/50Hz	--	--	--	--
Model No.	Thermo - couple No.	Thermocouple location(3)	Max allowable temperature(1) from Table 22, 23 or 24 or RM file for AP(5) (°C)	Max measured temperature(2), (°C)		Remarks
Test on Model VENUS-191 , Desktop Charging mode						Ambient Shift to 40 degree
--	1	PCB near U1	105	52.2		66.6
--	2	PCB near U10	105	50.8		65.2
--	3	PCB near U40	105	52.0		66.4
--	4	L20 coil	105	53.1		67.5
--	5	BAT body	85	50.8		65.2
--	6	HDD body	105	47.5		61.9
--	7	Enclosure inside near U1	75	46.6		61.0
--	8	Enclosure outside near U1	71	40.6		55.0
--	9	Front Panel near Power button	71	28.3		42.7
--	10	Monitor LCD	66	33.9		48.3
--	11	Test wall	90	33.8		48.2
--	12	Adapter Surface	71	38.9		53.3
--	13	Metal	56	39.7		54.1
--	14	Battery Pack	?	44.7		59.1
--	15	Enclosure inside near Battery	75	44.3		58.7
--	16	Enclosure outside near Battery	71	44.8		59.2
--	17	Ambient	--	25.6		Shift Tma 40
Test on Model VENUS-191 , Discharging mode						Ambient Shift to 40 degree
--	1	PCB near U1	105	50.0		64.2
--	2	PCB near U10	105	45.3		59.5
--	3	PCB near U40	105	49.8		64.0
--	4	L20 coil	105	42.1		56.3
--	5	BAT body	85	48.7		62.9
--	6	HDD body	105	42.8		57.0

--	7	Enclosure inside near U1	75	42.7	56.9
--	8	Enclosure outside near U1	71	35.8	50.0
--	9	Front Panel near Power button	71	27.2	41.4
--	10	Monitor LCD	66	31.1	45.3
--	11	Test wall	90	29.2	43.4
--	12	Adapter Surface	71	26.4	40.6
--	13	Metal	56	34.4	48.6
--	14	Battery Pack	?	37.2	51.4
--	15	Enclosure inside near Battery	75	37.1	51.3
--	16	Enclosure outside near Battery	71	38.3	52.5
--	17	Ambient	--	25.8	Shift Tma 40
Test on Model VENUS-191 , Horizontal 90 degree charging mode					Ambient Shift to 40 degree
--	1	PCB near U1	105	51.7	67.4
--	2	PCB near U10	105	46.3	62
--	3	PCB near U40	105	50.5	66.2
--	4	L20 coil	105	43.9	59.6
--	5	BAT body	85	49.0	64.7
--	6	HDD body	105	45.7	61.4
--	7	Enclosure inside near U1	75	45.9	61.6
--	8	Enclosure outside near U1	71	39.5	55.2
--	9	Front Panel near Power button	71	28.4	44.1
--	10	Monitor LCD	66	33.1	48.8
--	11	Test wall	90	33.4	49.1
--	12	Adapter Surface	71	24.7	40.4
--	13	Metal	56	38.1	53.8
--	14	Battery Pack	?	40.0	55.7
--	15	Enclosure inside near Battery	75	39.7	55.4
--	16	Enclosure outside near Battery	71	41.2	56.9
--	17	Ambient	--	24.3	Shift Tma 40
Test on Model VENUS-191 , Horizontal charging mode					Ambient Shift to 40 degree
--	1	PCB near U1	105	53.9	67.8
--	2	PCB near U10	105	49.4	63.3
--	3	PCB near U40	105	51.6	65.5
--	4	L20 coil	105	52.0	65.9

--	5	BAT body	85	50.2	64.1
--	6	HDD body	105	46.7	60.6
--	7	Enclosure inside near U1	75	47.0	60.9
--	8	Enclosure outside near U1	71	40.4	54.3
--	9	Front Panel near Power button	71	29.1	43.0
--	10	Monitor LCD	66	32.8	46.7
--	11	Test wall	90	32.8	46.7
--	12	Adapter Surface	71	39.2	53.1
--	13	Metal	56	38.3	52.2
--	14	Battery Pack	?	42.5	56.4
--	15	Enclosure inside near Battery	75	42.1	56.0
--	16	Enclosure outside near Battery	71	42.8	56.7
--	17	Ambient	--	26.1	Shift Tma 40
The temperatures obtained did not exceed the specified limits.					

11.1.1	**RM TABLE: Maximum temperature during normal use (Table 23 or 24)**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RMF mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-01, H-02, C-01	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-02, C-01	The estimates of the risk(s) were recorded in the risk management file.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-02, C-01 ◆ VENUS-191_RMF_2014_02_24, Section - Risk-graph (before measures)	The results of this risk evaluation were recorded in the risk management file.	Pass
6.2	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-031	The risk control measures selected were recorded in the risk management file.	Pass
6.3	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-031	The effectiveness of the risk control measures had be verified and the results of the verification were recorded in the risk management file.	Pass
6.4	◆ VENUS-191_RMF_2014_02_24, Section -New evaluation after measures: F-01, H-02, C-01 ◆ VENUS-191_RMF_2014_02_24, Section -Risk-graph (after measures) ◆ VENUS-191_RMF_2014_02_24, Section -Summary of risk control	All residual risk that remains after the risk control measure(s) are applied and evaluated using the criteria that defined in the risk management plan	Pass
6.5	N/A	No reduction of risk through Risk/benefit analysis	N/A

11.1.2.1	**RM TABLE: Applied parts intended to supply heat to patient**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

11.1.2.2	**RM TABLE: Applied parts not intended to supply heat to patient**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

11.1.3	**TABLE: Temperature of windings by change-of-resistance method**						N/A
Temperature T of winding:	t1 (°C)	R1 (ohm)	t2 (°C)	R2 (ohm)	T (°C)	Allowed Tmax(°C)	Insulation class
Supplementary information: Test procedure of 11.2.2.1 a) 5) & Figs 35-37 used for tests. For circuits not in Figs 35-37, test voltage or current set at 3 times the worst case values with other parameters set at worst case values to determine if ignition can occur.							

11.1.3	**RM TABLE: Measurements**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RMF mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-01, H-02, C-01	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-02, C-01	The estimates of the risk(s) were recorded in the risk management file.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The results of this risk evaluation were recorded in the risk management file.	Pass
6.2	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-01, H-02, C-01	The risk control measures selected were recorded in the risk management file.	Pass
6.3	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-02, C-01	The effectiveness of the risk control measures had be verified and the results of the verification were recorded in the risk management file.	Pass
6.4	◆ VENUS-191_RMF_2014_02_24, Section -New evaluation after measures: F-01, H-02, C-01 ◆ VENUS-191_RMF_2014_02_24, Section -Risk-graph (after measures) ◆ VENUS-191_RMF_2014_02_24, Section -Summary of risk control	All residual risk that remains after the risk control measure(s) are applied and evaluated using the criteria that defined in the risk management plan	Pass
6.5	N/A	No reduction of risk through Risk/benefit analysis	N/A

11.2.2.1	**RM TABLE: Risk of fire in an oxygen rich environment**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

11.2.2.1	**TABLE: Alternative method to 11.2.2.1 a) 5) to determine existence of an ignition source**	N/A
Areas where sparking might cause ignition:		Remarks
Materials of the parts between which sparks could occur (Composition, Grade Designation, Manufacturer):		Remarks
Test parameters selected representing worst case conditions for ME EQUIPMENT:		Remarks
Oxygen concentration (%)		
Fuel		
Current (A)		
Voltage (V)		
Capacitance (uF)		
Inductance or resistance (h or Ohms)		
No. of trials (300 Min)		
Sparks resulted in ignition (Yes/No)		
Supplementary information: Test procedure of 11.2.2.1 a) 5) & Figs 35-37 used for tests. For circuits not in Figs 35-37, test voltage or current set at 3 times the worst case values with other parameters set at worst case values to determine if ignition can occur.		

11.3	**RM TABLE: Constructional requirements for fire enclosures of ME equipment**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ ONYX-122/121DT series_RMF_2012_6_28, Section -Version Data	The RMF mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-01, H-02, C-02	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-02, C-02	The estimates of the risk(s) were recorded in the risk management file.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-02, C-02 ◆ ONYX-122/121DT series_RMF_2012_6_28, Section - Risk-graph (before measures)	The results of this risk evaluation were recorded in the risk management file.	Pass
6.2	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-005	The risk control measures selected were recorded in the risk management file.	Pass
6.3	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-005	The effectiveness of the risk control measures had be verified and the results of the verification were recorded in the risk management file.	Pass
6.4	◆ VENUS-191_RMF_2014_02_24, Section -New evaluation after measures: F-01, H-02, C-02 ◆ VENUS-191_RMF_2014_02_24, Section -Risk-graph (after measures) ◆ VENUS-191_RMF_2014_02_24,Section -Summary of risk control	All residual risk that remains after the risk control measure(s) are applied and evaluated using the criteria that defined in the risk management plan	Pass
6.5	N/A	No reduction of risk through Risk/benefit analysis	N/A

11.5	**RM TABLE: ME equipment and ME systems intended for use in conjunction with flammable agents**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

11.6.1	**TABLE: overflow, spillage, leakage, ingress of water, cleaning, disinfection, sterilization, compatibility with substances**			Pass
Clause / Test Name	Test Condition	Part under test	Remarks	
(11.6.6) / Cleaning	A soft / non-abrasive cloth moistened with water	Medical integrated LCD system	--	
(11.6.6) / Cleaning	A soft / non-abrasive cloth moistened with rubbing alcohol	Medical integrated LCD system	--	
Supplementary information:				
The equipment complied with the requirements of Clause 11.6. The equipment did not show signs of wetting of uninsulated live parts. There were no dielectric breakdown and/or leakage current test non-compliances.				

11.6.2	**RM TABLE: Overflow in ME equipment**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

11.6.3	**RM TABLE: Spillage on ME equipment and ME system**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

11.6.5	**RM TABLE: Ingress of water or particulate matter into ME EQUIPMENT and ME SYSTEMS**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

11.6.6	**RM TABLE: Cleaning and disinfection of ME equipment and ME systems**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RMF mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-01, H-01, C-23	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-01, C-23	The estimates of the risk(s) were recorded in the risk management file.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-01, H-01, C-23 ◆ VENUS-191_RMF_2014_02_24, Section - Risk-graph (before measures)	The results of this risk evaluation were recorded in the risk management file.	Pass
6.2	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-021	The risk control measures selected were recorded in the risk management file.	Pass
6.3	◆ VENUS-191_RMF_2014_02_24, Section -Release protocols of measures: RC-021	The effectiveness of the risk control measures had be verified and the results of the verification were recorded in the risk management file.	Pass
6.4	◆ VENUS-191_RMF_2014_02_24, Section -New evaluation after measures: F-01, H-01, C-23 ◆ VENUS-191_RMF_2014_02_24, Section -Risk-graph (after measures) ◆ VENUS-191_RMF_2014_02_24, Section -Summary of risk control	All residual risk that remains after the risk control measure(s) are applied and evaluated using the criteria that defined in the risk management plan	Pass
6.5	N/A	No reduction of risk through Risk/benefit analysis	N/A

11.6.7	**RM TABLE: Sterilization of ME equipment and ME systems**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

11.6.8	**RM TABLE: Compatibility with substances used**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

12.1	**RM TABLE: Accuracy of controls and equipment**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RMF mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-09, H-01, C-01	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-09, H-01, C-01	The estimates of the risk(s) were recorded in the risk management file.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-09, H-01, C-01 ◆ VENUS-191_RMF_2014_02_24, Section - Risk-graph (before measures)	The results of this risk evaluation were recorded in the risk management file.	Pass

12.3	**RM TABLE: Alarm systems**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

12.4.1	**RM TABLE: Intentional exceeding of safety limits**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

12.4.2	**RM TABLE: Indication of parameters relevant to safety**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

12.4.3	**RM TABLE: Accidental selection of excessive output values**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

12.4.4	**RM TABLE: Incorrect output**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

12.4.5.2	**RM TABLE: Diagnostic X-ray equipment**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

12.4.5.3	**RM TABLE: Radiotherapy equipment**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

12.4.5.4	**RM TABLE: Other ME equipment producing diagnostic or therapeutic radiation**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

12.4.6	**RM TABLE: Diagnostic or therapeutic acoustic pressure**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

13.1.2	**TABLE: measurement of power or energy dissipation in parts & components to waive SINGLE FAULT CONDITIONS in 4.7, 8.1 b), 8.7.2, and 13.2.2 relative to emission of flames, molten metal, or ignitable substances**			N/A
Power dissipated less than (W)		15		
Energy dissipated less than (J)		900		
Part or component tested	Measured power dissipated (W)	Calculated energy dissipated (J)	SINGLE FAULT CONDITIONS waived (Yes/No)	Remarks
Supplementary information:				

13.2	**TABLE: Single Fault Conditions in accordance with 13.2.2 to 13.2.13, inclusive**		Pass
Clause No.	Description of SINGLE FAULT CONDITION	Results observed	Hazardous Situation (Yes/No)
13.2.2	Electrical SINGLE FAULT CONDITIONS per Clause 8.1:	-	-
--	--	--	--
13.2.3	Overheating of transformers per Clause 15.5:	-	-
--	--	--	--
13.2.4	Failure of THERMOSTATS according to 13.2.13 & 15.4.2, overloading - THERMOSTATS short circuited or interrupted, the less favourable of the two:	-	-
--	--	--	--
13.2.5	Failure of temperature limiting devices according to 13.2.13 & 15.4.2, overloading, THERMOSTATS short circuited or interrupted, the less favourable of the two:	-	-
--	--	--	--
13.2.6	Leakage of liquid - RISK MANAGEMENT FILE examined to determine the appropriate test conditions (sealed rechargeable batteries exempted)	-	-
--	--	--	--
13.2.7	Impairment of cooling that could result in a HAZARD using test method of 11.1:	-	-
13.2.7	Single ventilation fans locked consecutively	--	--
13.2.7	Ventilation openings blocked	Unit operation Normally, No hazardous.	No
13.2.8	Locking of moving parts - Only one part locked at a time - Also see 13.2.10 below:	-	-
--	--	--	--
13.2.9	Interruption and short circuiting of motor capacitors - Motor capacitors short & open circuited 1 - Also see 13.10	-	-
--	--	--	--
13.2.10	Additional test criteria for motor operated ME EQUIPMENT in 13.2.8 &13.2.9:	-	-
--	--	--	--

13.2.11	Failures of components in ME EQUIPMENT used in conjunction with OXYGEN RICH ENVIRONMENTS:	-	-
--	--	--	--
13.2.12	Failure of parts that might result in a MECHANICAL HAZARD (See 9 & 15.3):	-	-
--	--	--	--
Supplementary information: 1 Test with short-circuited capacitor not performed when motor provided with a capacitor complying with IEC 60252-1 and the ME EQUIPMENT not intended for unattended use including automatic or remote control. See Attachment # and appended Table 8.10.			
The measured temperatures did not exceed those allowable. See Table 11 for Temperatures obtained during the indicated Abnormal Operation tests.			

13.2.6	**RM TABLE: Leakage of liquid**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

14.1	**RM TABLE: Programmable electrical medical systems - General**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

14.6.1	**RM TABLE: Identification of known and foreseeable hazards**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

14.6.2	**RM TABLE: Risk control**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

14.7	**RM TABLE: Requirement specification**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

14.8	**RM TABLE: Architecture**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

14.9	**RM TABLE: Design and Implementation**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

14.10	**RM TABLE: Verification**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

14.11	**RM TABLE: PEMS validation**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

14.13	**RM TABLE: Connection of PEMS by NETWORK/DATA COUPLING to other equipment**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

15.1	**RM TABLE: Construction of ME equipment - Arrangements of controls and indicators of ME equipment**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RMF mention the “Intended use/intended purpose”	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-06, H-01, C-01	The estimates of the risk(s) were recorded in the risk management file.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-06, H-01, C-01 ◆ VENUS-191_RMF_2014_02_24, Section - Risk-graph (before measures)	The results of this risk evaluation were recorded in the risk management file.	Pass

15.3	**TABLE: Mechanical Strength tests 1)**			Pass
Clause	Name of Test	Test conditions	Observed results/Remarks	
15.3.2	Push Test (rear side)	Force = 250 N ± 10 N for 5 s	No damage	
15.3.3	Impact Test (rear side)	Steel ball (50 mm in dia., 500 g ± 25 g) falling from a 1.3 m	No damage	
15.3.4.2	Drop Test (portable)	Drop height (cm) = 5, Test on rear side	No damage	
15.3.6	Mold Stress Relief	7 h in oven at temperature (°C) = 70	No damage	
Supplementary information: 1)As applicable, Push, Impact, Drop, Mould Stress Relief and Rough Handling Tests (delete not applicable rows).				
Enclosure material: Bayer Materials Science AG, Type FR3010. There was no cracking of the enclosure. There were no live parts that became accessible.				

15.3.2	**RM TABLE: Push test**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RM mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-01, H-02, C-02	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-02, C-02	The estimates of the risk(s) were recorded in the risk management file.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-02, C-02 ◆ VENUS-191_RMF_2014_02_24, Section - Risk-graph (before measures)	The results of this risk evaluation were recorded in the risk management file.	Pass

15.3.3	**RM TABLE: Impact test**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RM mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-01, H-02, C-02	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-02, C-02	The estimates of the risk(s) were recorded in the risk management file.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-01, H-02, C-02 ◆ VENUS-191_RMF_2014_02_24, Section - Risk-graph (before measures)	The results of this risk evaluation were recorded in the risk management file.	Pass

15.3.4.2	**RM TABLE: Portable ME equipment**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RM mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-03, H-01, C-01, C-02, C-03	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-03, H-01, C-01, C-02, C-03	The estimates of the risk(s) were recorded in the risk management file.	Pass
5	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-03, H-01, C-01, C-02, C-03 ◆ VENUS-191_RMF_2014_02_24, Section - Risk-graph (before measures)	The results of this risk evaluation were recorded in the risk management file.	Pass

15.3.5	**RM TABLE: Rough handling test**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

15.4.1	**RM TABLE: Construction of connectors**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

15.4.2.1 a	**RM TABLE: THERMAL CUT-OUTS and OVER-CURRENT RELEASES**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

15.4.2.1 b	**RM TABLE: THERMAL CUT-OUTS with a safety function**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

15.4.2.1 c	**RM TABLE: Independent non-SELF-RESETTING THERMAL CUT-OUT**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

15.4.2.1 d	**RM TABLE: Loss of function of ME EQUIPMENT**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

15.4.2.1 h	**RM TABLE: ME EQUIPMENT with tubular heating elements**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

15.4.3.1	**RM TABLE: Housing**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

15.4.3.2	**RM TABLE: Connection**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

15.4.3.3	**RM TABLE: Protection against overcharging**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

15.4.3.4	**RM TABLE: Lithium batteries**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

15.4.3.5	**RM TABLE: Excessive current and voltage protection**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

15.4.4	**RM TABLE: Indicators**		Pass
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict
4.2	◆ VENUS-191_RMF_2014_02_24, Section -Version Data	The RM mention the “Intended use/intended purpose”	Pass
4.3	◆ VENUS-191_RMF_2014_02_24, Section -Risk analysis: F-06, H-01, C-01	The manufacturer had compiled a list of known or foreseeable hazards associated with the unit in both normal and fault conditions.	Pass
4.4	◆ VENUS-191_RMF_2014_02_24, Section -Evaluation of risk (before measures): F-06, H-01, C-01	The estimates of the risk(s) were recorded in the risk management file.	Pass

15.4.5	**RM TABLE: Pre-set controls**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

15.4.6	**TABLE: actuating parts of controls of ME EQUIPMENT - torque & axial pull tests**				N/A
Rotating control under test	Gripping diameter "d" of control knob (mm) 1	Torque from Table 30 (Nm)	Axial force applied (N)	Unacceptable RISK occurred Yes/No	Remarks
Supplementary information: 1 Gripping diameter (d) is the maximum width of a control knob regardless of its shape (e.g. control knob with pointer)					

15.4.7.3 b	**RM TABLE: Entry of liquids**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

15.5.1.2	**TABLE: transformer short circuit test short-circuit applied at end of windings or at the first point that could be short circuited under SINGLE FAULT CONDITION**						N/A
Primary voltage (most adverse value from 90 % to 110 % of RATED voltage)(V)1							-
RATED input frequency (Hz)							-
Winding tested	Class of insulation (A, B, E, F, or H)	Type of protective device (fuse, circuit breaker) /Ratings	Protective device operated Yes/No	Time to THERMAL STABILITY (when protective device did not operate)(Min)	Maximum allowed temp from Table 31 (°C)	Maximum winding temp measured (°C)	Ambient (°C)
Supplementary information: 1 Loads on other windings between no load and their NORMAL USE load. Short-circuit applied at end of windings or at the first point that could be short circuited under SINGLE FAULT CONDITION							

15.5.1.3	**TABLE: transformer overload test - conducted only when protective device under short-circuit test operated**				N/A
Primary voltage, most adverse value between 90 % to 110 % of RATED voltage (V)1					
RATED input frequency (Hz)					
Test current just below minimum current that would activate protective device & achieve THERMAL STABILITY under method a) (A)					
Test current based on Table 32 when protective device that operated under method a) is external to transformer, and it was shunted (A)					
Winding tested	Class of insulation (A, B, E, F, H)	Type of protective device used (fuse, circuit breaker)/Ratings	Maximum allowed temp from Table 31 (°C)	Maximum winding temp measured (°C)	Ambient (°C)
Supplementary information: 1 Loads on other windings between no load and their NORMAL USE load. Time durations: - IEC 60127-1 fuse: 30 min at current from Table 32. Non IEC 60127-1 fuse: 30 min at the current based on characteristics supplied by fuse manufacturer, specifically, 30 min clearing-time current. When no 30 min clearing-time current data available, test current from Table 32 used until THERMAL STABILITY achieved. - Other types of protective devices: until THERMAL STABILITY achieved at a current just below minimum current operating the protective device in a). This portion concluded at specified time or when a second protective device opened.					

15.5.2	**TABLE: Transformer dielectric strength after humidity preconditioning of 5.7**				N/A
Transformer Model/Type/ Part No	Test voltage applied between	Test voltage, (V)	Test frequency (Hz)	Breakdown Yes/No	Deterioration Yes/No
Supplementary information: Tests conducted under the conditions of 11.1, in ME EQUIPMENT or under simulated conditions on the bench. See Clause 15.5.2 for test parameters & other details					

16.1	**RM TABLE: General requirements for ME Systems**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

16.6.1	**TABLE: Leakage Currents in ME System _ Touch Current Measurements**				N/A
Specific area where TOUCH CURRENT measured (i.e., from or between parts of ME SYSTEM within PATIENT ENVIRONMENT)	Allowable TOUCH CURRENT in NORMAL CONDITION (µA)	Measured TOUCH CURRENT in NORMAL CONDITION (µA)	Allowable TOUCH CURRENT in event of interruption of PROTECTIVE EARTH CONDUCTOR, (µA)	Measured TOUCH CURRENT in event of interruption of PROTECTIVE EARTH CONDUCTOR, (µA)	
Supplementary information:					

16.9.1	**RM TABLE: Connection terminals and connectors**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

17	**RM TABLE: Electromagnetic compatibility of ME equipment and ME systems**		N/A
Clause of ISO 14971	Document Ref. in RMF (Document No. and paragraph)	Result - Remarks	Verdict

SP	**TABLE: Additional or special tests conducted**	Pass
Clause and Name of Test	Test type and condition	Observed results
HUMIDITY PRECONDITIONING TREATMENT: (IEC 60601-1, 3rd Edition, Clause 5.7)	Humidity preconditioning treatment; temperature = 25 degree C, humidity =93%; 48 hours	--
INTERRUPTION OF POWER SUPPLY: (IEC 60601-1, 3rd Edition, Clause 11.8)	--	--
--	Interrupted and restored (Equipment state: Loaded, operating mode)	Unit operation normally
Supplementary information:		
HUMIDITY PRECONDITIONING TREATMENT: (IEC 60601-1, 3rd Edition, Clause 5.7): There was no dielectric breakdown. INTERRUPTION OF POWER SUPPLY: (IEC 60601-1, 3rd Edition, Clause 11.8): The results complied with the requirements of the Standard. REVERSED BATTERY CONNECTION/OVERCHARGING: (IEC 60601-1, 3rd Edition, Clause 15.4.3):		

Enclosure

National Differences

Austria*

Belgium*

Canada

Czech Republic*

Denmark*

Finland*

France*

Germany*

Hungary*

Italy*

Netherlands*

Norway*

Poland*

Slovakia*

Slovenia*

Sweden*

Switzerland

Turkey*

USA

Ukraine*

United Kingdom*

* No National Differences Declared

** Only Group Differences

Canada - Differences to IEC 60601-1: 2005 + CORR. 1 (2006) + CORR. 2 (2007)			
1	Scope, object and related documents	Noted	Pass
1.1	Scope	Noted	Pass
1.1	This standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of MEDICAL ELECTRICAL EQUIPMENT and MEDICAL ELECTRICAL SYSTEMS designed to be installed in accordance with the Canadian Electrical Code (CEC), Part I, CSA C22.1; CAN/CSA-C22.2 No. 0; and CAN/CSA-Z32.	Noted	Pass
1.1	NOTE 1A: In the IEC 60601 standards series adopted for use in Canada, the Canadian-particular standards may modify, replace, or delete requirements contained in this standard as appropriate for the particular ME EQUIPMENT and ME SYSTEMS under consideration, and may add other BASIC SAFETY and ESSENTIAL PERFORMANCE requirements.	Noted	Pass
1.3	Collateral standards	Noted	N/A
1.3	Applicable Canadian collateral standards become normative at the date of their publication and apply together with this standard.	Noted	Pass
1.3	NOTE 1: When evaluating compliance with CAN/CSA-C22.2 No. 60601-1, it is permissible to assess independently compliance with the adopted Canadian collateral standards.	Noted	Pass
1.4	Particular standards	Noted	N/A
1.4	A requirement of a Canadian-particular safety standard takes precedence over this standard.	Noted	Pass
3	Terminology and definitions	Noted	Pass
3.41	HIGH VOLTAGE	No high voltage used or present	N/A
3.41	any voltage above 750 V, 1 050 V peak, as defined in the Canadian Electrical Code (CEC), Part I	No high voltage used or present	N/A
4.8	a) the applicable safety requirements of a relevant CSA, IEC, or ISO standard; or		Pass
4.8	NOTE 1: For the components, it is not necessary to carry out identical or equivalent tests already performed to check compliance with the component standard.		Pass
4.8	b) where there is no relevant CSA, IEC, or ISO standard, the requirements of this standard have to be applied		Pass
4.8	NOTE 2: If there are neither requirements in this standard nor in a CSA, IEC, or ISO standard, any other applicable source (e.g., standards for other types of devices, national standards) could be used to demonstrate compliance with the RISK		Pass

	MANAGEMENT PROCESS.		
4.10.2	and shall be in accordance with the Canadian Electrical Code (CEC), Part I, CSA C22.1:		Pass
7.7.1	and shall be in accordance with the Canadian Electrical Code (CEC), Part I, CSA C22.1		N/A
7.7.1	A PROTECTIVE EARTH CONDUCTOR or a PROTECTIVE EARTH CONNECTION or insulation shall be identified by either green or green and yellow colour. Colours of neutral and POWER SUPPLY CORD conductors shall be in accordance with the Canadian Electrical Code (CEC), Part I, CSA C22.2 No. 21, and CSA C22.2 No. 49		N/A
7.7.2	and shall be in accordance with the Canadian Electrical Code (CEC), Part I, CSA C22.1		N/A
7.7.2	A PROTECTIVE EARTH CONDUCTOR or a PROTECTIVE EARTH CONNECTION or insulation shall be identified by either green or green and yellow colour. Colours of neutral and POWER SUPPLY CORD conductors shall be in accordance with the Canadian Electrical Code (CEC), Part I, CSA C22.2 No. 21, and CSA C22.2 No. 49		N/A
7.7.3	and shall be in accordance with the Canadian Electrical Code (CEC), Part I, CSA C22.1		N/A
7.7.3	A PROTECTIVE EARTH CONDUCTOR or a PROTECTIVE EARTH CONNECTION or insulation shall be identified by either green or green and yellow colour. Colours of neutral and POWER SUPPLY CORD conductors shall be in accordance with the Canadian Electrical Code (CEC), Part I, CSA C22.2 No. 21, and CSA C22.2 No. 49		N/A
7.7.4	and shall be in accordance with the Canadian Electrical Code (CEC), Part I, CSA C22.1		N/A
7.7.4	A PROTECTIVE EARTH CONDUCTOR or a PROTECTIVE EARTH CONNECTION or insulation shall be identified by either green or green and yellow colour. Colours of neutral and POWER SUPPLY CORD conductors shall be in accordance with the Canadian Electrical Code (CEC), Part I, CSA C22.2 No. 21, and CSA C22.2 No. 49		N/A
7.7.5	and shall be in accordance with the Canadian Electrical Code (CEC), Part I, CSA C22.1		N/A
7.7.5	A PROTECTIVE EARTH CONDUCTOR or a PROTECTIVE EARTH CONNECTION or insulation shall be identified by either green or green and yellow colour. Colours of neutral and POWER SUPPLY CORD conductors shall be in accordance with the Canadian Electrical Code (CEC), Part I, CSA C22.2 No. 21, and CSA C22.2 No. 49		N/A
8.7.3	Allowable values shall be in accordance with the Canadian Electrical Code (CEC), Part I, CSA C22.1.		Pass

8.11.3.2	a) The MAINS PLUG of non-PERMANENTLY INSTALLED EQUIPMENT shall be		N/A
8.11.3.2	i) if molded-on type, hospital grade mains plug complying with CSA C22.2 No. 21;. .....:		N/A
8.11.3.2	ii) hospital grade disassembly attachment plug type complying with CSA C22.2 No. 42; or		N/A
8.11.3.2	iii) Class II equipment having fuses on the line side/sides and neutral and may use a non-polarized attachment plug or a polarized attachment plug - CSA configuration type 1-15P shall be required and shall meet all applicable requirements in CSA C22.2 No. 21 and CSA C22.2 No. 42. Where a polarized attachment plug is used, the POWER SUPPLY CORD shall be connected to the wiring of the EQUIPMENT on the ungrounded side of the line when any of the following devices are used in the primary circuit: .....:		N/A
8.11.3.2	1- the centre contact of an Edison base lampholder;		N/A
8.11.3.2	2- a single pole switch;		N/A
8.11.3.2	3- an automatic control with a marked off position;		N/A
8.11.3.2	4- a solitary fuse/fuse holder; or		N/A
8.11.3.2	5- any other single pole overcurrent protective device		N/A
8.11.3.2	b) Detachable POWER SUPPLY CORD for non-PERMANENTLY INSTALLED EQUIPMENT (cord-connected equipment) shall be of a type that		N/A
8.11.3.2	i) can be shown to be unlikely to become detached accidentally, unless it can be shown that detachment will not constitute a safety HAZARD to a PATIENT or OPERATOR;		N/A
8.11.3.2	ii) can be shown that the impedance of the earth (ground) circuit contacts will not constitute a safety HAZARD to a PATIENT or OPERATOR; and		N/A
8.11.3.2	iii) has a terminal configuration or other constructional feature that will minimize the possibility of its replacement by a detachable POWER SUPPLY CORD which could create a HAZARDOUS SITUATION		N/A
8.11.3.2	c) A detachable POWER SUPPLY CORD shall		N/A
8.11.3.2	i) comply with the applicable requirements of CSA C22.2 No. 21; and .....:		N/A
8.11.3.2	ii) not be smaller than No. 18 AWG, and the mechanical serviceability shall be not less than		N/A
8.11.3.2	1) Type SJ or equivalent for mobile or exposed to abuse ME EQUIPMENT; and		N/A
8.11.3.2	2) Type SV or equivalent for ME EQUIPMENT not exposed to abuse (or Type HPN if required because of temperature)		N/A

8.11.3.2	NOTE 1A: See CSA C22.2 No. 49 for requirements on the cord types mentioned in Sub-item 2).		N/A
8.11.3.2	d) Power supply cords shall meet the requirements of the Canadian Electrical Code, Part I, as applicable		N/A
8.11.3.2	Connecting cords between equipment parts shall meet the requirements of the Canadian Electrical Code, Part I, as applicable		N/A
8.11.5	Mains fuses and OVER-CURRENT RELEASES shall be in accordance with the Canadian Electrical Code (CEC), Part I, CSA C22.1 .....:	Evaluated in part of power supply	Pass
9.7.5	Pressure vessels shall comply with the requirements of CSA B51, as applicable		N/A
9.7.7	A pressure-relief device shall also comply as applicable to the requirements of ASME PTC 25 or equivalent Canadian requirements .....:		N/A
15.4.1	bA) The point of connection of gas cylinders to EQUIPMENT shall be gas specific and clearly identified so that errors are avoided when a replacement is made. Medical gas inlet connectors on EQUIPMENT shall be		N/A
15.4.1	i) gas specific, yoke type, or nut and nipple type valve connections complying with CGA V-1 for pressures over 1 380 kPa (200 psi); or.....:		N/A
15.4.1	ii) DISS type complying with CGA V-5 for pressures 1 380 kPa (200 psi) or less and configured to permit the supply of medical gases from low-pressure connecting assemblies complying with CAN/CSA-Z5359		N/A
15.4.1	NOTE 1A: Users of this standard should consult the CSA Z305 series of standards, CAN/CSA-Z9170-1, CAN/CSA-Z9170-2, CAN/CSA-Z10524, and CAN/CSA-Z15002 for further information regarding inlet connectors; ISO 407 for requirements addressing yoke-type valve connections; and ISO 32 for colour coding.		N/A
15.4.8	Internal wiring of ME EQUIPMENT shall be in accordance with the Canadian Electrical Code (CEC), Part I, CSA C22.1.....:	see Table 8.10	Pass
16.1	General requirements for the ME SYSTEMS	The ME Equipment is not part of an ME System as defined by the manufacturer	N/A
16.1	An ME SYSTEM shall provide	The ME Equipment is not part of an ME System as defined by the manufacturer	N/A
16.1	- within the PATIENT ENVIRONMENT, the level of safety equivalent to ME EQUIPMENT complying with this standard; and	The ME Equipment is not part of an ME System as defined by the manufacturer	N/A
16.1	- outside the PATIENT ENVIRONMENT, the level of safety equivalent to equipment complying with	The ME Equipment is not part of an ME System as defined	N/A

	their respective CSA, IEC, or ISO safety standards	by the manufacturer	
16.1	Non-ME EQUIPMENT, when used in an ME SYSTEM, shall comply with CSA, IEC, or ISO safety standards that are relevant to that equipment.	The ME Equipment is not part of an ME System as defined by the manufacturer	N/A
16.9.2.1	c) The MULTIPLE SOCKET-OUTLET shall comply with the requirements of CSA C22.2 No. 42, CSA C22.2 No. 49, and the following requirements.....:	No multiple socket outlets used	N/A
16.9.2.1	- The separating transformer shall comply with the requirements of CAN/CSA-E61558-2-1 with a rated output not exceeding	No multiple socket outlets used	N/A
16.9.2.1	- 1 kVA for single-phase transformers; and	No multiple socket outlets used	N/A
16.9.2.1	- 5 kVA for polyphase transformers	No multiple socket outlets used	N/A
16.9.2.1	The separating transformer shall also have a degree of protection not exceeding IPX4.	No multiple socket outlets used	N/A

Switzerland - Differences to IEC 60601-1: 2005 + CORR. 1 (2006) + CORR. 2 (2007)			
4	Ordinance on environmentally hazardous substances SR 814.081, Annex 1.7, Mercury - Annex 1.7 of SR 814.81 applies for mercury. Switches containing mercury such as thermostats, relays and level controllers are not allowed.		N/A
4	Ordinance on chemical hazardous risk reduction SR 814.81, Annex 2.15 Batteries Annex 2.15 of SR 814.81 applies for batteries containing cadmium and mercury.	No batteries containing cadmium and mercury used	N/A
4	Note: Ordinance relating to environmentally hazardous substances, SR 814.013 of 1986-06-09 is not longer in force and superseded by SR 814.81 of 2009-02-01 (ChemRRV).		N/A
4	Supply cords of portable electrical appliances having a rated current not exceeding 10 A shall be provided with a plug complying with IEC 60884-1(3.ed.) + am1, SEV 1011 and one of the following dimension sheets: - SEV 6533-2:2009 Plug type 11, L + N, 250V 10A - SEV 6534-2:2009 Plug type 12, L + N + PE, 250V 10A - SEV 6532-2:2009 Plug type 15, 3L + N + PE, 250/400V 10A		N/A
4	Supply cords of portable electrical appliances having a rated current not exceeding 16 A shall be provided with a plug complying with IEC 60884-1(3.ed.) + am1, SEV 1011 and one of the following dimension sheets: - SEV 5933-2:2009 Plug type 21 L + N, 250 V, 16A - SEV 5934-2:2009 Plug type 23 L + N + PE, 250 V, 16A - SEV 5932-2:2009 Plug type 25 3L + N + PE,		N/A

	250/400V 16A		
4	NOTE 16 A plugs are not often used in Swiss domestic installation system.	Noted	Pass
4	See TRF template regulatory requirements Switzerland on IECEE Website R.R. TRF templates.	Noted	Pass

USA - Differences to IEC 60601-1: 2005 + CORR. 1 (2006) + CORR. 2 (2007)			
4.8	Replacement: where there was no relevant IEC/ISO standard, the relevant US ANSI standard applied		N/A
4.8	- when no relevant US ANSI standard existed, the requirements of this standard applied		Pass
4.10.2	Replacement: Rated voltage not exceeding 250V dc or single phase ac. or 600V poly-phase ac for me equipment and me systems up to 4kVA		N/A
4.10.2	Rated voltage not exceeding 600 V for all other me equipment and me systems		N/A
8.2	Addition: All fixed me equipment & permanently installed me equipment are class I me equipment		N/A
8.7.3	Earth leakage current values are not higher than the stated values		Pass
8.7.3	5 mA in normal condition		Pass
8.7.3	10 mA in single fault condition		Pass
8.11	Addition: permanently connected me equipment provided with field wiring provision in accordance with NEC		N/A
8.11	Installation of connecting cords between equipment parts comply with NEC		N/A
8.11	Cable used as external interconnection between units		N/A
8.11	1) Exposed to abuse: Type SJT, SJTO, SJO, ST, SO, STO, or equivalent, or similar multiple-conductor appliance-wiring material,		N/A
8.11	2) Not exposed to abuse: The cable was as in item 1) above, or		N/A
8.11	i) Type SPT-2, SP-2, or SPE-2, or equivalent		N/A
8.11	ii) Type SVr, SVRO, SVE, or equivalent or similar multiple-conductor appliance wiring material,		N/A
8.11	iii) An assembly of insulated wires each with a nominal insulation thickness of 0.8 mm (1/32 inch) or more,		N/A
8.11	- enclosed in acceptable insulating tubing having a nominal wall thickness of 0.8 mm (1/32 inch) or more		N/A
8.11	Receptacles provided as part of me equipment and me systems for use in the patient care areas of		N/A

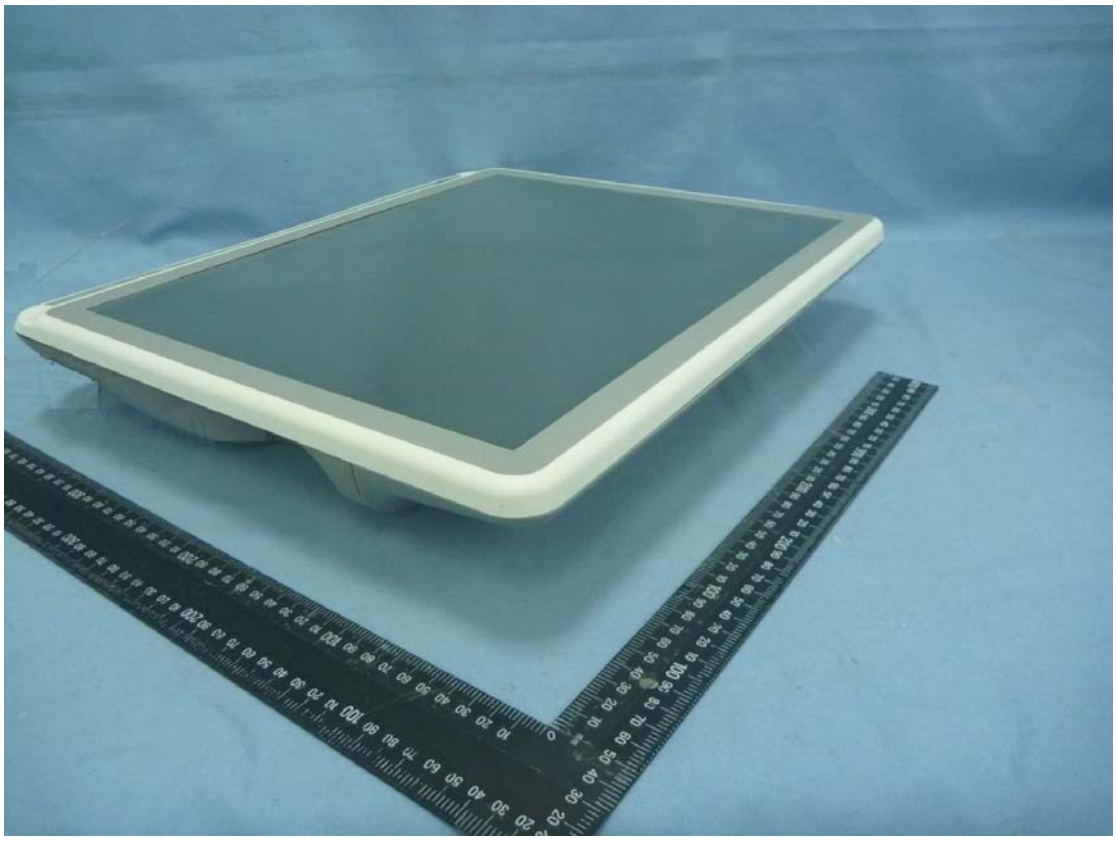
	pediatric wards, rooms, or areas are Listed tamper resistant		
8.11	- or employ a Listed tamper resistant cover in accordance with NEC		N/A
8.11.3.2	Addition: The flexible cord is a type acceptable for the particular application,		N/A
8.11.3.2	- and it is acceptable for use at a voltage not less than the rated voltage of the appliance		N/A
8.11.3.2	- and has an ampacity as in NEC, not less than the current rating of the appliance		N/A

Enclosures

Type	Supplement Id	Description
Marking Plate	13-01	Label
Photographs	3-01	Overall View-1 for VENUS-191
Photographs	3-02	Overall View-2 for VENUS-191
Photographs	3-03	Overall View for all External I/O ports of Computer
Photographs	3-04	Internal View for VENUS-191
Diagrams	4-01	Enclosure dimension drawing for VENUS-191
Diagrams	4-02	Metal part dimension drawing for VENUS-191
Diagrams	4-03	Heat Sink for CPU
Miscellaneous	7-01	Carton label

Marking Plate ID 13-01 (缺)

Photographs ID 3-01

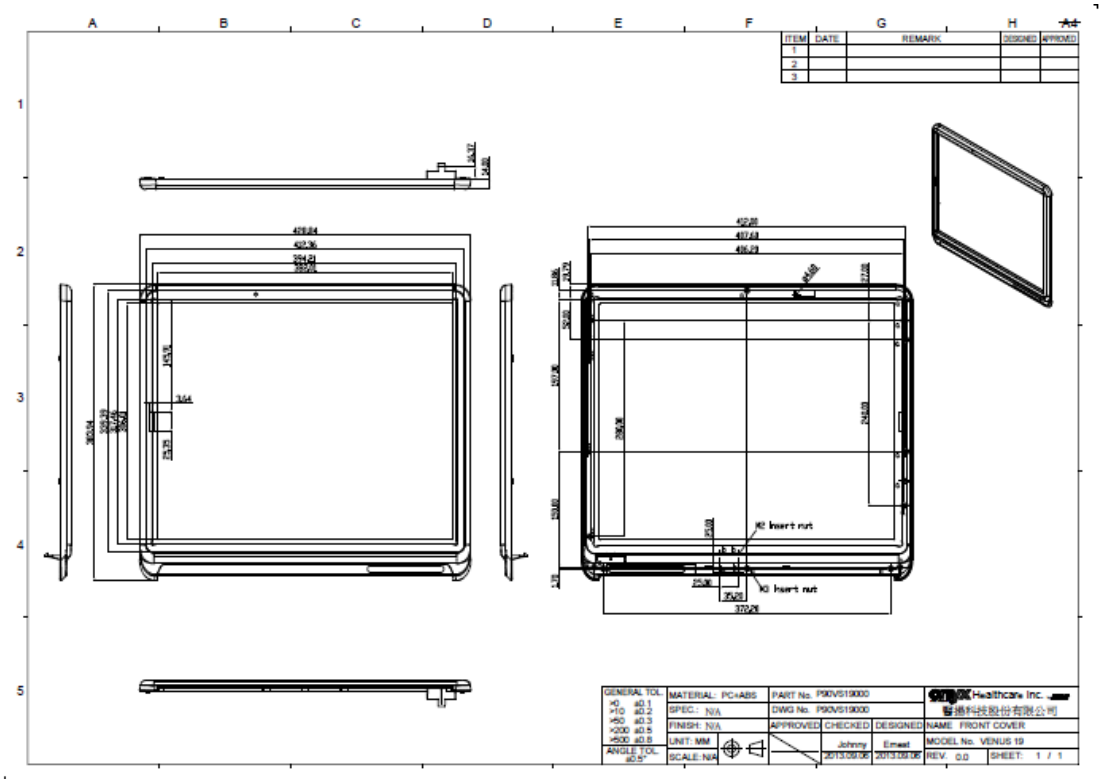


Photographs ID 3-02

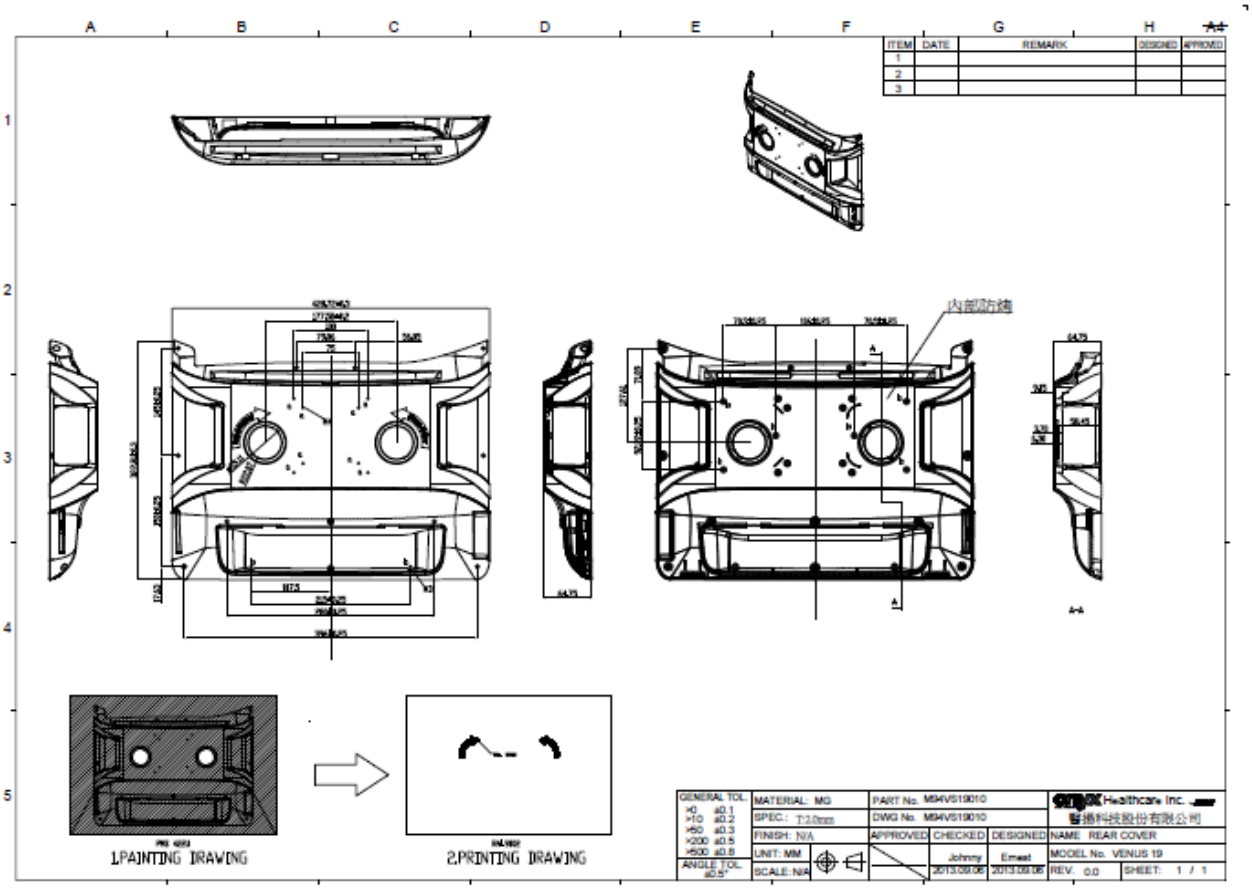
Photographs ID 3-03

Photographs ID 3-04

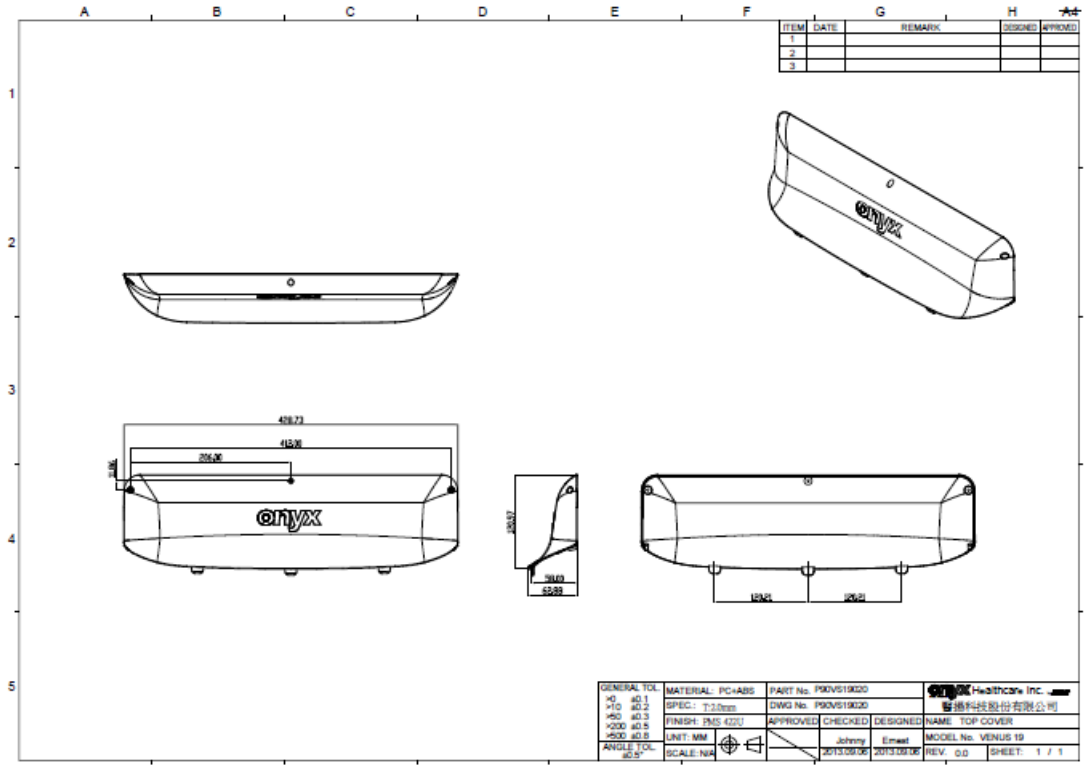
Diagrams ID 4-01



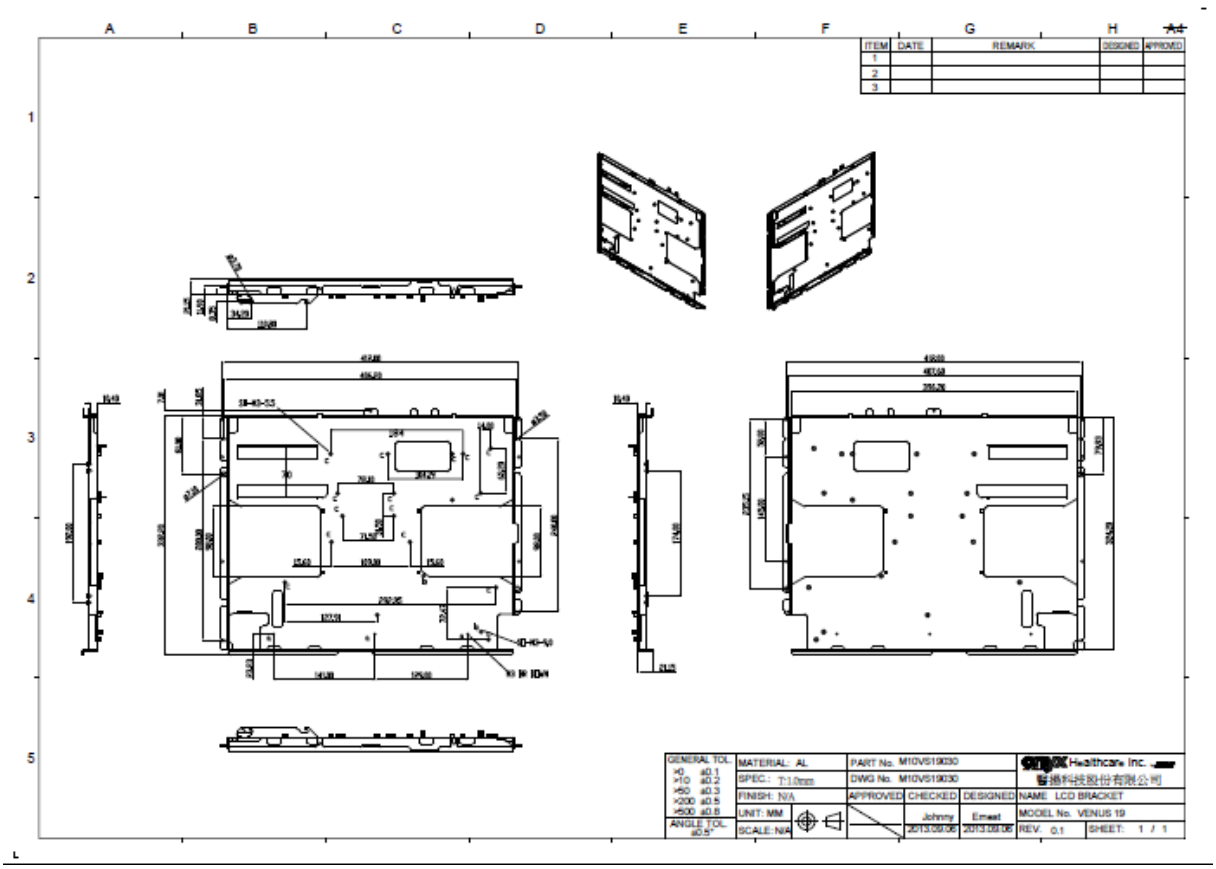
Diagrams ID 4-01



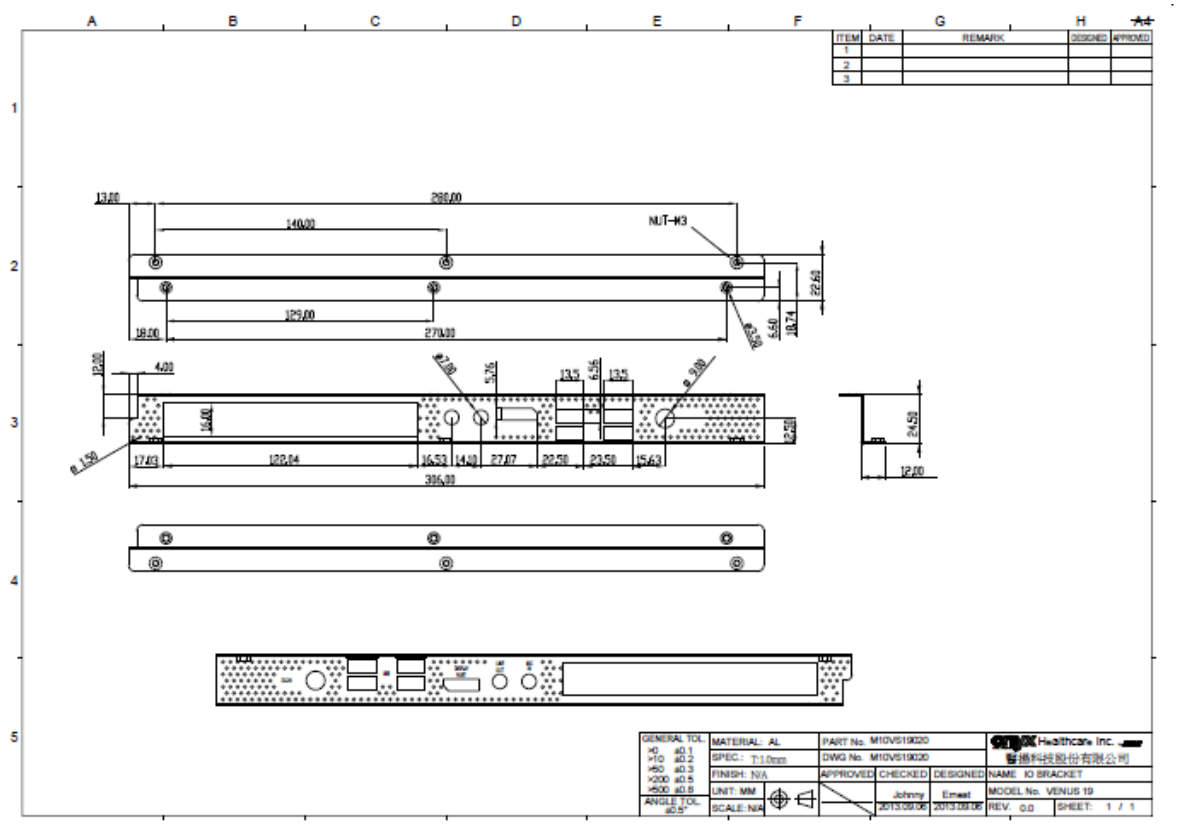
Diagrams ID 4-01



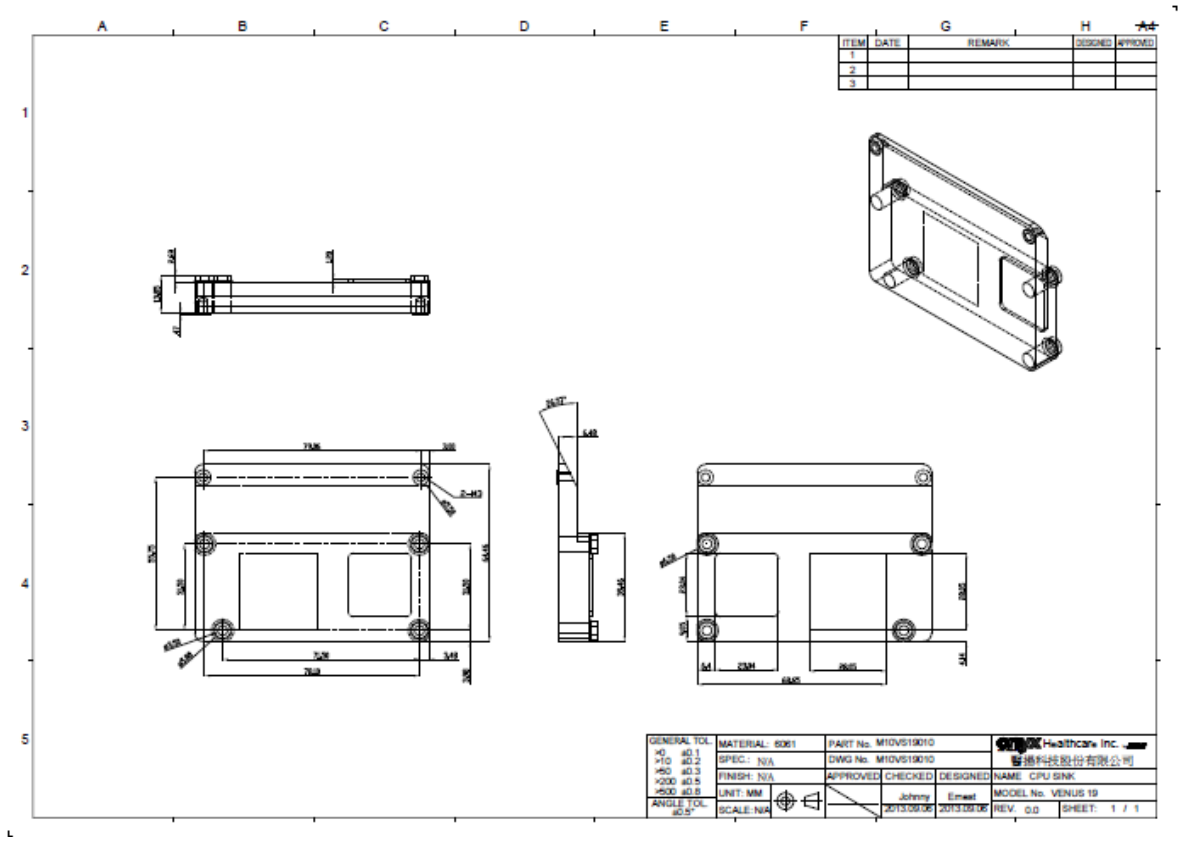
Diagrams ID 4-02



Diagrams ID 4-02



Diagrams ID 4-05



Miscellaneous ID 7-01

Environmental conditions

Temperature	
10~40°(Operating)	-20~60°C(Transport / Storage)
Humidity	
30~75%(Operating)	10~90%(Transport / Storage)
Pressure	
700~1060hPa(Operating)	700~1060hPa(Transport / Storage)