



CERTIFICATE OF ACCREDITATION

This is to attest that

CSA GROUP

13799 COMMERCE PARKWAY
RICHMOND, BRITISH COLUMBIA V6V 2N9, CANADA

Testing Laboratory TL-270

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories* as well as the *FDA ASCA Pilot specifications* and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date January 21, 2021



A handwritten signature in black ink that reads 'Raj Nathan'.

President

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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CSA GROUP

www.csagroup.org

Contact Name Abdool Azaad

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Accredited to ISO/IEC 17025:2017

Effective Date January 21, 2021

FDA ASCA Pilot Program

FDA ASCA Pilot Program Scope

Basic Safety and Essential Performance of Medical Electrical Equipment, Medical Electrical Systems and Laboratory Medical Equipment	
ANSI AAMI ES60601-1:2005/(R)2012 and A1:2012, C1:2009/(R)2012 and A2:2010/(R)2012 (Consolidated Text)	Medical electrical equipment – Part 1: General requirements for basic safety and essential performance (IEC 60601-1:2005, MOD)
ANSI AAMI HA60601-1-11:2015	Medical Electrical Equipment -- Part 1-11: General requirements for basic safety and essential performance -- Collateral Standard: Requirements for medical electrical equipment and medical electrical equipment and medical electrical systems used in the home healthcare environment (IEC 60601-1-11:2015 MOD)
ANSI AAMI IEC 60601-1-8:2006 and A1:2012	Medical Electrical Equipment - Part 1-8: General requirements for basic safety and essential performance - Collateral Standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems.
ANSI AAMI IEC 60601-2-16:2018	Medical electrical equipment - Part 2-16: Particular requirements for basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment
ANSI AAMI IEC 60601-2-25:2011/(R)2016	Medical electrical equipment - Part 2-25: Particular requirements for the basic safety and essential performance of electrocardiographs
ANSI AAMI IEC 60601-2-27:2011/(R)2016	Medical electrical equipment - Part 2-27: Particular requirements for the basic safety and essential performance of electrocardiographic monitoring equipment
ANSI AAMI IEC 60601-2-47:2012/(R)2016	Medical electrical equipment -- Part 2-47: Particular requirements for the basic safety and essential performance of ambulatory electrocardiographic systems
ANSI AAMI IEC 60601-2-50:2009/A1:2016	Medical electrical equipment - Part 2-50: Particular requirements for the basic safety and essential performance of infant phototherapy equipment [Including: Amendment 1 (2016)]
ANSI AAMI IEC 80601-2-30:2009 & A1:2013 (R2016)	Medical electrical equipment - Part 2-30: Particular requirements for the basic safety and essential performance of automated non-invasive sphygmomanometers
ANSI AAMI IEC 80601-2-30:2018	Medical electrical equipment - Part 2-30: Particular requirements for basic safety and essential performance of automated type non-invasive sphygmomanometers

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ANSI AAMI IEC 80601-2- 35:2009/A1:2016	Medical electrical equipment - Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads or mattresses and intended for heating in medical use
IEC 60601-1-3 Edition 2.1 2013-04	Medical electrical equipment - Part 1-3: General requirements for basic safety and essential performance - Collateral Standard: Radiation protection in diagnostic X-ray equipment
IEC 60601-1-6 Edition 3.1 2013-10	Medical electrical equipment - Part 1-6: General requirements for basic safety and essential performance - Collateral standard: Usability
IEC 60601-1-6 Edition 3.2 2020-07 CONSOLIDATED VERSION	Medical electrical equipment - Part 1-6: General requirements for basic safety and essential performance - Collateral standard: Usability
IEC 60601-1-8 Edition 2.1 2012-11	Medical electrical equipment - Part 1-8: General requirements for basic safety and essential performance - Collateral Standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems
IEC 60601-1-8 Edition 2.2 2020-07 CONSOLIDATED VERSION	Medical electrical equipment - Part 1-8: General requirements for basic safety and essential performance - Collateral Standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems
IEC 60601-1-10 Edition 1.1 2013-11	Medical electrical equipment - Part 1-10: General requirements for basic safety and essential performance - Collateral Standard: Requirements for the development of physiologic closed-loop controllers
IEC 60601-1-10 Edition 1.2 2020-07 CONSOLIDATED VERSION	Medical electrical equipment - Part 1-10: General requirements for basic safety and essential performance - Collateral Standard: Requirements for the development of physiologic closed-loop controllers
IEC 60601-1-11 Edition 2.0 2015-01	Medical electrical equipment - Part 1-11: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment
IEC 60601-1-11 Edition 2.1 2020-07 CONSOLIDATED VERSION	Medical electrical equipment - Part 1-11: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment
IEC 60601-1-12 Edition 1.1 2020-07 CONSOLIDATED VERSION	Medical electrical equipment - Part 1-12: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment
IEC 60601-1-12 Edition 1.0 2014-06	Medical electrical equipment - Part 1-12: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment
IEC 60601-2-5: Edition 3.0 2009-07	Medical electrical equipment - Part 2-5: Particular requirements for the basic safety and essential performance of ultrasonic physiotherapy equipment

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IEC 60601-2-10 Edition 2.1 2016-04	Medical electrical equipment - Part 2-10: Particular requirements for the basic safety and essential performance of nerve and muscle stimulators
IEC 60601-2-16 Edition 5.0 2018-4	Medical electrical equipment - Part 2-16: Particular requirements for the basic safety and essential performance of haemodialysis, haemodiafiltration and haemonfiltration equipment
IEC 60601-2-18: Edition 3.0 2009-08	Medical electrical equipment - Part 2-18: Particular requirements for the basic safety and essential performance of endoscopic equipment
IEC 60601-2-22 Edition 3.1 2012-10	Medical electrical equipment - Part 2-22: Particular requirements for basic safety and essential performance of surgical cosmetic therapeutic and diagnostic laser equipment
IEC 60601-2-25 Edition 2.0 2011-10	Medical electrical equipment - Part 2-25: Particular requirements for the basic safety and essential performance of electrocardiographs
IEC 60601-2-27 Edition 3.0 2011-03	Medical electrical equipment - Part 2-27: Particular requirements for the basic safety and essential performance of electrocardiographic monitoring equipment [Including: Corrigendum 1 (2012)]
IEC 60601-2-34 Edition 3.0 2011-05	Medical electrical equipment - Part 2-34: Particular requirements for the basic safety, including essential performance, of invasive blood pressure monitoring equipment
IEC 60601-2-37 Edition 2.1 2015	Medical electrical equipment - Part 2-37: Particular requirements for the basic safety and essential performance of ultrasonic medical diagnostic and monitoring equipment
IEC 60601-2-47 Edition 2.0 2012-02	Medical electrical equipment - Part 2-47: Particular requirements for the basic safety and essential performance of ambulatory electrocardiographic systems
IEC 60601-2-50 Edition 2.1 2016-04	CONSOLIDATED VERSION Medical electrical equipment - Part 2-50: Particular requirements for the basic safety and essential performance of infant phototherapy equipment [Including: Amendment 1 (2016)]
IEC 60601-2-50 Edition 3.0 2020-09	Medical electrical equipment - Part 2-50: Particular requirements for the basic safety and essential performance of infant phototherapy equipment
IEC 61010-1 Edition 3.1 2017-01	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
IEC 80601-2-30 Edition 1.1 2013-07	Medical electrical equipment - Part 2-30: Particular requirements for the basic safety and essential performance of automated non-invasive sphygmomanometers
IEC 80601-2-30: Edition 2.0 2018-03	Medical electrical equipment - Part 2-30: Particular requirements for the basic safety and essential performance of automated non-invasive sphygmomanometers
IEC 80601-2-35 Edition 2.1 2016-04	CONSOLIDATED VERSION Medical electrical equipment-Part - 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads or mattresses and intended for heating in medical use [Including: Amendment 1 (2016)]
ISO 80601-2-56 Second edition 2017-03	Medical electrical equipment – part 2-56: particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement [Including: Amendment 1 (2018)].
ISO 80601-2-61 Second edition 2017-12	Medical electrical equipment - part 2-61: particular requirements for basic safety and essential performance of pulse oximeter equipment

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(Corrected version 2018-02)	
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Regular Scope

Electrical and Electronics	
AAMI ES 60601-1	Medical electrical equipment – Part 1: general requirements for basic safety and essential performance
AAMI HA60601-1-11	Medical electrical equipment — part 1-11: general requirements for basic safety and essential performance – collateral standard: requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment
ANSI/ISA S 82.01	General requirements: electric and electronic test, measuring, controlling, and related equipment
ANSI/ISA S 82.03	Safety standard for electrical and electronic test, measuring, controlling and related equipment
CSA 60950-1	Information technology equipment - safety - part 1: General requirements
CSA 60950-21	Information technology equipment - safety - part 21: Remote power feeding
CSA 60950-22	Information technology equipment – safety – part 22: equipment to be installed outdoors
CSA 60950-23	Information technology equipment safety part 23: large data storage equipment
CSA 61010-1	Safety requirements for electrical equipment for measurement, control, and laboratory use - part 1: general requirements
CSA 61010-2-010	Safety requirements for electrical equipment for measurement, control and laboratory use - part 2-010: particular requirements for laboratory equipment for the heating of materials
CSA 61010-2-030	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-030: particular requirements for equipment having testing or measuring circuits
CSA 61010-031	Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-031: Particular requirements for hand-held probe assemblies for electrical measurement and test
CSA 61010-2-032	Safety requirements for electrical equipment for measurement, control and laboratory use - part 2-032: particular requirements for hand-held and hand-manipulated current sensors for electrical test and measurement
CSA 61010-2-033	Safety requirements for electrical equipment for measurement, control, and laboratory use - part 2-033: particular requirements for hand-held multimeters and other meters, for domestic and professional use, capable of measuring mains voltage

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CSA 61010-2-040	Safety requirements for electrical equipment for measurement, control, and laboratory use - part 2-040: particular requirements for sterilizers and washer-disinfectors used to treat medical materials
CSA 61010-2-051	Safety requirements for electrical equipment for measurement, control and laboratory use - part 2-051: particular requirements for laboratory equipment for mixing and stirring
CSA 61010-2-081	Safety requirements for electrical equipment for measurement, control and laboratory use – part 2-081: particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes
CSA 61010-2-101	Safety requirements for electrical equipment for measurement, control and laboratory use – part 2-101: particular requirements for in vitro diagnostic (IVD) medical equipment
CSA 61010-2-201	Safety requirements for electrical equipment for measurement, control, and laboratory use - part 2-201: particular requirements for control equipment
CSA 62109-1	Safety of power converters for use in photovoltaic power systems – Part 1: General requirements
CSA 62109-2	Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters
CSA C22.2 NO. 0.4	Bonding of electrical equipment
CSA C22.2 NO. 0.8	Safety functions incorporating electronic technology
CSA C22.2 NO. 0.17	Evaluation of properties of polymeric materials
CSA C22.2 NO. 8.0	Electromagnetic interference (EMI) filters
CSA C22.2 NO. 9.0	General requirements for luminaires
CSA C22.2 NO. 12	Portable luminaires
CSA C22.2 NO. 14	Industrial control equipment
CSA C22.2 NO. 18	Outlet boxes, conduit boxes, fittings and associated hardware
CSA C22.2 NO. 21	Cord sets and power-supply cords
CSA C22.2 NO. 26	Construction and test of wireways, auxiliary gutters, and associated fittings
CSA C22.2 NO. 29	Panelboards and enclosed panelboards
CSA C22.2 NO. 37	Decorative lighting products
CSA C22.2 NO. 40	Cutout, junction and pull boxes
CSA C22.2 NO. 42	General use receptacles, attachment plugs, and similar wiring devices
CSA C22.2 NO. 46	Electric air-heaters
CSA C22.2 NO. 55	Special use switches

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CSA C22.2 NO. 66	Specialty transformers - industrial products
CSA C22.2 NO. 66.1	Low voltage transformers - part 1: general requirements
CSA C22.2 NO. 66.2	Low voltage transformers - part 2: general purpose transformers
CSA C22.2 NO. 66.3	Low voltage transformers - part 3: class 2 and class 3 transformers
CSA C22.2 NO. 68	Motor-operated appliances (household and commercial)
CSA C22.2 NO. 74	Equipment for use with electric discharge lamps
CSA C22.2 NO. 77	Motors with inherent overheating protection
CSA C22.2 NO. 85	Rigid PVC boxes and fittings
CSA C22.2 NO. 88	Construction and test of industrial heating equipment
CSA C22.2 NO. 89	Swimming-pool luminaires, submersible luminaires, and accessories
CSA C22.2 NO. 94	Special purpose enclosures industrial products
CSA C22.2 NO. 94.1	Enclosures for electrical equipment, non-environmental considerations
CSA C22.2 NO. 94.2	Enclosures for electrical equipment, environmental considerations
CSA C22.2 NO. 98	Nonmetallic outlet boxes
CSA C22.2 NO. 100	Motors and generators
CSA C22.2 NO. 107.1	Power conversion equipment
CSA C22.2 NO. 107.2	Battery chargers
CSA C22.2 NO. 107.3	Uninterruptible power systems
CSA C22.2 NO. 108	Liquid pumps
CSA C22.2 NO. 109	Commercial cooking appliances
CSA C22.2 NO. 113	Fans and ventilators
CSA C22.2 NO. 120	Refrigeration equipment
CSA C22.2 NO. 128	Vending machines
CSA C22.2 NO. 141	Emergency lighting equipment
CSA C22.2 NO. 142	Process control equipment
CSA C22.2 NO. 149	Electrically Operated Toys
CSA C22.2 NO. 155	Electric duct heaters
CSA C22.2 NO. 158	Terminal blocks
CSA C22.2 NO. 160	Voltage and polarity testers

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CSA C22.2 NO. 182.1	Plugs, receptacles, and cable connectors of the pin and sleeve type (bi-national standard, with UL 1682)
CSA C22.2 NO. 182.2	Industrial locking type, special use attachment plugs, receptacles and connectors
CSA C22.2 NO. 182.3	Special use attachment plugs, receptacles and connectors
CSA C22.2 NO. 182.4	Plugs, receptacles and connectors for communication systems
CSA C22.2 NO. 184	Solid-state lighting controls
CSA C22.2 NO. 184.1	Solid-State dimming controls
CSA C22.2 NO. 189	High-voltage insect killers
CSA C22.2 NO. 191	Engine heaters and battery warmers
CSA C22.2 NO. 195	Motor-operated food processing appliances (household and commercial)
CSA C22.2 NO. 206	Lighting Poles
CSA C22.2 NO. 207	Portable and stationary electric signs and displays
CSA C22.2 NO. 221	Electrically heated hobby and educational type kilns
CSA C22.2 NO. 223	Power supplies with extra-low-voltage class 2 outputs
CSA C22.2 NO. 243	Vacuum cleaners, blower cleaners, and household floor finishing machines
CSA C22.2 NO. 250.0	Luminaires
CSA C22.2 NO. 250.1	Retrofit kits for luminaire conversion
CSA C22.2 NO. 250.4	Portable luminaires
CSA C22.2 NO. 250.7	Extra-Low-Voltage Landscape Lighting Systems
CSA C22.2 NO. 250.13	Light emitting diode (LED) equipment for lighting applications
CSA C22.2 NO. 250.570	Track lighting
CSA C22.2 NO. 255	Neon transformers and power supplies
CSA C22.2 NO. 601.1	Medical electrical equipment part 1: general requirements for safety
CSA C22.2 NO. 601.2.25	Medical electrical equipment - part 2-25: particular requirements for the safety of electrocardiographs
CSA C22.2 NO. 1993	Self-ballasted lamps and lamp adapters
CSA C22.2 NO. 60065	Audio, video and similar electronic apparatus - safety requirements
CSA C22.2 NO. 60601-1	Medical electrical equipment – Part 1: general requirements for basic safety and essential performance

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CSA C22.2 NO. 60601-1-1	Medical electrical equipment - part 1: general requirements for basic safety and essential performance
CSA C22.2 NO. 60601-1-4	Medical electrical equipment – part 1-4: general requirements for safety – collateral standard: programmable electrical medical systems
CSA C22.2 NO. 60601-1-6	Medical electrical equipment - part 1-6: general requirements for basic safety and essential performance - collateral standard: usability
CSA C22.2 NO. 60601-1-8	Medical electrical equipment - part 1-8: general requirements for basic safety and essential performance - collateral standard: general requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems
CSA C22.2 NO. 60601-1-9	Medical electrical equipment - part 1-9: general requirements for basic safety and essential performance - collateral standard: requirements for environmentally conscious design
CSA C22.2 NO. 60601-1-10	Medical electrical equipment - part 1-10: general requirements for basic safety and essential performance - collateral standard: requirements for the development of physiologic closed-loop controllers
CSA C22.2 NO. 60601-1-11	Medical electrical equipment - part 1-11: general requirements for basic safety and essential performance - collateral standard: requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment
CSA C22.2 NO. 60601-1-12	Medical electrical equipment - part 1-12: general requirements for basic safety and essential performance - collateral standard: requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment
CSA C22.2 NO. 60601-2-2	Medical electrical equipment — part 2-2: particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories
CSA C22.2 NO. 60601-2-4	Medical electrical equipment - part 2-4: particular requirements for the basic safety and essential performance of cardiac defibrillators
CSA C22.2 NO. 60601-2-10	Medical electrical equipment - part 2-10: particular requirements for the basic safety and essential performance of nerve and muscle stimulators
CSA C22.2 NO. 60601-2-12	Medical electrical equipment part 2-12: particular requirements for the safety of lung ventilators critical care ventilators
CSA C22.2 NO. 60601-2-14	Medical electrical equipment - part 2-3: particular requirements for the basic safety and essential performance of short-wave therapy equipment
CSA C22.2 NO. 60601-2-18	Medical electrical equipment - part 2-18: particular requirements for the basic safety and essential performance of endoscopic equipment
CSA C22.2 NO. 60601-2-22	Medical electrical equipment - part 2-22: particular requirements for basic safety and essential performance of surgical, cosmetic, therapeutic and diagnostic laser equipment

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CSA C22.2 NO. 60601-2-24	Medical electrical equipment - part 2-24: particular requirements for the basic safety and essential performance of infusion pumps and controllers
CSA C22.2 NO. 60601-2-25	Medical electrical equipment - part 2-25: particular requirements for the basic safety and essential performance of electrocardiographs
CSA C22.2 NO. 60601-2-26	Medical electrical equipment - part 2-26: particular requirements for the basis safety and essential performance of electroencephalographs
CSA C22.2 NO. 60601-2-27	Medical electrical equipment - part 2-27: particular requirements for the basic safety and essential performance of electrocardiographic monitoring equipment
CSA C22.2 NO. 60601-2-30	Medical electrical equipment – part 2-30: particular requirements for the safety, including essential performance, of automatic cycling non-invasive blood pressure monitoring equipment
CSA C22.2 NO. 60601-2-34	Medical electrical equipment - part 2-34: particular requirements for the basic safety and essential performance of invasive blood pressure monitoring equipment
CSA C22.2 NO. 60601-2-37	Medical electrical equipment - part 2-37: particular requirements for the basic safety and essential performance of ultrasonic medical diagnostic and monitoring equipment
CSA C22.2 NO. 60601-2-40	Medical electrical equipment - part 2-40: particular requirements for the safety of electromyographs and evoked response equipment
CSA C22.2 NO. 60601-2-46	Medical electrical equipment - part 2-46: particular requirements for the basic safety and essential performance of operating tables
CSA C22.2 NO. 60601-2-47	Medical electrical equipment - part 2-47: particular requirements for the basic safety and essential performance of ambulatory electrocardiographic systems
CSA C22.2 NO. 60601-2-49	Medical electrical equipment - part 2-49: particular requirements for the basic safety and essential performance of multifunction patient monitoring equipment
CSA C22.2 NO. 60601-2-50	Medical electrical equipment - part 2-50: particular requirements for the basic safety and essential performance of infant phototherapy equipment
CSA C22.2 NO. 62366-1	Medical devices – part 1: application of usability engineering to medical devices
CSA C22.2 NO. 62368-1	Audio/video, information and communication technology equipment - part 1: safety requirements
CSA C22.2 NO. 80601-2-30	Corrigendum 1 medical electrical equipment - Part 2-30: Particular requirements for the basic safety and essential performance of automated non-invasive sphygmomanometers
CSA C22.2 NO. 80601-2-35	Medical electrical equipment - part 2-35: particular requirements for the basic safety and essential performance of heating devices using blankets, pads or mattresses and intended for heating in medical use

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CSA C22.2 NO. 80601-2-56	Medical electrical equipment – part 2-56: particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement
CSA C22.2 NO. 80601-2-61	Medical electrical equipment - part 2-61: particular requirements for basic safety and essential performance of pulse oximeter equipment
IEC 60601-1	Medical electrical equipment – Part 1: general requirements for basic safety and essential performance
IEC 60601-1+A1+A2	Medical electrical equipment - part 1: general requirements for basic safety and essential performance, includes amendment no 1 and amendment no 2
IEC 60601-1-1	Medical electrical equipment - part 1: general requirements for basic safety and essential performance
IEC 60601-1-4	Medical electrical equipment – part 1-4: general requirements for safety – collateral standard: programmable electrical medical systems
IEC 60601-1-6	Medical electrical equipment - part 1-6: general requirements for basic safety and essential performance - collateral standard: usability
IEC 60601-1-8	Medical electrical equipment - part 1-8: general requirements for basic safety and essential performance - collateral standard: general requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems
IEC 60601-1-9	Medical electrical equipment - part 1-9: general requirements for basic safety and essential performance - collateral standard: requirements for environmentally conscious design
IEC 60601-1-10	Medical electrical equipment - part 1-10: general requirements for basic safety and essential performance - collateral standard: requirements for the development of physiologic closed-loop controllers
IEC 60601-1-11	Medical electrical equipment - part 1-11: general requirements for basic safety and essential performance - collateral standard: requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment
IEC 60601-1-12	Medical electrical equipment - part 1-12: general requirements for basic safety and essential performance - collateral standard: requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment
IEC 60601-2-4	Medical electrical equipment - part 2-4: particular requirements for the basic safety and essential performance of cardiac defibrillators
IEC 60601-2-5	Medical electrical equipment - part 2-5: particular requirements for the basic safety and essential performance of ultrasonic physiotherapy equipment
IEC 60601-2-10	Medical electrical equipment - part 2-10: particular requirements for the basic safety and essential performance of nerve and muscle stimulators

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IEC 60601-2--12	Medical electrical equipment part 2-12: particular requirements for the safety of lung ventilators critical care ventilators
IEC 60601-2-14	Medical electrical equipment - part 2-3: particular requirements for the basic safety and essential performance of short-wave therapy equipment
IEC 60601-2-16	Medical electrical equipment - part 2-16: particular requirements for basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment
IEC 60601-2-18	Medical electrical equipment - part 2-18: particular requirements for the basic safety and essential performance of endoscopic equipment
IEC 60601-2-22	Medical electrical equipment - part 2-22: particular requirements for basic safety and essential performance of surgical, cosmetic, therapeutic and diagnostic laser equipment
IEC 60601-2-24	Medical electrical equipment - part 2-24: particular requirements for the basic safety and essential performance of infusion pumps and controllers
IEC 60601-2-25	Medical electrical equipment - part 2-25: particular requirements for the basic safety and essential performance of electrocardiographs
IEC 60601-2-26	Medical electrical equipment - part 2-26: particular requirements for the basis safety and essential performance of electroencephalographs
IEC 60601-2-27	Medical electrical equipment - part 2-27: particular requirements for the basic safety and essential performance of electrocardiographic monitoring equipment
IEC 60601-2-30	Medical electrical equipment – part 2-30: particular requirements for the safety, including essential performance, of automatic cycling non-invasive blood pressure monitoring equipment
IEC 60601-2-34	Medical electrical equipment - part 2-34: particular requirements for the basic safety and essential performance of invasive blood pressure monitoring equipment
IEC 60601-2-37	Medical electrical equipment - part 2-37: particular requirements for the basic safety and essential performance of ultrasonic medical diagnostic and monitoring equipment
IEC 60601-2-40	Medical electrical equipment - part 2-40: particular requirements for the safety of electromyographs and evoked response equipment
IEC 60601-2-46	Medical electrical equipment - part 2-46: particular requirements for the basic safety and essential performance of operating tables
IEC 60601-2-47	Medical electrical equipment - part 2-47: particular requirements for the basic safety and essential performance of ambulatory electrocardiographic systems
IEC 60601-2-49	Medical electrical equipment - part 2-49: particular requirements for the basic safety and essential performance of multifunction patient monitoring equipment

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IEC 60601-2-50	Medical electrical equipment - part 2-50: particular requirements for the basic safety and essential performance of infant phototherapy equipment
IEC 60601-2-51	Medical electrical equipment - part 2-25: particular requirements for the basic safety and essential performance of electrocardiographs
IEC 60950-1	Information technology equipment - safety - part 1: General requirements
IEC 60950-21	Information technology equipment - safety - part 21: Remote power feeding
IEC 60950-22	Information technology equipment – safety – part 22: equipment to be installed outdoors
IEC 60950-23	Information technology equipment safety part 23: large data storage equipment
IEC 61010-1	Safety requirements for electrical equipment for measurement, control, and laboratory use - part 1: general requirements
IEC 61010-2-010	Safety requirements for electrical equipment for measurement, control and laboratory use - part 2-010: particular requirements for laboratory equipment for the heating of materials
IEC 61010-2-030	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-030: particular requirements for equipment having testing or measuring circuits
IEC 61010-031	Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-031: Particular requirements for hand-held probe assemblies for electrical measurement and test
IEC 61010-2-032	Safety requirements for electrical equipment for measurement, control and laboratory use - part 2-032: particular requirements for hand-held and hand-manipulated current sensors for electrical test and measurement
IEC 61010-2-033	Safety requirements for electrical equipment for measurement, control, and laboratory use - part 2-033: particular requirements for hand-held multimeters and other meters, for domestic and professional use, capable of measuring mains voltage
IEC 61010-2-040	Safety requirements for electrical equipment for measurement, control, and laboratory use - part 2-040: particular requirements for sterilizers and washer-disinfectors used to treat medical materials
IEC 61010-2-051	Safety requirements for electrical equipment for measurement, control and laboratory use - part 2-051: particular requirements for laboratory equipment for mixing and stirring
IEC 61010-2-081	Safety requirements for electrical equipment for measurement, control and laboratory use – part 2-081: particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes

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IEC 61010-2-101	Safety requirements for electrical equipment for measurement, control and laboratory use – part 2-101: particular requirements for in vitro diagnostic (IVD) medical equipment
IEC 61010-2-201	Safety requirements for electrical equipment for measurement, control, and laboratory use - part 2-201: particular requirements for control equipment
IEC 62109-1	Safety of power converters for use in photovoltaic power systems – Part 1: General requirements
IEC 62109-2	Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters
IEC 62040-1	Uninterruptible power systems (UPS) – part 1: general and safety requirements for UPS
IEC 62366-1	Medical devices – part 1: application of usability engineering to medical devices
IEC 62368-1	Audio/video, information and communication technology equipment – part 1: safety requirements
IEC 80601-2-30	Corrigendum 1 medical electrical equipment - Part 2-30: Particular requirements for the basic safety and essential performance of automated non-invasive sphygmomanometers
IEC 80601-2-35	Medical electrical equipment - part 2-35: particular requirements for the basic safety and essential performance of heating devices using blankets, pads or mattresses and intended for heating in medical use
IEC 80601-2-56	Medical electrical equipment – part 2-56: particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement
IEC 80601-2-61	Medical electrical equipment - part 2-61: particular requirements for basic safety and essential performance of pulse oximeter equipment
IEEE 1547	Standard for interconnecting distributed resources with electric power systems
IEEE 1547.1	Standard for conformance test procedures for equipment interconnecting distributed resources with electric power systems
UL 22	Standard for amusement and gaming machines
UL 48	Standard for electric signs
UL 50	Enclosures for electrical equipment, non-environmental considerations
UL 65	Standard for wired cabinets
UL 67	Standard for panelboards
UL 153	Portable electric luminaires

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UL 197	Standard for commercial electric cooking appliances
UL 234	Standard for low voltage lighting fixtures for use in recreational vehicles
UL 291	Standard for automated teller systems
UL 325	standard for door, drapery, gate, louver, and window operators and systems
UL 355	Standard for cord reels
UL 464	Audible signaling devices for fire alarm and signaling systems, including accessories
UL 466	Standard for electric scales
UL 498	Standard for attachment plugs and receptacles
UL 499	Standard for electric heating appliances
UL 506	Standard for specialty transformers
UL 507	Standard for electric fans
UL 508	Standard for industrial control equipment
UL 514A	Metallic outlet boxes
UL 514C	Standard for nonmetallic outlet boxes, flush-device boxes, and covers
UL 541	Standard for refrigerated vending machines
UL 544	Standard for safety medical and dental equipment
UL 676	Standard for underwater luminaires and submersible junction boxes
UL 705	Standard for power ventilators
UL 751	Standard for vending machines
UL 778	Standard for motor-operated water pumps
UL 813	Standard for commercial audio equipment
UL 869A	Reference standard for service equipment
UL 883	Standard for safety fan-coil units and room fan-heater units
UL 924	Standard for emergency lighting and power equipment
UL 935	Standard for fluorescent-lamp ballasts
UL 1004	Standard for safety electric motors
UL 1012	Standard for power units other than class 2
UL 1017	Vacuum cleaners, blower cleaners, and household floor finishing machines

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UL 1029	Standard for high-intensity-discharge lamp ballasts
UL 1042	Standard for electric baseboard heating equipment
UL 1059	Standard for terminal blocks
UL 1081	Standard for swimming pool pumps, filters, and chlorinators
UL 1088	Temporary lighting strings
UL 1241	Standard for junction boxes for swimming pool luminaires
UL 1283	Standard for electromagnetic interference filters
UL 1310	Standard for class 2 power units
UL 1419	Standard for professional video and audio equipment
UL 1436	Standard for outlet circuit testers and similar indicating devices
UL 1450	Standard for motor-operated air compressors, vacuum pumps, and painting equipment
UL 1559	Standard for insect-control equipment - electrocution type
UL 1561	Standard for dry-type general purpose and power transformers
UL 1564	Standard for industrial battery chargers
UL 1567	Standard for receptacles and switches intended for use with aluminum wire
UL 1574	Standard for track lighting systems
UL 1577	Standard for optical isolators
UL 1585	Standard for safety class 2 and class 3 transformers
UL 1594	Standard for sewing and cutting machines
UL 1635	Standard for digital alarm communicator system units
UL 1647	Standard for motor-operated massage and exercise machines
UL 1676	Standard for conductive-path and discharge-path resistors for use in radio-, video-, or television-type appliances
UL 1741	Standard for inverters, converters, controllers, and interconnection system equipment for use with distributed energy resources
UL 1778	Standard for uninterruptible power systems
UL 1812	Standard for ducted heat recovery ventilators
UL 1993	Standard for self-ballasted lamps and lamp adapters
UL 2108	Standard for low voltage lighting systems

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UL 8750	Standard for low voltage lighting systems
UL 60601-1	Medical electrical equipment – Part 1: general requirements for basic safety and essential performance
UL 60950-1	Information technology equipment - safety - part 1: General requirements
UL 60950-21	Information technology equipment - safety - part 21: Remote power feeding
UL 60950-22	Information technology equipment – safety – part 22: equipment to be installed outdoors
UL 60950-23	Information technology equipment safety part 23: large data storage equipment
UL 61010-1	Safety requirements for electrical equipment for measurement, control, and laboratory use - part 1: general requirements
UL 61010-2-010	Safety requirements for electrical equipment for measurement, control and laboratory use - part 2-010: particular requirements for laboratory equipment for the heating of materials
UL 61010-2-030	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-030: particular requirements for equipment having testing or measuring circuits
UL 61010-031	Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-031: Particular requirements for hand-held probe assemblies for electrical measurement and test
UL 61010-2-032	Safety requirements for electrical equipment for measurement, control and laboratory use - part 2-032: particular requirements for hand-held and hand-manipulated current sensors for electrical test and measurement
UL 61010-2-033	Safety requirements for electrical equipment for measurement, control, and laboratory use - part 2-033: particular requirements for hand-held multimeters and other meters, for domestic and professional use, capable of measuring mains voltage
UL 61010-2-040	Safety requirements for electrical equipment for measurement, control, and laboratory use - part 2-040: particular requirements for sterilizers and washer-disinfectors used to treat medical materials
UL 61010-2-051	Safety requirements for electrical equipment for measurement, control and laboratory use - part 2-051: particular requirements for laboratory equipment for mixing and stirring
UL 61010-2-081	Safety requirements for electrical equipment for measurement, control and laboratory use – part 2-081: particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes
UL 61010-2-101	Safety requirements for electrical equipment for measurement, control and laboratory use – part 2-101: particular requirements for in vitro diagnostic (IVD) medical equipment

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UL 61010-2-201	Safety requirements for electrical equipment for measurement, control, and laboratory use - part 2-201: particular requirements for control equipment
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UL 62368-1	Audio/video, information and communication technology equipment – part 1: safety requirements
Energy Star	
ENERGY STAR program requirements product specification for uninterruptible power Supplies (UPS)	