



INTERNATIONAL  
ACCREDITATION  
SERVICE®



## SCOPE OF ACCREDITATION

IAS Accreditation Number	TL-367
Company Name	LabTest Certification, Inc.
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Effective Date of Scope	April 26, 2018
Accreditation Standard	ISO/IEC 17025: 2005

### Electrical

ABYC A-27	Alternating current (AC) generator sets
ABYC A-28	Galvanic isolators
ABYC A-31	Battery chargers and inverters
ABYC E-2	Cathodic protection
ABYC E-11	AC and DC electrical systems on boats
ABYC H-2	Electric bilge pump systems
ABYC P-14	Propulsion control systems
ABYC P-17	Steering systems for outboard engines
ABYC P-24	Electronic/electronic propulsion control systems
ABYC P-27	Electronic/electronic steering control systems
ANSI Z21.15, Z21.17/CSA 2.7, Z21.19/1.6, Z21.20/C22.2 NO. 199	Automatic electrical controls for household and similar use part 2: particular requirements for automatic burner ignition systems and components (bi-national standard, with UL 372)
AS/NZS/UL/CSA-C22.2/IEC/EN 60065	Audio, video and similar electronic apparatus – safety requirements
AS/NZS/UL/CSA-C22.2/IEC/EN 60335-1	Safety of household and similar appliances - part 1: general requirements
AS/NZS/UL/CSA-C22.2/IEC/EN E60730-1	Automatic electrical controls – part 1: general requirements



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AS/NZS/UL/CSA-C22.2/ IEC/EN E60730-2	Automatic electrical controls for household and similar use
AS/NZS/UL/CSA-C22.2/ IEC/EN 60745-1	Hand-held motor-operated electric tools - safety – part 1: general requirements.
AS/NZS/UL/CSA-C22.2/ IEC/EN 60745-2	Hand-held motor-operated electric tools - safety
AS/NZS/UL/CSA-C22.2/ IEC/EN 60947-1	Low-voltage switchgear and control gear - part 1: general rules
AS/NZS/UL/CSA-C22.2/ IEC/EN 60947-4-1	Low-voltage switchgear and control gear - part 4-1: contactors and motor-starters – electromechanical contactors and motor-starters
AS/NZS/UL/CSA-C22.2/ IEC/EN 60950-1	Information technology equipment - safety – part 1: general requirements
AS/NZS/UL/CSA-C22.2/ IEC/EN 60950-22	Information technology equipment – safety – part 22: equipment to be installed outdoors
AS/NZS/UL/CSA-C22.2/ IEC/EN 60950-23	Information technology equipment - safety – part 23: large data storage equipment
AS/NZS/UL/CSA-C22.2/ IEC/EN 61010-1	Safety requirements for electrical equipment for measurement, control, and laboratory use general requirements
AS/NZS/UL/CSA-C22.2/ IEC/EN 61010-2	Safety requirements for electrical equipment for measurement, control and laboratory use
AS/NZS/UL/CSA-C22.2/ IEC/EN 61347-1	Lamp control gear – part 1: general and safety requirements
AS/NZS/UL/CSA-C22.2/ IEC/EN 61347-2-2	Lamp control gear - part 2-2: particular requirements for D.C. or A.C. supplied electronic step-down converters for filament lamps
AS/NZS/UL/CSA-C22.2/ IEC/EN 61347-2-3	Lamp control gear - part 2-7: particular requirements for battery supplied electronic control gear for emergency lighting (self-contained)
AS/NZS/UL/CSA-C22.2/ IEC/EN 61347-2-13	Lamp control gear - part 2-13: particular requirements for D.C. or A.C. supplied electronic control gear for LED modules
AS/NZS/UL/CSA-C22.2/ IEC/EN 62368-1	Audio/video, information and communication technology equipment - part 1: safety requirements
CAN/CSA C-814	Energy performance of ceiling fans
CAN/CSA E742	Isolating transformers and safety isolating transformers - requirements



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CAN/CSA E61347-1	Lamp control gear – part 1: general and safety requirements
CAN/CSA E61347-2-3	Lamp control gear - part 2-3: particular requirements for A.C. supplied electronic ballasts for fluorescent lamps
CAN/CSA E61347-2-13	Lamp control gear - part 2-13: particular requirements for D.C. or A.C. supplied electronic control gear for LED modules
CAN/CSA Z240 RV Series 08	Recreational vehicles
CSA 16500	Information technology - generic digital audio-visual systems
CSA C22.2 NO. 0	General requirements - Canadian electrical code, part II
CSA C22.2 NO. 0.1	General requirements for double-insulated equipment
CSA C22.2 NO. 0.4	Bonding of electrical equipment
CSA C22.2 NO. 6	Electric clocks
CSA C22.2 NO. 10	Electric floor surfacing and cleaning machines
CSA C22.2 NO. 14	Industrial control equipment
CSA C22.2 NO. 15	Electrically heated warming pads
CSA C22.2 NO. 18	Outlet boxes, conduit boxes, fittings and associated hardware
CSA C22.2 NO. 24	Temperature-indicating and -regulating equipment
CSA C22.2 NO. 29	Panelboards and enclosed panelboards
CSA C22.2 NO. 33	Construction and test of electric cranes and hoists
CSA C22.2 NO. 36	Hairdressing equipment
CSA C22.2 NO. 40	Cutout, junction and pull boxes
CSA C22.2 NO. 43	Lamp holders
CSA C22.2 NO. 53	Electric washing machines
CSA C22.2 NO. 66.1 UL 5085-1	Low voltage transformers - part 1: general requirements
CSA C22.2 NO. 66-1-06	Low voltage transformers - part 1: general requirements
CSA C22.2 NO. 66.2 UL 5085-2	Low voltage transformers - part 2: general purpose transformers
CSA C22.2 NO. 66.3 UL 5085-3	Low voltage transformers - part 3: class 2 and class 3 transformers
CSA C22.2 NO. 68	Motor-operated appliances (household and commercial)



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CSA C22.2 NO. 71.1	Portable electric tools
CSA C22.2 NO. 71.2	Electric bench tools
CSA C22.2 NO. 73	Construction and test of electrically equipped machine tools
CSA C22.2 NO. 81	Electric irons
CSA C22.2 NO. 85	Rigid PVC boxes and fittings
CSA C22.2 NO. 94	Special purpose enclosures
CSA C22.2 NO. 99	Construction and test of domestic ironing machines
CSA C22.2 NO. 100	Motors and generators
CSA C22.2 NO. 101	Electrically heated bedding appliances for household use
CSA C22.2 NO. 103	Electric fence controllers
CSA C22.2 NO. 105	Construction and test of electrical equipment for woodworking machinery
CSA C22.2 NO. 107.1	Power conversion equipment
CSA C22.2 NO. 107.2	Battery chargers
CSA C22.2 NO. 107.3 UL 1778	Uninterruptible power systems
CSA C22.2 NO. 108	Liquid pumps
CSA C22.2 NO. 110	Construction and test of electric storage-tank water heaters
CSA C22.2 NO. 112 UL 2158	Electric clothes dryers
CSA C22.2 NO. 113	Fans and ventilators
CSA C22.2 NO. 114	Diagnostic imaging and radiation therapy equipment
CSA C22.2 NO. 115	Meter-mounting devices
CSA C22.2 NO. 122	Hand-held electrically heated tools
CSA C22.2 NO. 125	Electro-medical equipment
CSA C22.2 NO. 139	Electrically operated valves
CSA C22.2 NO. 141	Emergency lighting equipment
CSA C22.2 NO. 147	Motor-operated gardening appliances
CSA C22.2 NO. 148	Electrical requirements for recreational vehicles



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CSA C22.2 NO. 149	Electrically operated toys
CSA C22.2 NO. 150	Microwave ovens
CSA C22.2 NO. 156	Solid-state speed controls
CSA C22.2 NO. 157	Intrinsically safe and non-incendive equipment for use in hazardous locations
CSA C22.2 NO. 158	Terminal blocks
CSA C22.2 NO. 164	Electric sauna heating equipment
CSA C22.2 NO. 166	Stage and studio luminaires
CSA C22.2 NO. 167	Household dishwashers
CSA C22.2 NO. 168	Commercial dishwashers
CSA C22.2 NO. 169 UL 2157	Electric clothes washing machines and extractors
CSA C22.2 NO. 173	Transformers for toy and hobby use
CSA C22.2 NO. 177	Clock-operated switches
CSA C22.2 NO. 183.1	Alternating-current (AC) electrical installations on boats
CSA C22.2 NO. 183.2	DC electrical installations on boats
CSA C22.2 NO. 184	Solid-state lighting controls
CSA C22.2 NO. 187	Electrostatic air cleaners
CSA C22.2 NO. 195	Motor operated food processing appliances (household and commercial)
CSA C22.2 NO. 205	Signal equipment
CSA C22.2 NO. 207	Portable and stationary electric signs and displays
CSA C22.2 NO. 213	Non-incendive electrical equipment for use in class I and II, division 2 and class III, divisions 1 and 2 hazardous (classified) locations
CSA C22.2 NO. 223	Power supplies with extra-low-voltage class 2 outputs
CSA C22.2 NO. 225	Telecommunication equipment
CSA C22.2 NO. 231	Audit checklist and test pack for use with C22.2 NO. 231- M89-CAN/CSA series; CSA safety requirements for electrical and electronic measuring and test equipment
CSA C22.2 NO. 234	Safety of component power supplies



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CSA C22.2 NO. 243	Vacuum cleaners, blower cleaners, and household floor finishing machines
CSA C22.2 NO. 247	Operators and systems of doors, gates, draperies and louvres
CSA C22.2 NO. 280 UL 2594 and NMX-J-677-ANCE-2013 (except cl. 52.9, 62.3)	Electric vehicle supply equipment
CSA C22.2 NO. 286	Industrial control panels and assemblies
CSA E61558-1	Safety of power transformers, power supplies, reactors and similar products - part 1: general requirements and tests
CSA E61558-2-6	Safety of power transformers, power supply units and similar - part 2: particular requirements for safety isolating transformers for general use
CSA F378	Solar collectors
EN 28846	Small craft - electrical devices - protection against ignition of surrounding flammable gases
EN 28848	Small craft – remote steering systems
EN 28849	Small craft – electrically operated direct-current bilge-pumps
EN 29775	Small craft- remote steering systems for single outboard motors of 15 kW to 40 kW power
EN 50295	Low-voltage switch gear and control gear - controller and device interface systems - actuator sensor interface (AS- I)
EN 50428	Switches for household and similar fixed electrical installations – collateral standard – switches and related accessories for use in home and building electronic systems (HBES)
EN 50470-1	Electricity metering equipment (A.C.) - part 1: general requirements, tests and test conditions - metering equipment (class indexes A, B and C)
EN 60092-507	Electrical installations in ships - part 507: small vessels
EN 60439-1	Low-voltage switch gear and control gear assemblies - type-tested and partially type-tested assemblies
EN 60669-2-1	Switches for household and similar fixed electrical installations part 2-1: particular requirements – electronic switches



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EN 60669-2-2	Switches for household and similar fixed electrical installations - part 2-2: particular requirements - electromagnetic remote-control switches (RCS)
EN 60669-2-3	Switches for household and similar fixed electrical installations - part 2-3: particular requirements - time- delay switches (TDS)
EN 60730-1	Automatic electrical controls - part 1: general requirements
EN/UL 60730-2-5	Automatic electrical controls – part 2-5: particular requirements for automatic electrical burner control systems
EN/UL 60730-2-6	Automatic electrical controls – part 2-6: particular requirements for automatic electrical pressure sensing controls including mechanical requirements
EN/UL 60730-2-7	Automatic electrical controls – part 2-7: particular requirements for timers and time switches
EN/UL 60730-2-8	Automatic electrical controls for household and similar use - part 2-8: particular requirements for electrically operated water valves, including mechanical requirements
EN/UL 60730-2-9	Automatic electrical controls – part 2-9: particular requirements for temperature sensing control
EN/UL 60730-2-11	Automatic electrical controls for household and similar use - part 2-11: particular requirements for energy regulators
EN/UL 60730-2-13	Automatic electrical controls for household and similar use - part 2-13: particular requirements for humidity sensing controls
EN/UL 60730-2-14	Automatic electrical controls for household and similar use - part 2: particular requirements for electric actuators
EN/UL 60730-2-18	Automatic electrical controls for household and similar use - part 2: particular requirements for automatic electrical water and air flow sensing controls, including mechanical requirements
EN 60945	Maritime navigation and radio communication equipment and systems - general requirements - methods of testing and required test results
EN/ISO 8849	Small craft -- electrically operated direct-current bilge pumps
EN/ISO 9097:1994/A1	Small craft - electric fans
EN/ISO 10133	Small craft -- electrical systems -- extra-low-voltage D.C. installations



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EN/ISO 13297	Small craft -- electrical systems -- alternating current installations
FCC Part 15	Radio frequency devices
FCC Part 18	Industrial, scientific, and medical equipment devices
GB 2313	Ballasts for tubular fluorescent lamps general and safety requirements
GB 4943-1	Information technology equipment - Safety - Part 1 : General requirements
GB 8898	Audio, video and similar electronic apparatus – safety requirements
GB 14045	Ballasts for discharge lamps (excluding tubular fluorescent lamps) general and safety requirements
GB 15143	A.C supplied electronic ballasts for tubular fluorescent lamps – general and safety requirements
GB/T 17618	Information technology equipment - immunity characteristics - limits and methods of measurement
HKTA 1001	Performance specification for single-sideband radiotelephone transmitting and receiving equipment operating in the frequency band 1.605 MHz to 27.5 MHz for voluntary fitting in small craft
HKTA 1005	Performance specification for angle modulated VHF maritime band radio equipment for voluntary fitting in small craft
HKTA 1007	Performance specification for the limits and methods of measurement of electromagnetic disturbance characteristics of industrial, scientific and medical (ISM) radio-frequency equipment
HKTA 1022	Performance specification for 27 MHz citizen band (CB) radio transceivers for use on-board fishing vessels
ICES-001	Industrial, scientific and medical (ism) radio frequency generators
ICES-003	Information technology equipment (including digital apparatus) — limits and methods of measurement
IEC 60335-2-80 ed. 3.0	Household and similar electrical appliances - Safety – Part 2-80: Particular requirements for fans
IEC/EN 60092-101	Electrical installations in ships - part 101: definitions and general requirements





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IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-1	Household and similar electrical appliances. Safety. General requirements
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-10	Household and similar electrical appliances. Safety. Particular requirements for floor treatment machines and wet scrubbing machines
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-101	Household and similar electrical appliances. Safety. Particular requirements for vaporizers
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-102	Household and similar electrical appliances. Safety. Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-103	Household and similar electrical appliances. Safety. Particular requirements for drives for gates, doors and windows
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-105	Household and similar electrical appliances. Safety. Particular requirements for multifunctional shower cabinets
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-106	Household and similar electrical appliances. Safety. Particular requirements for heated carpets and for heating units for room heating installed under removable floor coverings
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-108	Household and similar electrical appliances. Safety. Particular requirements for electrolyzers
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-109	Household and similar electrical appliances. Safety. Particular requirements for UV radiation water treatment appliances
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-11	Household and similar electrical appliances. Safety. Particular requirements for tumble dryers
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-12	Household and similar electrical appliances. Safety. Particular requirements for warming plates and similar appliances
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-13	Household and similar electrical appliances. Safety. Particular requirements for deep fat fryers, frying pans and similar appliances
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-14	Household and similar electrical appliances. Safety. Particular requirements for kitchen machines
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-15	Household and similar electrical appliances. Safety. Particular requirements for appliances for heating liquids
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-16	Household and similar electrical appliances. Safety. Particular requirements for food waste disposers
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-17	Household and similar electrical appliances. Safety. Particular requirements for blankets, pads, clothing and similar flexible heating appliances



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IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-2	Household and similar electrical appliances. Safety. Particular requirements for vacuum cleaners and water-suction cleaning appliances
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-21	Household and similar electrical appliances. Safety. Particular requirements for storage water heaters
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-23	Household and similar electrical appliances. Safety. Particular requirements for appliances for skin or hair care
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-24	Household and similar electrical appliances. Safety. Particular requirements for refrigerating appliances, ice-cream appliances and ice makers
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-25	Household and similar electrical appliances. Safety. Particular requirements for microwave ovens, including combination microwave ovens
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-26	Household and similar electrical appliances. Safety. Particular requirements for clocks
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-27	Household and similar electrical appliances. Safety. Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-28	Household and similar electrical appliances. Safety. Particular requirements for sewing machines
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-29	Household and similar electrical appliances. Safety. Particular requirements for battery chargers
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-3	Household and similar electrical appliances. Safety. Particular requirements for electric irons
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-30	Household and similar electrical appliances. Safety. Particular requirements for room heaters
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-31	Household and similar electrical appliances. Safety. Particular requirements for range hoods and other cooking fume extractors
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-32	Household and similar electrical appliances. Safety. Particular requirements for massage appliances
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-33	Specification for safety of household and similar electrical appliances. Particular requirements. Coffee mills and coffee grinders
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-34	Household and similar electrical appliances. Safety. Particular requirements for motor-compressors
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-35	Household and similar electrical appliances. Safety. Particular requirements for instantaneous water heaters



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IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-36	Household and similar electrical appliances. Safety. Particular requirements for commercial electric cooking ranges, ovens, hobs and hob elements
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-37	Household and similar electrical appliances. Safety. Particular requirements for commercial electric deep fat fryers
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-38	Household and similar electrical appliances. Safety. Particular requirements for commercial electric griddles and griddle grills
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-4	Household and similar electrical appliances. Safety. Particular requirements for spin extractors
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-40	Household and similar electrical appliances. Safety. Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-41	Household and similar electrical appliances. Safety. Particular requirements for pumps
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-42	Household and similar electrical appliances. Safety. Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-43	Household and similar electrical appliances. Safety. Particular requirements for clothes dryers and towel rails
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-44	Household and similar electrical appliances. Safety. Particular requirements for ironers
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-45	Household and similar electrical appliances. Safety. Particular requirements for portable heating tools and similar appliances
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-47	Household and similar electrical appliances. Safety. Particular requirements for commercial electric boiling pans
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-48	Household and similar electrical appliances. Safety. Particular requirements for commercial electric grillers and toasters
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-49	Household and similar electrical appliances. Safety. Particular requirements for commercial electric appliances for keeping food and crockery warm
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-5	Household and similar electrical appliances. Safety. Particular requirements for dishwashers
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-50	Household and similar electrical appliances. Safety. Particular requirements for commercial electric bains-marie
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-51	Household and similar electrical appliances. Safety. Particular requirements for stationary circulation pumps for heating and service water installations



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IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-52	Household and similar electrical appliances. Safety. Particular requirements for oral hygiene appliances
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-53	Household and similar electrical appliances. Safety. Particular requirements for sauna heating appliances and infrared cabins
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-54	Household and similar electrical appliances. Safety. Particular requirements for surface-cleaning appliances for household use employing liquids or steam
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-55	Household and similar electrical appliances. Safety. Particular requirements for electrical appliances for use with aquariums and garden ponds
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-56	Household and similar electrical appliances. Safety. Particular requirements for projectors and similar appliances
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-58	Household and similar electrical appliances. Safety. Particular requirements for commercial electric dishwashing machines
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-59	Household and similar electrical appliances. Safety. Particular requirements for insect killers
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-6	Household and similar electrical appliances. Safety. Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-60	Household and similar electrical appliances. Safety. Particular requirements for whirlpool baths and whirlpool spas
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-61	Household and similar electrical appliances. Safety. Particular requirements for thermal-storage room heaters
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-62	Household and similar electrical appliances. Safety. Particular requirements for commercial electric rinsing sinks
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-64	Specification for safety of household and similar electrical appliances. Particular requirements for commercial electric kitchen machines
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-65	Household and similar electrical appliances. Safety. Particular requirements for air-cleaning appliances
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-66	Household and similar electrical appliances. Safety. Particular requirements for water-bed heaters
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-67	Household and similar electrical appliances. Safety. Particular requirements for floor treatment machines for commercial use
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-68	Household and similar electrical appliances. Safety. Particular requirements for spray extraction machines, for commercial use
IEC/EN/KN/AS/NZS/UL/CSA-	Household and similar electrical appliances. Safety. Particular



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C22.2 No. 60335-2-69	requirements for wet and dry vacuum cleaners, including power brush for commercial use
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-7	Household and similar electrical appliances. Safety. Particular requirements for washing machines
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-70	Household and similar electrical appliances. Safety. Particular requirements for milking machines
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-71	Household and similar electrical appliances. Safety. Particular requirements for electrical heating appliances for breeding and rearing animals
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-72	Household and similar electrical appliances. Safety. Particular requirements for floor treatment machines with or without traction drive, for commercial use
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-73	Household and similar electrical appliances. Safety. Particular requirements for fixed immersion heaters
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-74	Household and similar electrical appliances. Safety. Particular requirements for portable immersion heaters
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-75	Household and similar electrical appliances. Safety. Particular requirements for commercial dispensing appliances and vending machines
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-76	Household and similar electrical appliances. Safety. Particular requirements for electric fence energizers
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-77	Safety of household and similar appliances. Particular requirements for pedestrian-controlled walk-behind electrically powered lawn mowers
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-78	Household and similar electrical appliances. Safety. Particular requirements for outdoor barbecues
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-79	Household and similar electrical appliances. Safety. Particular requirements for high pressure cleaners and steam cleaners
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-8	Household and similar electrical appliances. Safety. Particular requirements for shavers, hair clippers and similar appliances
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-80	Household and similar electrical appliances. Safety. Particular requirements for fans
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-81	Household and similar electrical appliances. Safety. Particular requirements for foot warmers and heating mats
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-82	Household and similar electric appliances. Safety. Particular requirements for amusement machines and personal service machines



## SCOPE OF ACCREDITATION

IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-83	Household and similar electrical appliances. Safety. Particular requirements for heated gullies for roof drainage
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-84	Household and similar electrical appliances. Safety. Particular requirements for toilets
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-85	Household and similar electrical appliances. Safety. Particular requirements for fabric steamers
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-86	Household and similar electrical appliances. Safety. Particular requirements for electric fishing machines
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-87	Household and similar electrical appliances. Safety. Particular requirements for electrical animal-stunning equipment
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-88	Specification for safety of household and similar electrical appliances. Particular requirements. Particular requirements for humidifiers intended for use with heating, ventilation, or air-conditioning systems
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-89	Household and similar electrical appliances. Safety. Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant condensing unit or compressor
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-9	Household and similar electrical appliances. Safety. Particular requirements for grills, toasters and similar portable cooking appliances
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-90	Household and similar electrical appliances. Safety. Particular requirements for commercial microwave ovens
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-95	Household and similar electrical appliances. Safety. Particular requirements for drives for vertically moving garage doors for residential use
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-96	Household and similar electrical appliances. Safety. Particular requirements for flexible sheet heating elements for room heating
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-97	Household and similar electrical appliances. Safety. Particular requirements for drives for rolling shutters, awnings, blinds and similar equipment
IEC/EN/KN/AS/NZS/UL/CSA-C22.2 No. 60335-2-98	Household and similar electrical appliances. Safety. Particular requirements for humidifiers
IEC/EN 60945	Maritime navigation and radio communication equipment and systems - general requirements - methods of testing and required test results
KN 489	ElectroMagnetic Compatibility (EMC) standard for radio



# SCOPE OF ACCREDITATION

	equipment and services; Part 1: Common technical requirements
KN 60601-1-2	Requirements and test methods – medical electrical resistance test methods
NEMA 250	Enclosures for electrical equipment (1000 volts maximum)
NSF 2	Food equipment (except 6.1)
NSF 8	Commercial powered food preparation equipment (except 6.1, Annex A)
RSS-130	Mobile broadband services (MBS) equipment operating in the frequency bands 698-756 MHz and 777-787 MHz
RSS-136	General radio service equipment operating in the band 26.960 to 27.410 MHz (citizens band)
RSS-138	Commercial shipborne radar in the 2900-3100 MHz, 5470-5650 MHz and 9225-9500 MHz bands
RSS-182	Maritime radio transmitters and receivers in the band 156-162.5 MHz
RSS-187	Emergency position indicating radio beacons, emergency locator transmitters and personal locator beacons
RSS-210	License-exempt radio apparatus: category I equipment
RSS-213	2 GHz license-exempt personal communications services (LE-PCS) devices
RSS-215	Analogue scanner receivers
RSS-243	Medical devices operating in the 401–406 MHz frequency band
RSS-310	License-exempt radio apparatus: category II equipment
UL 48	Standard for electric signs
UL 50	Enclosures for electrical equipment, non-environmental considerations
UL 73	Standard for motor-operated appliances
UL 372	Automatic electrical controls for household and similar use - part 2: particular requirements for burner ignition systems and components
UL 507	Standard for electric fans
UL 508	Standard for industrial control equipment



# SCOPE OF ACCREDITATION

UL 508A	Standard for industrial control panels
UL 676	Standard for underwater luminaires and submersible junction boxes
UL 745-1	Portable electric tools
UL 751	Standard for vending machines
UL 763	Standard for motor-operated commercial food preparing machines
UL 778	Standard for motor-operated water pumps
UL 858	Standard for household electric ranges
UL 867	Standard for electrostatic air cleaners
UL 924	Standard for emergency lighting and power equipment
UL 935	Standard for fluorescent-lamp ballasts
UL 982	Standard for motor-operated household food preparing machines
UL 987	Standard for stationary and fixed electric tools
UL 1004	Standard for safety electric motors
UL 1012	Standard for power units other than class 2
UL 1026	Standard for household electric cooking and food serving appliances
UL 1203	Standard for explosion-proof and dust-ignition-proof electrical equipment for use in hazardous (classified) locations
UL 1310	Standard for class 2 power units
UL 1431	Standard for personal hygiene and health care appliances
UL 1472	Solid-state dimming controls
UL 1563	Standard for electric spas, equipment assemblies, and associated equipment
UL 1564	Standard for industrial battery chargers
UL 1585	Standard for safety class 2 and class 3 transformers
UL 1647	Standard for motor-operated massage and exercise machines
UL 1778	Uninterruptible power systems





# SCOPE OF ACCREDITATION

UL 1993	Self-ballasted lamps and lamp adapters
UL 2594	Standard for electric vehicle supply equipment (except cl. 52.9, 62.3)
UL 5085-1	Low voltage transformers - part 1: general requirements
UL 5085-2	Low voltage transformers - part 2: general purpose transformers
UL 5085-3	Low voltage transformers - part 3: class 2 and class 3 transformers
UL 8750	Standard for light emitting diode (LED) equipment for use in lighting products
UL/CSA-C22.2 No. 60601-1	Medical electrical equipment - part 1: general requirements for safety
UL/CSA-C22.2 No. 60601-1-1	Medical electrical equipment - part 1-1: general requirements for safety - collateral standard: safety requirements for medical electrical systems
UL/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
UL/CSA 60730-1	Automatic electrical controls – part 1: general requirements
UL/CSA-C22.2 No. 60745-1	Hand-held motor-operated electric tools - safety - part 1: general requirements
UL/CSA-C22.2 No. 60745-2-1	Hand-held motor-operated electric tools - safety - part 2- 1: particular requirements for drills and impact drills
UL/CSA-C22.2 No. 60745-2-2	Hand-held motor-operated electric tools - safety - part 2- 2: particular requirements for screwdrivers and impact wrenches
UL/CSA-C22.2 No. 60745-2-4	Hand-held motor-operated electric tools - safety - part 2- 4: particular requirements for sanders and polishers other than disk type
UL/CSA-C22.2 No. 60745-2-5	Hand-held motor-operated electric tools - safety - part 2- 5: particular requirements for circular saws
UL/CSA-C22.2 No. 60745-2-6	Hand-held motor-operated electric tools - safety - part 2- 6: particular requirements for hammers
UL/CSA-C22.2 No. 60745-2-8	Hand-held motor-operated electric tools safety - part 2- 8: particular requirements for shears and nibblers



# SCOPE OF ACCREDITATION

UL/CSA-C22.2 No. 60745-2-9	Hand-held motor-operated electric tools - safety - part 2- 9: particular requirements for tappers
UL/CSA-C22.2 No. 60745-2-11	Hand-held motor-operated electric tools - safety - part 2- 11: particular requirements for reciprocating saws
UL/CSA-C22.2 No. 60745-2-14	Hand-held motor-operated electric tools - safety - part 2- 14: particular requirements for planers
UL/CSA-C22.2 No. 60745-2-17	Hand-held motor-operated electric tools - safety - part 2- 17: particular requirements for routers and trimmers
UL/CSA-C22.2 No. 60947-1	Low-voltage switch gear and control gear - part 1: general rules
UL/CSA-C22.2 No. 60947-4-1	Low-voltage switch gear and control gear - part 4-1: contactors and motor-starters - electromechanical contactors and motor-starters
UL/CSA 60950-1	Information technology equipment - safety - part 1: general requirements
UL/CSA-C22.2 No. 60950-22	Information technology equipment - safety - part 22: equipment to be installed outdoors
UL/CSA-C22.2 No. 60950-23	Information technology equipment - safety - part 23: large data storage equipment
UL/CSA 61010-1	Safety requirements for electrical equipment for measurement, control, and laboratory use - part 1: general requirements
UL/CSA 61010-2	Safety requirements for electrical equipment for measurement, control and laboratory use
UL/CSA-C22.2 No. 62368-1	Audio/video - information and communication technology equipment - part 1: safety requirements
YD/T 965	Telecommunications terminal equipment limits- safety requirements and test methods
YD/T 993	The technical requirements and test methods of over-voltages and over-currents resistibility for telecommunication terminal equipment

## Energy Star

ENERGY STAR Program requirements for computers – Partner Commitments

ENERGY STAR Program Requirements Product Specification for Computers – Eligibility Criteria Version 6.1 and Final Test Method

CAN/CSA-C62301:11 (IEC 62301:2011, MOD)

Household electrical appliances – Measurement of Standby



# SCOPE OF ACCREDITATION

power

IEC 60107-1 Third edition Methods of measurement on receivers for television broadcast transmissions – Part 1: General considerations – Measurements at radio and video frequencies

IEC 62623 Edition 1 Desktop and notebook computers – Measurement of energy consumption

Product specification for audio/video eligibility criteria

Product specification for computers eligibility criteria

Product specification for displays eligibility criteria

Product specification for imaging equipment eligibility criteria

Product specification for set-top boxes eligibility criteria

Product specification for televisions eligibility criteria

Product specification for water coolers

## Environmental

CAN/CSA C-381.2 Test method for determining the energy efficiency of battery-charging systems

CSA P4.1 Testing method for measuring annual fireplace efficiency

EN/ISO 1995/A1 Aromatic hydrocarbons -- sampling

EN/ISO 11105 Small craft -- Ventilation of petrol engine and/or petrol tank compartments

ICC ES AC156 Seismic certification by shake-table testing of nonstructural components (test methods referenced in section 6)

IEC/EN 60068-2-1 Environmental testing - part 2-1: tests - test a: cold

IEC/EN 60068-2-2 Environmental testing - part 2-2: tests - test b: dry heat

IEC/EN 60068-2-6 Environmental testing - part 2-6: tests - test Fc: vibration (sinusoidal)

IEC/EN 60068-2-11 Basic environmental testing procedures - part 2-11: tests test Ka: salt mist

IEC/EN 60068-2-13 Basic environmental testing procedures - part 2-13: tests test M: low air pressure

IEC/EN 60068-2-14 Environmental testing - part 2-14: tests - test N: change of temperature



# SCOPE OF ACCREDITATION

IEC/EN 60068-2-27	Environmental testing - part 2-27: tests - test Ea and guidance: shock
IEC/EN 60068-2-30	Environmental testing - part 2-30: tests - Test Db: damp heat, cyclic (12 h + 12 h cycle)
IEC/EN 60068-2-64	Environmental testing - part 2-64: tests - test Fh: vibration, broadband random and guidance
IEC/EN 60068-2-68	Environmental testing - part 2-68: tests - test L: dust and sand
IEC/EN 60068-2-80	Environmental testing - part 2-80: tests - test Fi: vibration - mixed mode
IMO Resolution MEPC.107 (49)	Revised guidelines and specifications for pollution prevention equipment for machinery space bilges of ships
IMO Resolution MEPC.125 (53)	Guidelines for ballast water management equivalent compliance (G3)
MIL-STD-810	Department of Defence Test Method Standards — Environmental Engineering Considerations and Laboratory Tests
MIL-STD-810: Method 500.4	Low pressure (altitude)
MIL-STD-810: Method 501.4	High temperature
MIL-STD-810: Method 502.4	Low temperature
MIL-STD-810: Method 503.4	Temperature
MIL-STD-810: Method 506.4	Rain
MIL-STD-810: Method 507.4	Humidity
MIL-STD-810: Method 510.4	Sand and dust
MIL-STD-810: Method 512.4	Immersion
MIL-STD-810: Method 514.5	Vibration
MIL-STD-810G: Method 500.5	Low pressure testing (altitude testing)
MIL-STD-810G: Method 505.5	Solar radiation (sunshine)
MIL-STD-810G: Method 508.6	Fungus
MIL-STD-810G: Method 510.5	Sand and dust testing
MIL-STD-810G: Method 516.6	Shock
NOM 019	General provisions for the cleanup and control of residues of hazardous materials and wastes in units which carry



# SCOPE OF ACCREDITATION

hazardous materials and wastes

RTCA-DO-160E

Environmental conditions and test procedures for airborne equipment (sections 4, 5, 6, 7.2, 8, 10, 12, 16, 17 and 25)

## Lighting

ANSI Z21.42

Gas-fired illuminating appliances

AS/NZS 60598.1

Luminaires - general requirements and tests

AS/NZS 60598.2.3

Luminaires - particular requirements - luminaires for road and street lighting

AS/NSZ 60598.2.5

Luminaires - particular requirements - floodlights

CAN/CSA C22.2 NO. 137

Electric luminaires for use in hazardous locations

CAN/CSA C22.2 NO. 206, 250.7, 250.13 and 256/UL 1786

Direct plug-in nightlights

CAN/CSA C22.2 NO. 1993/UL 1993/NMX-J-578/1-ANCE

Self-ballasted lamps and lamp adapters

CAN/CSA C22.2 NO. 62560:16

Self-ballasted LED-lamps for general lighting services by voltage > 50V – Safety Specifications

CSA B140.9.4-10

Portable pressurized-type, liquid petroleum fueled lamps and lanterns

CSA C22.2 NO. 9

General requirements for luminaires

CSA C22.2 NO. 12

Portable luminaires

CSA C22.2 NO. 37

Decorative lighting products

CSA C22.2 NO. 89

Swimming-pool luminaires, submersible luminaires, and accessories

CSA C22.2 NO. 224

Radiant heaters and infrared and ultraviolet lamp assemblies for cosmetic or hygienic purposes in nonmedical applications

CSA C22.2 NO. 250

Luminaires

CSA C22.2 NO. 250.1

Retrofit kits for luminaire conversion

CSA C22.2 NO. 250.4

Portable luminaires

CSA C22.2 NO. 250.570

Track lighting

CSA C22.2 NO. 250.7

Extra-low voltage landscape lighting systems

GB 7000.1

Luminaires – part 1: general requirements and tests



# SCOPE OF ACCREDITATION

GB 7000.10	Safety requirements for fixed general purpose luminaires
GB 7000.11	Safety requirements for portable general purpose luminaires
GB 7000.12	Safety requirements for recessed luminaires
IEC/EN 60598-1	Luminaires - part 1: general requirements and tests (except cl. 4.20, 4.24)
IEC/EN 60598-2-4	Luminaires - part 2: particular requirements - section 4: portable general purpose luminaires (except cl. 4.6)
IEC/EN 60598-2-22	Luminaires – part 2-22: particular requirements - luminaires for emergency lighting
UL 1598	Luminaires
UL/CSA 2388	Standard for flexible lighting products
<b>Physical</b>	
AAMA/WDMA/CSA 101/I.S.2/A440	NAFS – North American fenestration standard/specification for windows, doors, and skylights
ABS Part 4, Chapter 9, Section 7	Vessel systems and machinery - Lloyds type approval systems – test specification number 1
ABYC A-3	Recommended practices and standards for galley stoves
ABYC P-18	Cable over pulley steering systems for outboard engines
ABYC P-21	Manual hydraulic steering systems
ABYC P-22	Steering wheels
ANSI C136.31	Roadway and area lighting equipment— luminaire vibration
ANSI Z21.97	Outdoor decorative gas appliances
BV rules for classification of steel ships – part c, chapter 3, section 6.2 type approval	
CAN/CSA A440/A440.1	Window, door, and skylight installation
CAN/CSA A440S1	Canadian supplement to AAMA/WDMA/CSA 101/I.S.2/A440, NAFS - North American fenestration standard/specification for windows, doors, and skylights
CAN/CSA A440.2/A440.3	Fenestration energy performance / user guide to CSA A440.2-14, fenestration energy performance
CAN/CSA A440.4	Window, door, and skylight installation
CSA C22.2 NO. 0.17	Evaluation of properties of polymeric materials



# SCOPE OF ACCREDITATION

DNV 2.4	Environmental test specification for instrumentation and automation equipment
EN/ISO 7840	Small craft -- fire-resistant fuel hoses
EN/ISO 8847	Small craft -- steering gear -- cable and pulley systems
EN/ISO 10240	Small craft -- owner's manual
EN/ISO 10592	Small craft -- hydraulic steering systems
EN/ISO 11192	Small craft -- graphical symbols
EN/ISO 12216	Small craft -- windows, port lights, hatches, deadlights and doors -- strength and water tightness requirements
EN/ISO 13929	Small craft -- steering gear -- geared link systems
EN/ISO 15083	Small craft - bilge-pumping systems
GL VI-Part 7 Section 3	Section – b test requirements, chapter 2
IEC/EN 60695-2-2	Fire hazard testing - part 11-5: test flames - needle-flame test method - apparatus, confirmatory test arrangement and guidance
ISO 614	Ships and marine technology -- toughened safety glass panes for rectangular windows and side scuttles -- punch method of non-destructive strength testing
ISO 9806-1	Test methods for solar collectors -- part 1: thermal performance of glazed liquid heating collectors including pressure drop
ISO 9806-2	Test methods for solar collectors -- part 2: qualification test procedures
ISO 9806-3	Test methods for solar collectors -- part 3: thermal performance of unglazed liquid heating collectors (sensible heat transfer only) including pressure drop
SRCC 100-08	Test methods and minimum standards for certifying solar collectors
SRCC-150	Test methods and minimum standards for certifying innovative solar collectors
SRCC TM-1	Solar thermal component test and analysis protocol
Telcordia GR-63-CORE	NEBS requirements: physical protection (except clauses 5.2.1, 5.5)

## Plumbing



# SCOPE OF ACCREDITATION

ASME A112 Series	Plumbing fixtures (includes A112.1, A112.3, A112.4, A112.6, A112.14, A112.18, A112.19, A112.20, A112.21, A112.36, A112.1016, A112.1037)
CGA 1.3	Pressure relief device standards - part 3: stationary storage containers for compressed gases
CSA B45 Series	Plumbing fixtures (consists of B45.0, B45.1, B45.2, B45.3, B45.4, B45.5, B45.6, B45.7, B45.8 and B45.9)
CSA B125	Plumbing fittings
CSA C22.2 NO. 218.1	Spas, hot tubs, and associated equipment CSA C22.2 NO. 218.2 Hydro-massage bathtub appliances
IACS 21005	Shipbuilding and marine technology thermally toughened safety-glass panes for windows and side Scuttles
IACS E1 – E21	Requirements concerning electrical and electronic installations
UL 1795	Standard for hydro-massage bath tubs
<b>Hazardous Locations</b>	
ACRI 2001	Criteria for the evaluation and test of intrinsically safe apparatus and associated apparatus
AS/NZS/UL/CSA-C22.2/IEC/EN 60079-0	Explosive atmospheres - part 0: equipment – general requirements
AS/NZS/UL/CSA-C22.2/IEC/EN 60079-1	Explosive atmospheres - part 1: equipment protection by flameproof enclosures "d"
AS/NZS/UL/CSA-C22.2/IEC/EN 60079-2	Explosive atmospheres - part 2: equipment protection by pressurized enclosure "p"
AS/NZS/UL/CSA-C22.2/IEC/EN 60079-6	Explosive atmospheres - part 6: equipment protection by liquid immersion "o"
AS/NZS/UL/CSA-C22.2/IEC/EN 60079-7	Explosive atmospheres - part 7: equipment protection by increased safety "e"
AS/NZS/UL/CSA-C22.2/IEC/EN 60079-11	Explosive atmospheres – part 11: equipment protection by type of protection "I"
AS/NZS/UL/CSA-C22.2/IEC/EN 60079-15	Explosive atmospheres – part 15: equipment protection by





# SCOPE OF ACCREDITATION

type of protection "n"

AS/NZS/UL/CSA-C22.2/IEC/EN 60079-25

Explosive atmospheres – Part 25: intrinsically safe electrical systems

AS/NZS/UL/CSA-C22.2/IEC/EN 60079-26

Explosive atmospheres – part 26: equipment with equipment protection level (EPL) Ga

AS/NZS/UL/CSA-C22.2/IEC/EN 60079-31

Explosive atmospheres - part 31: equipment dust ignition protection by enclosure "t"

AS/NZS/CSA-C22.2/IEC/EN 60529

Degrees of protection provided by enclosures (IP code)

CAN/CSA C22.2 NO. 25

Enclosures for use in class II groups E, F and G hazardous locations

CAN/CSA C22.2 NO. 30

Explosion-proof enclosures for use in class I hazardous locations

CAN/CSA C22.2 NO. 157

Intrinsically safe and non-incendive equipment for use in hazardous locations

CAN/CSA C22.2 NO. 213

Non-incendive electrical equipment for use in class I and II, division 2 and class III, divisions 1 and 2 hazardous (classified) locations (bi-national standard with UL121201)

EN ISO 80079-36

Explosive atmospheres. Non-electrical equipment for explosive atmospheres. Basic method and requirements

EN ISO 80079-37

Explosive atmospheres. Non-electrical equipment for explosive atmospheres. Non-electrical type of protection constructional safety "c", control of ignition sources "b", liquid immersion "k"

FM 3610

Intrinsically safe apparatus and associated apparatus for use in class 1, 2 and 3, division 1, hazardous (classified) locations

FM 3611

Non-incendive electrical equipment for use in class I, and II, division 2, and class III, divisions 1 and 2, hazardous (classified) locations

FM 3615

Explosion proof electrical equipment general requirements

FM 3620

Purged and pressurized electrical equipment for (classified) locations

IEC/EN 13463-3

Non-electrical equipment for use in potentially explosive atmospheres - protection by flameproof enclosure 'd'

ISA 12.12.01

Non-incendive electrical equipment for use in class I and II,



# SCOPE OF ACCREDITATION

	division 2 and class III, divisions 1 and 2 hazardous (classified) locations
UL 913	Standard for intrinsically safe apparatus and associated for use in class I, II, III, division 1, hazardous (classified) locations
UL 60079-0	Explosive atmospheres - part 0: equipment - general requirements
UL 60079-1	Explosive atmospheres - part 1: equipment protection by flameproof enclosures "d"
UL 60079-2	Explosive atmospheres - part 2: equipment protection by pressurized enclosure "p"
UL 60079-6	Explosive atmospheres - part 6: equipment protection by liquid immersion 'o'
UL 60079-7	Electrical apparatus for explosive gas atmospheres - part 7: increased safety "e"
UL 60079-11	Explosive atmospheres - part 11: equipment protection by intrinsic safety 'I'
UL 60079-15	Electrical apparatus for explosive gas atmospheres - part 15: electrical apparatus with type of protection 'n'
UL 60079-18	Electrical apparatus for explosive gas atmospheres - part 18: encapsulation 'm'
UL 60079-25	Explosive atmospheres - part 25: intrinsically safe electrical systems
UL 60079-26	Explosive atmospheres - part 26: equipment with equipment protection level (EPL) Ga
UL 60079-31	Explosive atmospheres - part 31: equipment dust ignition protection by enclosure "t"
UL 121201	Non-incendive electrical equipment for use in class I and II, division 2 and class III, divisions 1 and 2 hazardous (classified) locations
<b>Heating/Cooling</b>	
ABYC A-7	Liquid and solid fueled boat heating systems
ABYC A-26	LPG and CNG fueled appliances equipment
ABYC A-30	Cooking appliances with integral LPG cylinders
ANSI Z21.1	Household cooking gas appliances



# SCOPE OF ACCREDITATION

ANSI Z21.8	Installation of domestic gas conversion burners
ANSI Z21.10.1/CSA 4.1	Gas water heaters volume I, storage water heaters with input ratings of 75,000 Btu per hour or less
ANSI Z21.10.3/CSA 4.3	Gas-fired water heaters volume III, storage water heaters with input ratings above 75,000 Btu per hour, circulating and instantaneous
ANSI Z21.13/CSA 4.9	Gas-fired low pressure steam and hot water boilers
ANSI Z21.50/CSA 2.22	Vented Decorative Gas Appliances
ANSI Z21.57	Recreational vehicle cooking gas appliances
ANSI Z21.58	Outdoor cooking gas appliances ANSI Z21.63/CSA 11.3 Portable type gas camp heaters ANSI Z21.72/CSA 11.2 Portable type gas camp stoves
ANSI Z21.76	Gas-fired unvented catalytic room heaters for use with liquefied petroleum (LP) gases
ANSI Z21.86/CSA 2.32	Vented gas-fired space heating appliances
ANSI Z21.88/CSA 2.33	Vented gas fireplace heaters
ANSI Z21.89/CGA1.18	Outdoor cooking specialty gas appliances
ANSI Z21.91	Vent less firebox enclosures for gas-fired unvented decorative room heaters
ANSI Z83.7/CSA 2.14	Gas-fired construction heaters
ANSI Z83.11/CSA 1.8	Gas food service equipment
ANSI Z83.26/CSA 2.37	Gas-fired outdoor infrared patio heaters
ANSI/CAN1-1.1	Household cooking gas appliances
ANSI/CAN1-2.15	Gas-fired domestic and commercial heating equipment and air conditioning
ANSI/CAN1-2.21	Gas-fired appliances for outdoor installation
ANSI/CSA HGV 4.1	Standard for hydrogen dispensing system
ANSI/UL 737	Standard for Fireplace Stoves
AS 2658	LP gas—portable and mobile appliances
AS 4551/Ag101	Domestic gas cooking appliances
AS 4553/AG 103	Gas space heating appliances



# SCOPE OF ACCREDITATION

AS 4563	Commercial catering gas equipment
BTS-2000	Method to determine efficiency of commercial space heating boilers
CAN/CSA C-300	Energy performance and capacity of household refrigerators, refrigerator-freezers, freezers, and wine chillers
CAN/CSA P.3-04	Testing method for measuring energy consumption and determining efficiencies of gas-fired storage water heaters
CAN/CSA P.4.1	Testing method for measuring annual fireplace efficiency
CGA 1.16	Cooking appliances for recreational vehicles
CGA 2.17	Gas-fired appliances for use at high altitudes
CSA B140.0	Oil-burning equipment: general requirements
CSA B140.1	Vaporizing-type oil burners
CSA B140.2.1	Atomizing-type oil burners
CSA B140.2.2	Pressure atomizing oil burner nozzles
CSA B140.3	Oil burning stoves and water heaters
CSA B140.4	Oil-fired warm air furnaces
CSA B140.7-05	Oil-burning equipment: steam and hot-water boilers
CSA B140.8	Portable industrial oil-fired heaters
CSA B140.9.3	Portable kerosene-fired heaters
CSA B140.12-03	Oil-burning equipment: service water heaters for domestic hot water, space heating, and swimming pools
CSA B212-00	Energy utilization efficiencies of oil-fired furnaces and boilers
CSA B366.1-11	Solid-fuel-fired central heating appliances
CSA B415.1-10	Performance testing of solid-fuel-burning heating appliances
CSA/CGA-3.4	Industrial and commercial gas-fired conversion burners
CSA C22.2 NO. 61	Household cooking ranges
CSA C22.2 NO. 63	Household refrigerators and freezers
CSA C22.2 NO. 64	Household cooking and liquid-heating appliances
CSA C22.2 NO. 72	Heater elements



# SCOPE OF ACCREDITATION

CSA C22.2 NO. 88	Industrial heating equipment
CSA C22.2 NO. 104 UL 998	Humidifiers
CSA C22.2 NO. 109	Commercial cooking appliances
CSA C22.2 NO. 117	Room air conditioners
CSA C22.2 NO. 165	Electric boilers
CSA C22.2 NO. 191	Engine heaters and battery warmers
CSA C22.2 NO. 217	Radiant space heating panels, panel sets and systems
CSA C22.2 NO. 236 UL 1995	Heating and cooling equipment
CSA F379	Packaged solar domestic hot water systems (liquid-to- liquid heat transfer)
EN 30-1-1	Domestic cooking appliances burning gas – part 1-1: safety - general
EN 30-1-2	Domestic cooking appliances burning gas – part 1-2: appliances having forced-convection ovens and/or grills
EN 30-1-3	Domestic cooking appliances burning gas - part 1-3: safety - appliances having a glass ceramic hotplate
EN 30-1-4	Domestic cooking appliances burning gas - part 1-4: safety - appliances having one or more burners with an automatic burner control system
EN 30-2-1	Domestic cooking appliances burning gas - part 2-1: rational use of energy - general
EN 30-2-2	Domestic cooking appliances burning gas – part 2-2: rational use of energy – appliances having forced- convection ovens and/or grills
EN 203-1	Gas heated catering equipment – Part 1: General Safety Rules
EN 203-2-1	Gas heated catering equipment – Part 2-1: Specific requirements – Open burners and wok burners
EN 203-2-2	Gas heated catering equipment – Part 2-2: Specific requirements – Ovens
EN 203-2-3	Gas heated catering equipment – Part 2-3: Specific requirements – Boiling Pans
EN 203-2-4	Gas heated catering equipment – Part 2-4: Specific



## SCOPE OF ACCREDITATION

	requirements – Fryers
EN 203-2-6	Gas heated catering equipment – Part 2-6: Specific requirements – Hot water heaters for beverage
EN 203-2-7	Gas heated catering equipment – Part 2-7: Specific requirements – Salamanders and rotisseries
EN 203-2-8	Gas heated catering equipment – Part 2-8: Specific requirements – Brat pans and paëlla cookers
EN 203-2-9	Gas heated catering equipment – Part 2-9: Specific requirements – Solid tops, warming plates and griddles
EN 203-2-10	Gas heated catering equipment – Part 2-10: Specific requirements – Chargrills
EN 203-2-11	Gas heated catering equipment – Part 2-11: Specific requirements – Pasta cookers
EN 298	Automatic burner control systems for burners and appliances burning gaseous or liquid fuels
EN 484	Specification for dedicated liquefied petroleum gas appliances – Independent hotplates, including those incorporating a grill for outdoor use
EN 498	Specification for dedicated liquefied petroleum gas appliances – Barbecues for outdoor use contact grills included
EN 12975-1	Thermal solar systems and components – solar collectors part 1: general requirements
EN 12975-2	Thermal solar systems and components – solar collectors – part 2: test methods
EN 13229	Inset appliances including open fires fired by solid fuels-requirement
EN 13240	Room heaters fired by solid fuel – requirements and test methods
EN/ISO 10239	Small craft -- liquefied petroleum gas (LPG) systems appliances
EN/ISO 14895	Small craft -- liquid-fueled galley stoves and heating
NSF 4	Commercial cooking, re-thermalization and powered hot food holding and transport equipment (except 6.4, 6.6, annex D)
UL 94	Standard for Tests for Flammability of Plastic Materials for parts in devices and Appliances



# SCOPE OF ACCREDITATION

UL 197	Standard for commercial electric cooking appliances
UL 296	Standard for oil burners
UL 499	Standard for electric heating appliances
UL 795	Standard for commercial-industrial gas heating appliances
UL 875	Standard for electric dry-bath heaters
UL 998	Humidifiers
UL 1261	Standard for electric water heaters for pools and tubs
UL 1995	Heating and cooling equipment
ULC S627	Standard for space heaters for use with solid fuels

## **Electromagnetic Compatibility**

ANSI C63.4	American national standard for methods of measurement of radio-noise emissions from low-voltage electrical and electronic equipment in the range of 9 kHz to 40 GHz
ANSI C63.7	American national standard guide for construction of test sites for performing radiated emission measurements (only to 26.5 GHz)
CNS 13438	Requirements for measurements above 1GHz and conducted emissions on telecommunication ports
CNS 13439	Sound and television broadcast receivers and associated equipment- radio disturbance characteristics – limits and methods of measurement
CNS 13783-1	Electromagnetic compatibility – requirements for household appliances, electric tools and similar apparatus – part 1: emission
CNS 13803	Limits and methods of measurement of electromagnetic interference characteristics of industrial, scientific and medical (ISM) radio-frequency equipment
CSA C22.2 NO. 8	Electromagnetic interference (EMI) filters
EN 617	Continuous handling equipment and systems - safety and EMC requirements for the equipment for the storage of bulk materials in silos, bunkers, bins and hoppers
EN 618	Continuous handling equipment and systems – safety and EMC requirements for equipment for mechanical handling of bulk materials except fixed belt conveyors



# SCOPE OF ACCREDITATION

EN 619	Continuous handling equipment and systems – safety and EMC requirements for equipment for mechanical handling of unit loads
EN 620	Continuous handling equipment and systems – safety and EMC requirements for fixed belt conveyors for bulk materials
EN 50121-3-1	Railway applications - electromagnetic compatibility – part 3-1: rolling stock – train and complete vehicle
EN 50121-3-2	Railway applications – electromagnetic compatibility – part 3-2: emission of the whole railway system to the outside world
EN 50121-4	Railway applications – electromagnetic compatibility – part 4: emission and immunity of the signaling and telecommunications apparatus
EN 50121-5	Railway applications – electromagnetic compatibility – part 5: emission and immunity of fixed power supply installations and apparatus
EN 50130-4	Alarm systems- part 4: electromagnetic compatibility – product family standard: immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems
EN 50263	Electromagnetic compatibility (EMC) - product standard for measuring relays and protection equipment
EN 50270	Electromagnetic compatibility - electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen
EN 50293	Road traffic signal systems – electromagnetic compatibility
EN 50370-1	Electromagnetic compatibility (EMC) - product family standard for machine tools - part 1: emission
EN 50370-2	Electromagnetic compatibility (EMC) - product family standard for machine tools - part 2: immunity
EN 55012	Vehicles, boats and internal combustion engines — radio disturbance characteristics — limits and methods of measurement for the protection of off-board receivers
EN 55013	Sound and television broadcast receivers and associated equipment – radio disturbance characteristics – limits and methods of measurement
EN 55103-1	Electromagnetic compatibility – product family standard for audio, video, audio-visual and entertainment lighting control





## SCOPE OF ACCREDITATION

	apparatus for professional use- part 1: emissions
EN 55103-2	Electromagnetic compatibility - product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use - part 2: immunity
EN 60204-31	Safety of machinery - electrical equipment of machines - part 31: particular safety and EMC requirements for sewing machines, units and systems
EN 60870-2-1	Tele-control equipment and systems - part 2: operating conditions - section 1: power supply and electromagnetic compatibility
EN 61204-3	Low voltage power supplies, D.C. output - part 3: electromagnetic compatibility (EMC)
EN 61326	Electrical equipment for measurement, control and laboratory use - EMC requirements - part 1: general requirements
EN 61543	Residual current-operated protective devices (RCDs) for household and similar use - electromagnetic compatibility
EN 61547	Equipment for general lighting purposes - EMC immunity requirements
EN 62040-2	Uninterruptible power systems (UPS) - part 2: electromagnetic compatibility (EMC) requirements
GB 4343.1	Electromagnetic compatibility - requirements for household appliances, electric tools and similar apparatus - part 1: emission (CISPR 14.1)
GB 4343.2	Electromagnetic compatibility - requirements for household appliances, electric tools and similar apparatus part 2: immunity (CISPR 14.2)
GB 4824	Industrial, scientific and medical (ISM) radio-frequency equipment - disturbance characteristics - limits and methods of measurement
GB 9254	Information technology equipment - radio disturbance characteristics - limits and methods of measurement
GB 13836	Cabled distribution systems for television and sound signals - part 2: electromagnetic compatibility of equipment
GB 13837(CISPR 13)	Sound and television broadcast receivers and associated equipment - radio disturbance characteristics - limits and methods of measurement
GB 17625.1	Electromagnetic compatibility - limits - limits for harmonic



## SCOPE OF ACCREDITATION

	current emissions (equipment input current = 16 A per phase)
GB 17625.2	Electromagnetic compatibility (EMC) — limits — limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated current $\leq 16$ A per phase
GB 17743	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
GB/T 9383	Sound and television broadcast receivers and associated equipment - immunity characteristics - limits and methods of measurement
GB/T 17626.2	Electromagnetic compatibility - testing and measurement techniques - electrostatic discharge immunity test
GB/T 17626.4	Electromagnetic compatibility testing and measurement techniques – electrical fast transient/burst immunity test
GB/T 17626.5	Electromagnetic compatibility testing and measurement techniques – surge immunity test
GB/T 17626.6	Testing and measurement techniques – immunity to conducted disturbances, induced by radio frequency fields
GB/T 17626.8	Electromagnetic compatibility testing and measurement techniques power frequency magnetic field immunity test
GB/T 17626.11	Electromagnetic compatibility testing and measurement techniques voltage dips, short interruptions and voltage variations immunity test
IEC/EN/AS/KN: 60601-1-2	Medical electrical equipment - part 1-2: general requirements for basic safety and essential performance - collateral standard: electromagnetic disturbances - requirements and tests
IEC/ISO/EN/AS/KN/JIS C: 61000-3-2	Electromagnetic compatibility (EMC) - part 3-2: limits - limits for harmonic current emissions (equipment input current $\leq 16$ A per phase)
IEC/EN/AS/KN/JIS C: 61000-3-3	Electromagnetic compatibility (EMC) -- part 3-3: limits - limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current $\leq 16$ A per phase and not subject to conditional connection
IEC/EN/AS/KN/JIS C: 61000-4-2	Electromagnetic compatibility (EMC) -- part 4-2: testing and measurement techniques - electrostatic discharge immunity test



# SCOPE OF ACCREDITATION

- IEC/ISO/EN/AS/KN/JIS C: 61000-4-3 Electromagnetic compatibility (EMC) -- part 4-3: testing and measurement techniques - radiation radio frequency electromagnetic field immunity test
- IEC/EN/AS/KN/JIS C: 61000-4-4 Electromagnetic compatibility (EMC) - part 4-4: testing and measurement techniques - electrical fast transient/burst immunity test
- IEC/EN/AS/KN/JIS C: 61000-4-5 Electromagnetic compatibility (EMC) – part 4-5: testing and measurement techniques - surge immunity test
- IEC/EN/AS/KN/JIS C: 61000-4-6 Electromagnetic compatibility (EMC) – part 4-6: testing and measurement techniques - immunity to conducted disturbances, induced by radio-frequency field
- IEC/EN/AS/KN/JIS C: 61000-4-8 Electromagnetic compatibility (EMC) -- part 4-8: testing and measurement techniques - power frequency magnetic field immunity test
- IEC/EN/AS/KN/JIS C: 61000-4-9 Electromagnetic compatibility (EMC) -- part 4-9: testing and measurement techniques - impulse magnetic field immunity test
- IEC/EN/AS/KN/JIS C: 61000-4-11 Electromagnetic compatibility (EMC) -- part 4-11: testing and measurement techniques - voltage dips, short interruptions and voltage variations immunity tests
- IEC/EN/AS/KN/JIS C: 61000-4-12 Electromagnetic compatibility (EMC) -- part 4-12: testing and measurement techniques - ring wave immunity test
- IEC/EN/AS/KN/JIS C: 61000-4-13 Electromagnetic compatibility (EMC) -- part 4-13: testing and measurement techniques - harmonics and inter harmonics including mains signaling at A.C. power port, low frequency immunity tests
- IEC/EN/AS/KN/JIS C: 61000-6-1 Electromagnetic compatibility (EMC) -- part 6-1: generic standards – immunity standard for residential, commercial and light-industrial environments
- IEC/EN/AS/KN/JIS C: 61000-6-2 Electromagnetic compatibility (EMC) -- part 6-2: generic standards – immunity standard for industrial environments
- IEC/EN/AS/KN/JIS C: 61000-6-3 Electromagnetic compatibility (EMC) -- part 6-3: generic standards - emission standard for residential, commercial and light-industrial environments
- IEC/EN/AS/KN/JIS C: 61000-6-4 Electromagnetic compatibility (EMC) -- part 6-4: generic standards - emission standard for industrial environments
- IEC/EN/AS/KN: 61326 Electrical equipment for measurement, control and laboratory use – EMC requirements



## SCOPE OF ACCREDITATION

JIS T 0601-1-2	Medical electrical equipment – part 1-2: general requirements for safety -- electromagnetic compatibility -- requirements and tests
KN 22	Information technology equipment – radio disturbance characteristics – limits and methods of measurement
KN 24	Information technology equipment – immunity characteristics – limits and methods of measurement
KN 301	Electromagnetic compatibility and radio spectrum matters (ERM); electromagnetic compatibility (EMC) standard for radio equipment and services; part 1: common technical requirements
MIL-STD-461E	Requirements for the control of electromagnetic interference characteristics of subsystems and equipment
MIL-STD-462D	Test method for measurement of electromagnetic interference characteristics
Telcordia GR-1089-CORE	Electromagnetic compatibility and electrical safety generic criteria for network telecommunications equipment
UL 60601-1-2	Medical electrical equipment - part 1-2: general requirements for basic safety and essential performance - collateral standard: electromagnetic disturbances - requirements and test
YD 1032	Limits and measurement methods of electromagnetic compatibility for 900/1800MHz digital cellular telecommunications system - part 1: mobile station and ancillary equipment
YD/T 968	Requirements and measurement methods of electromagnetic compatibility for telecommunication terminal equipment
YD/T 1103	Requirements and measurement methods of electromagnetic compatibility for cordless telephone

*AAMA: American Architectural Manufacturers Association ABS: American Bureau of Shipping*

*ABYC: American Boat and Yacht Council*

*ACRI: Air Conditioning, Heating, and Refrigeration Institute*

*AS: Australian Standards*

*CB: Chinese Standard for Ships*



# SCOPE OF ACCREDITATION

*CGA: Compressed Gas Association*

*CNS: Chinese National Standards*

*CSA: Canadian Standards Association*

*DNV: Det Norske Veritas*

*FCC: Federal Communications Commission*

*FM: Factory Mutual*

*GB: Chinese Mandatory National Standards*

*HKTA: Hong Kong Tourist Association*

*IACS: The International Annealed Copper Standard*

*ICES: Interference-Causing Equipment Standard*

*IMO: International Maritime Organization*

*JIS: Japanese Industrial Standards*

*KN: Korean National Standard*

*MIL-STD: United States Military Standard*

*NEMA: National Electrical Manufacturer Association*

*NOM: Norma Oficial Mexicana (Official Mexican Standard)*

*NSF: National Sanitation Foundation*

*RSS: Radio Standards Specifications*

*RTCA: Radio Technical Commission for Aeronautics*

*SRCC: Solar Rating and Certification Corporation*

*UL: Underwriters Laboratories*

*WDMA: Window and Door Manufacturers Association*

*YD: Chinese Standard for Telecommunication*