**Miami-Dade County, Florida**
**DEPARTMENT OF REGULATORY AND ECONOMIC RESOURSCES**
**BOARD AND CODE ADMINISTRATION DIVISON**
**PRODUCT CONTROL SECTION**
11805 S.W. 26 Street-Room 208
Miami, Florida 33175-2474
T (786) 315-2590 Fax (786) 315-2599

# Laboratory Certificate

MIAMI-DADE COUNTY APPROVED

**This certifies that UL LLC located at 750 Anthony Trail,Northbrook,IL 60062 is an approved Testing Laboratory in accordance with Miami-Dade County Department of Regulatory and Economic Resources and Protocol TAS301-94, and is Certified to perform the following tests:**

TAS201
TAS202
TAS203
International Accreditation Service, Inc.
Certificate No. TL-157

**Results of the above mentioned test shall be properly submitted to the Miami-Dade County *Department of Regulatory and Economic Resources* per TAS301-94, along with all other documentation required for the approval of products. Approved engineer(s) for this laboratory:**

Alexis Spyrou, P.E.

***This Certification and Registration Approved:*** **September 17, 2026**
***This Certification and Registration Expires :*** **June 10, 2031**

***Certification No.*** : **26-0820.02** *Renews: 21-0520.01*

*Helmy A. Makar, P.E., M.S.*
*Product Control Section Supervisor*
*Product Control Section*

*Americo Segura, M.S., CGC*
*Quality Assurance Unit Supervisor*
*Product Control Section*

**The Miami-Dade County *Department of Regulatory and Economic Resources* reserves the right to remove this certification for non-compliance with rules and regulations as set by Protocol TAS301-94.**

INTERNATIONAL ACCREDITATION SERVICE®

# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## UL LLC

333 PFINGSTEN ROAD
NORTHBROOK, ILLINOIS 60062, U.S.A.

**Testing Laboratory TL-157**

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories* 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 May 6, 2026

IAS ACCREDITED

International Accreditation Service
Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | www.iasonline.org

## UL LLC

www.ul.com

| Location | Address | Contact Name | Contact Phone | Scope pages |
|---|---|---|---|---|
| Main | 333 Pfingsten Rd.<br>Northbrook, IL 60062, USA | Rick A. Titus | +1-847-664-3281 | 2-44 |
| Satellite | 750 Anthony Trail<br>Northbrook, IL 60062, USA | Frank Calabrese | +1-847-664-3564 | 45-46 |

*Accredited to ISO/IEC 17025:2017* *Effective Date May 6, 2026*

| **Electrical/Electronic** | |
|---|---|
| 16 CFR 1263 | Button cell and coin batteries and consumer products containing such batteries |
| ANSI/AAMI ES60601-1 | Medical electrical equipment – part 1: general requirements for basic safety and essential performance |
| ANSI/AAMI ES60601-1:2005/(R)2012 & A1:2012, C1:2009/(R)2012 & A2:2010/(R)2012 (Cons. Text) [Incl. AMD2:2021] [19-46] | Medical electrical equipment – part 1: general requirements for basic safety and essential performance (IEC 60601-1:2005, MOD) [Including Amendment 2 (2021)] |
| ANSI/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/AAMI HA60601-1-11:2015 [Including AMD1:2021] [19-47] | 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 60601-1-11:2015 MOD) [Including Amendment1 (2021)] |
| ANSI/AAMI/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 |
| ANSI/AAMI/IEC 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 |
| ANSI/AAMI/IEC 60601-2-2:2017 [6-389] | 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 |

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| ANSI/AAMI/IEC 60601-2-16 | Medical electrical equipment – part 2-16: particular requirements for basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment |
| ANSI/AAMI/IEC 60601-2-16:2018 [9-121] | Medical electrical equipment – part 2-16: particular requirements for basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment |
| ANSI/AAMI/IEC 60601-2-19 | Medical electrical equipment – part 2-19: particular requirements for the basic safety and essential performance of infant incubators |
| ANSI/AAMI/IEC 60601-2-20 | Medical electrical equipment – part 2-20: particular requirements for the basic safety and essential performance of infant transport incubators |
| ANSI/AAMI/IEC 60601-2-21 | Medical electrical equipment – part 2-21: particular requirements for the basic safety and essential performance of infant radiant warmers |
| ANSI/AAMI/IEC 60601-2-25 | Medical electrical equipment – part 2-25: particular requirements for the basic safety and essential performance of electrocardiographs |
| ANSI/AAMI/IEC 60601-2-25:2011/(R)2016 [3-105] | Medical electrical equipment – part 2-25: particular requirements for the basic safety and essential performance of electrocardiographs |
| ANSI/AAMI/IEC 60601-2-27 | Medical electrical equipment – part 2-27: particular requirements for the basic safety and essential performance of electrocardiographic monitoring equipment |
| ANSI/AAMI/IEC 60601-2-27:2011(R)2016 [3-126] | 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 | Medical electrical equipment – part 2-47: particular requirements for the basic safety and essential performance of ambulatory electrocardiographic systems |
| ANSI/AAMI/IEC 60601-2-47:2012/(R)2016 [3-115] | 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 | Medical electrical equipment – Part 2-50: Particular requirements for the basic safety and essential performance of infant phototherapy equipment |
| ANSI/AAMI/IEC 80601-2-30 | 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 [3-123] | Medical electrical equipment – part 2-30: particular requirements for the basic safety and essential performance of automated non- invasive sphygmomanometers |
| ANSI AAMI IEC 80601-2-30:2009 & A1:2013 (R2016) | Medical electrical equipment – Part 2-30: Particular requirements for the basic safety and essential performance of automated non-invasive sphygmomanometers |
| ANSI/CAN/UL 4900 | Micromobility Charging Equipment |
| AS ISO 7240.23:2014 | Fire detection and alarm systems – part 23: visual alarm devices |
| AS 2362.25 | Fire detection, warning, control and intercom systems – Methods of test Indicator visibility test |
| AS 4428.3 | Fire Detection, Warning, Control and Intercom Systems – Control and Indicating Equipment, Part 3: Fire Brigade Panel |
| AS 4777.1 | Grid connection of energy systems via inverters – installation requirements |
| AS 4777.3 | Grid connection of energy systems via inverters – grid protection requirements |
| AS 7240.2 | Fire Detection and Alarm systems; Part 2: Control and Indicating Equipment |
| AS 7240.3 | Fire detection and alarm systems; Part 3: Audible alarm devices |
| AS 7240.4 | Fire Detection and Alarm systems; Part 2: Power Supply Equipment |
| AS 7240.5 | Fire detection and alarm systems; Part 5: Point type heat detectors |

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| AS 7240.7 | Fire detection and alarm systems; Part 7: Point-type smoke detectors using scattered light, transmitted light or ionization |
| AS 7240.13 | Fire detection and alarm systems; Part 13: Compatibility assessment of system components (ISO 7240-13:2018 (ED 2.0) MOD) |
| AS 7240.15 | Fire detection and alarm systems, Part 15: Point type fire detectors using smoke and heat sensors |
| AS 7240.17 | Fire detection and fire alarm systems Part 17: Shortcircuit isolators |
| AS 7240.18 | Fire detection and alarm systems Part 18: Input/output devices |
| AS 62040.1.1 | Uninterruptible power systems (UPS) – general and safety requirements for UPS used in operator access areas |
| CAN/CSA C22.2 NO. 60601-1 | Medical electrical equipment – part 1: general requirements for basic safety and essential performance |
| CAN/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 |
| CAN/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 |
| CAN/CSA C22.2 NO. 60601-2-16 | Medical electrical equipment – part 2-16: particular requirements for the basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment |
| CAN/CSA C22.2 NO. 60601-2-17 | Medical electrical equipment – part 2-17: particular requirements for the basic safety and essential performance of automatically-controlled brachytherapy afterloading equipment |
| CAN/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 |
| CAN/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 |
| CAN/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 |
| CAN/ULC S525 | Audible signaling devices for fire alarm and signaling systems, including accessories |
| CAN/ULC S526 | Visible signal devices for fire alarm systems, including accessories |
| CAN/ULC S527 | Control units for fire alarm systems |
| CAN/ULC S528 | Standard for manual station for fire alarm systems, including accessories |
| CAN/ULC S529 | Standard for smoke detectors for fire alarm systems |
| CAN/ULC S530 | Standard for heat actuated fire detectors for fire alarm systems |
| CAN/ULC S531 | Standard for smoke alarms |
| CAN/ULC S533 | Standard for egress door securing and releasing devices |
| CAN/ULC S536 | Standard for inspection and testing of fire alarm systems |
| CAN/ULC S537 | Standard for verification of fire alarm systems |
| CAN/ULC S541 | Speakers for fire alarm systems, including accessories |
| CAN/ULC S545 | Standard for residential fire warning system control units |
| CAN/ULC S559 | Standard for equipment for fire signal receiving centres and systems |
| CAN/ULC S576 | Standard for mass notification system equipment and accessories |
| CENELEC-EN 50104 | Electrical apparatus for the detection and measurement of oxygen – performance requirements and test methods |
| CENELEC-EN 50270 | Electromagnetic compatibility – electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen |

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| CENELEC-EN 50271 | Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen – requirements and tests for apparatus using software and/or digital technologies |
| CENELEC-EN 50303 | Group I, category M1 equipment intended to remain functional in atmospheres endangered by firedamp and/or coal dust |
| CENELEC-EN 50399 | Common test methods for cables under fire conditions – Heat release and smoke production measurement on cables during flame spread test – Test apparatus, procedures, results |
| CENELEC-EN 60079-0 | Explosive atmospheres – part 0: equipment – general requirements |
| CENELEC-EN 60079-1 | Explosive atmospheres – part 1: equipment protection by flameproof enclosures “d” |
| CENELEC-EN 60079-2 | Explosive atmospheres – part 2: equipment protection by pressurized enclosure “p” |
| CENELEC-EN 60079-5 | Explosive atmospheres – part 5: equipment protection by powder filling “q” |
| CENELEC-EN 60079-6 | Explosive atmospheres – part 6: equipment protection by liquid immersion “o” |
| CENELEC-EN 60079-7 | Explosive atmospheres – part 7: equipment protection by increased safety “e” |
| CENELEC-EN 60079-11 | Explosive atmospheres – part 11: equipment protection by intrinsic safety “i” |
| CENELEC-EN 60079-13 | Explosive atmospheres – part 13: equipment protection by pressurized room “p” |
| CENELEC-EN 60079-15 | Explosive atmospheres – part 15: equipment protection by type of protection “n” |
| CENELEC-EN 60079-18 | Explosive atmospheres – part 18: equipment protection by encapsulation “m” |
| CENELEC-EN 60079-25 | Explosive atmospheres – part 25: intrinsically safe electrical systems |
| CENELEC-EN 60079-26 | Explosive atmospheres – part 26: equipment with equipment protection level (EPL) a |
| CENELEC-EN 60079-28 | Explosive atmospheres – part 28: protection of equipment and transmission systems using optical radiation |
| CENELEC-EN 60079-29-1 | Explosive atmospheres – part 29-1: gas detectors – performance requirements of detectors for flammable gases |
| CENELEC-EN 60079-29-4 | Explosive atmospheres – part 29-4: gas detectors – performance requirements of open path detectors for flammable gases |
| CENELEC-EN 60079-30-1 | Explosive atmospheres – part 30-1: electrical resistance trace heating – general and testing requirements |
| CENELEC-EN 60079-31 | Explosive atmospheres – part 31: equipment dust ignition protection by enclosure “t” |
| CLC/TR 60079-33 | Explosive atmospheres – part 33: equipment protection by special protection ‘S’ |
| CENELEC-EN 60079-35-1 | Explosive atmospheres – part 35-1: caplights for use in mines susceptible to firedamp – general requirements – construction and testing in relation to the risk of explosion |
| CENELEC-EN 60079-35-2 | Explosive atmospheres – part 35-2: caplights for use in mines susceptible to firedamp – performance and other safety-related matters |
| CENELEC-EN 60335-1 | Household and similar electrical appliances – safety – part 1: general requirements |
| CENELEC-EN 60335-2-2 | Household and similar electrical appliances – safety – part 2-2: particular requirements for vacuum cleaners and water-suction cleaning appliances |
| CENELEC-EN 60335-2-3 | Household and similar electrical appliances – safety part 2-3: particular requirements for electric irons |

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| CENELEC-EN 60335-2-8 | Household and similar electrical appliances – safety – part 2-8: particular requirements for shavers, hair clippers and similar appliances |
| CENELEC-EN 60335-2-10 | Household and similar electrical appliances safety part 2-10: particular requirements for floor treatment machines and wet scrubbing machines |
| CENELEC-EN 60335-2-12 | Household and similar electrical appliances – safety part 2-12: particular requirements for warming plates and similar appliances |
| CENELEC-EN 60335-2-14 | Household and similar electrical appliances – safety part 2-14: particular requirements for kitchen machines |
| CENELEC-EN 60335-2-15 | Household and similar electrical appliances safety part 2-15: particular requirements for appliances for heating liquids |
| CENELEC-EN 60335-2-16 | Household and similar electrical appliances safety part 2-16: particular requirements for food waste disposers |
| CENELEC-EN 60335-2-21 | Household and similar electrical appliances - Safety - Part 2-21: Particular requirements for storage water heaters |
| CENELEC-EN 60335-2-23 | Household and similar electrical appliances – safety part 2-23: particular requirements for appliances for skin or hair care |
| CENELEC-EN 60335-2-24 | Household and similar electrical appliances – safety – part 2-24: particular requirements for refrigerating appliances, ice-cream appliances and ice makers |
| CENELEC-EN 60335-2-26 | Household and similar electrical appliances safety part 2-26: particular requirements for clocks |
| CENELEC-EN 60335-2-28 | Household and similar electrical appliances safety part 2-28: particular requirements for sewing machines |
| CENELEC-EN 60335-2-30 | Household and similar electrical appliances – safety – part 2-30: particular requirements for room heaters |
| CENELEC-EN 60335-2-31 | Household and similar electrical appliances – safety – part 2-31: particular requirements for range hoods and other cooking fume extractors |
| CENELEC-EN 60335-2-32 | Household and similar electrical appliances ± safety part 2-32: particular requirements for massage appliances |
| CENELEC-EN 60335-2-34 | Household and similar electrical appliances – safety part 2-34: particular requirements for motor-compressors |
| CENELEC-EN 60335-2-35 | Household and similar electrical appliances – safety – part 2-35: particular requirements for instantaneous water heaters |
| CENELEC-EN 60335-2-36 | Household and similar electrical appliances safety part 2-36: particular requirements for commercial electric cooking ranges, ovens, hobs and hob elements |
| CENELEC-EN 60335-2-37 | Household and similar electrical appliances – safety part 2-37: particular requirements for commercial electric deep fat fryers |
| CENELEC-EN 60335-2-38 | Household and similar electrical appliances safety part 2-38: particular requirements for commercial electric griddles and griddle grills incorporating corrigendum |
| CENELEC-EN 60335-2-39 | Household and similar electrical appliances - Safety - Part 2-39: Particular requirements for commercial electric multi-purpose cooking pans |
| CENELEC-EN 60335-2-40 | Household and similar electrical appliances – safety part 2-40: particular requirements for electrical heat pumps, air-conditioners and dehumidifiers |
| CENELEC-EN 60335-2-42 | Household and similar electrical appliances – safety part 2-42: particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens |
| CENELEC-EN 60335-2-43 | Household and similar electrical appliances – safety – part 2-43: particular requirements for clothes dryers and towel rails |

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| CENELEC-EN 60335-2-44 | Household and similar electrical appliances – safety part 2-44: particular requirements for ironers |
| CENELEC-EN 60335-2-45 | Household and similar electrical appliances – safety part 2-45: particular requirements for portable heating tools and similar appliances |
| CENELEC-EN 60335-2-47 | Household and similar electrical appliances - Safety - Part 2-47: Particular requirements for commercial electric boiling pans |
| CENELEC-EN 60335-2-48 | Household and similar electrical appliances - Safety - Part 2-48: Particular requirements for commercial electric grillers and toasters |
| CENELEC-EN 60335-2-49 | Household and similar electrical appliances – safety part 2-49: particular requirements for commercial electric appliances for keeping food and crockery warm |
| CENELEC-EN 60335-2-50 | Safety of household and similar electrical appliances part 2-50: particular requirements for commercial electric bains-marie |
| CENELEC-EN 60335-2-52 | Household and similar electrical appliances safety part 2-52: particular requirements for oral hygiene appliances |
| CENELEC-EN 60335-2-54 | Household and similar electrical appliances – safety – part 2-54: particular requirements for surface-cleaning appliances for household use employing liquids or steam |
| CENELEC-EN 60335-2-55 | Household and similar electrical appliances – safety part 2-55: particular requirements for electrical appliances for use with aquariums and garden ponds |
| CENELEC-EN 60335-2-60 | Household and similar electrical appliances – safety part 2-60: particular requirements for whirlpool baths and whirlpool spas |
| CENELEC-EN 60335-2-64 | Safety of household and similar electrical appliances part 2-64: particular requirements for commercial electric kitchen machine |
| CENELEC-EN 60335-2-67 | Household and similar electrical appliances – safety – part 2-67: particular requirements for floor treatment machines for commercial use |
| CENELEC-EN 60335-2-68 | Household and similar electrical appliances – safety – part 2-68: particular requirements for spray extraction machines, for commercial use |
| CENELEC-EN 60335-2-69 | Household and similar electrical appliances – safety – part 2-69: particular requirements for wet and dry vacuum cleaners, including power brush for commercial use |
| CENELEC-EN 60335-2-71 | Household and similar electrical appliances safety part 2-71: particular requirements for electrical heating appliances for breeding and rearing animals |
| CENELEC-EN 60335-2-72 | Household and similar electrical appliances – safety – part 2-72: particular requirements for floor treatment machines with or without traction drive, for commercial use |
| CENELEC-EN 60335-2-74 | Household and similar electrical appliances – safety part 2-74: particular requirements for portable immersion heaters |
| CENELEC-EN 60335-2-75 | Household and similar electrical appliances – safety part 2-75: particular requirements for commercial dispensing appliances and vending machines |
| CENELEC-EN 60335-2-76 | Household and similar electrical appliances – safety part 2-76: particular requirements for electric fence energizers |
| CENELEC-EN 60335-2-77 | Safety of household and similar appliances – part 2-77: particular requirements for pedestrian-controlled walk-behind electrically powered lawn mowers |
| CENELEC-EN 60335-2-78 | Household and similar electrical appliances – safety part 2-78: particular requirements for outdoor barbecues |
| CENELEC-EN 60335-2-79 | Household and similar electrical appliances – safety – part 2-79: particular requirements for high pressure cleaners and steam cleaners |
| CENELEC-EN 60335-2-80 | Household and similar electrical appliances – safety part 2-80: particular requirements for fans |

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| CENELEC-EN 60335-2-81 | Household and similar electrical appliances – safety part 2-81: particular requirements for foot warmers and heating mats |
| CENELEC-EN 60335-2-84 | Household and similar electrical appliances safety part 2-84: particular requirements for toilets |
| CENELEC-EN 60335-2-85 | Household and similar electrical appliances – safety part 2-85: particular requirements for fabric steamers |
| CENELEC-EN 60335-2-89 | Household and similar electrical appliances – safety – part 2-89: particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant condensing unit or compressor |
| CENELEC-EN 60335-2-95 | Household and similar electrical appliances – safety – part 2-95: particular requirements for drives for vertically moving garage doors for residential use |
| CENELEC-EN 60335-2-97 | Household and similar electrical appliances – safety part 2-97: particular requirements for drives for rolling shutters, awnings, blinds and similar equipment |
| CENELEC-EN 60335-2-101 | Household and similar electrical appliances – safety part 2-101: particular requirements for vaporizers |
| CENELEC-EN60335-2-102 | Household and similar electrical appliances – Safety – Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections |
| CENELEC-EN 60529 | Degrees of protection provided by enclosures (IP code) |
| CENELEC-EN 61241-2-2 | Electrical apparatus for use in the presence of combustible dust part 2: test methods section 2: method for determining the electrical resistivity of dust in layers |
| CENELEC-EN 61241-4 | Electrical apparatus for use in the presence of combustible dust part 4: type of protection “pd” |
| CENELEC-EN 61241-11 | Electrical apparatus for use in the presence of combustible dust part 11: protection by intrinsic safety “id” |
| CENELEC-EN 62013-1 | Caplights for use in mines susceptible to firedamp Part 1: General requirements – construction and testing in relation to the risk of explosion |
| CENELEC-EN IEC 60079-0 | Explosive atmospheres – part 0: equipment – general requirements |
| CENELEC-EN IEC 60079-15 | Explosive atmospheres – part 15: equipment protection by type of protection “n” |
| CSA C22.2 NO. 0.3 | Test methods for electrical wires and cables |
| EN 30-1-1: | Domestic cooking appliances burning gas – Part 1-1: Safety – General |
| EN 30-1-2: | Domestic cooking appliances burning gas – Safety – 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 – Safety – Part 1-4: 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 54-2 | Fire detection and fire alarm systems – part 2: control and indicating equipment |
| EN 54-3 | Fire detection and fire alarm systems – part 3: fire alarm devices – sounders |
| EN 54-4 | Fire detection and fire alarm systems – part 4: power supply equipment |

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| EN 54-5 | Fire detection and fire alarm systems – Part 5: heat detectors – Point detectors |
| EN 54-7 | Fire detection and fire alarm systems – part 7: smoke detectors point detectors using scattered light, transmitted light or ionization |
| EN 54-11 | Fire detection and fire alarm systems – part 11: manual call points |
| EN 54-12 | Fire detection and fire alarm systems – part 12: smoke detectors line detectors using an optical light beam |
| EN 54-13 | Fire detection and fire alarm systems - Part 13: Compatibility and connectability assessment of system components |
| EN 54-16 | Fire detection and fire alarm systems – part 16: voice alarm control and indicating equipment |
| EN 54-17 | Fire detection and fire alarm systems – part 17: short-circuit isolators |
| EN 54-18 | Fire detection and fire alarm systems – part 18: input/output devices |
| EN 54-20 | Fire detection and fire alarm systems – part 20: aspirating smoke detectors |
| EN 54-21 | Fire detection and fire alarm systems – part 21: alarm transmission and fault warning routing equipment |
| EN 54-23 | Fire detection and fire alarm systems – part 23: fire alarm devices – visual alarm devices |
| EN 54-24 | Fire detection and fire alarm systems – part 24: components of voice alarm systems – loudspeakers |
| EN 54-25 | Fire detection and fire alarm systems – part 25: components using radio links |
| EN 54-28 | Fire detection and fire alarm system- Part 28: Non-resettable line-type heat detectors |
| EN 54-29 | Fire detection and fire alarm systems - Part 29: Multi-sensor fire detectors - Point detectors using a combination of smoke and heat sensors |
| 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 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 paella 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 203-3 | Gas heated catering equipment. Materials and parts in contact with food and other sanitary aspects |
| EN 13175 | LPG Equipment and accessories – Specification and testing for Liquefied Petroleum Gas (LPG) pressure vessel valves and fittings |
| EN 14604 | Smoke alarm devices |
| EN 14986 | Design of fans working in potentially explosive atmospheres |
| EN 50130-5 | Alarm systems part 5: environmental test methods |
| EN 50131-1 | Alarm systems – intrusion and hold-up systems – part 1: system requirements |

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| EN 50131-2-2 | Alarm systems- intrusion and hold-up systems- part 2-2: intrusion detectors- passive infrared detectors |
| EN 50131-2-3 | Alarm systems – intrusion and hold-up systems – part 2-3: requirements for microwave detectors |
| EN 50131-2-4 | Alarm systems- intrusion and hold-up systems- part 2-4: requirements for combined passive infrared and microwave detectors |
| EN 50131-2-6 | Alarm systems – intrusion and hold-up systems – part 2-6: opening contacts (magnetic) |
| EN 50131-2-7-1 | Draft document – alarm systems – intrusion and hold-up systems – part 2-7-1: intrusion detectors – glass break detectors (acoustic) |
| EN 50131-2-7-2 | Alarm systems – intrusion and hold-up systems – part 2-7-2: intrusion detectors – glass break detectors (passive) |
| EN 50131-2-7-3 | Alarm systems – Intrusion and hold-up systems – part 2-7-3: intrusion detectors – glass break detectors (active) |
| EN 50131-3 | Alarm systems – intrusion and hold-up systems – part 3: control and indicating equipment |
| EN 50131-4 | Alarm systems – intrusion and hold-up systems – part 4: warning devices |
| EN 50131-5-3 | Alarm systems – intrusion systems – part 5-3: requirements for interconnections equipment using radio frequency techniques |
| EN 50131-6 | Alarm systems- intrusion and hold-up systems- part 6: power supplies |
| EN 50136 | Alarm systems – alarm transmission systems and equipment |
| EN 50136-1 | Alarm systems – alarm transmission systems and equipment – part 1: general requirements for alarm transmission systems |
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| EN 50136-1-2 | Alarm systems – alarm transmission systems and equipment – part 1-2: requirements for systems using dedicated alarm paths |
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| EN 50136-2-4 | Alarm systems – alarm transmission systems and equipment – part 2-4: requirements for equipment used in systems with voice communicators using the public switched telephone network |
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| EN 61558-2-1 | Safety of power transformers, power supplies, reactors and similar products – Part 2-1: Particular requirements and tests for separating transformers and power supplies incorporating separating transformers for general applications |
| EN 61558-2-2 | Safety of power transformers, power supplies, reactors and similar products – Part 2-2: Particular requirements and tests for control transformers and power supplies incorporating control transformers |
| EN 61558-2-4 | Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1 100 V – Part 2-4: Particular requirements and tests for isolating transformers and power supply units incorporating isolating transformers |
| EN 61558-2-6 | Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1 100 V – Part 2-6: Particular requirements and tests for safety isolating transformers and power supply units incorporating safety isolating transformers |
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| EN 61984 | Connectors – Safety requirements and tests |
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| EN 62841-1 | Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – safety – part 1: general requirements |
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| IEC 60309-1 | Plugs, socket-outlets and couplers for industrial purposes – part 1: general requirements |
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| IEC 60601-2-40 | Medical electrical equipment – part 2-40: particular requirements for the safety of electromyographs and evoked response equipment |
| IEC 60601-2-41 | Medical electrical equipment – part 2-41: particular requirements for the basic safety and essential performance of surgical luminaires and luminaires for diagnosis |
| IEC 60601-2-44 | Medical electrical equipment – part 2-44: particular requirements for the basic safety and essential performance of x-ray equipment for computed tomography |
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| 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 60601-2-54 | Medical electrical equipment – part 2-50: particular requirements for the basic safety and essential performance of infant phototherapy equipment |
| IEC 60601-2-57 | Medical electrical equipment – part 2-57: particular requirements for the basic safety and essential performance of non-laser light source equipment intended for therapeutic, diagnostic, monitoring and cosmetic/aesthetic use |
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| IEC 60601-2-62 | Medical electrical equipment – part 2-62: particular requirements for the basic safety and essential performance of high intensity therapeutic ultrasound (hitu) equipment |
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| IEC 60601-2-63 | Medical electrical equipment – part 2-63: particular requirements for the basic safety and essential performance of dental extra- oral x-ray equipment |
| IEC 60601-2-65 | Medical electrical equipment – part 2-65: particular requirements for the basic safety and essential performance of dental intra- oral x-ray equipment |
| IEC 60601-2-66 | Medical electrical equipment – part 2-66: particular requirements for the basic safety and essential performance of hearing instruments and hearing instrument systems |
| IEC 60730-1 | Automatic electrical controls - Part 1: General requirements |
| IEC 60745-1 | Hand-held motor-operated electric tools – safety – part 1: general requirements |
| IEC 60745-2-1 | Hand-held motor-operated electric tools – safety – part 2-1: Particular requirements for drills and impact drills |
| IEC 60745-2-2 | Hand-held motor-operated electric tools – safety – part 2-2: particular requirements for screwdrivers and impact wrenches |
| IEC 60745-2-3 | Hand-held motor-operated electric tools – safety – part 2-3: particular requirements for grinders, polishers and disk-type sanders |
| IEC 60745-2-4 | Hand-held motor-operated electric tools – safety – part 2-4: particular requirements for sanders and polishers other than disk type |
| IEC 60745-2-5 | Hand-held motor-operated electric tools – safety – part 2-5: particular requirements for circular saws |
| IEC 60745-2-6 | Hand-held motor-operated electric tools – safety – part 2-6: particular requirements for hammers |
| IEC 60745-2-8 | Hand-held motor-operated electric tools – safety – part 2-8: particular requirements for shears and nibblers |
| IEC 60745-2-9 | Hand-held motor-operated electric tools – safety – part 2-9: particular requirements for tappers |
| IEC 60745-2-11 | Hand-held motor-operated electric tools – safety – part 2-11: particular requirements for reciprocating saws (jig and sabre saws) |
| IEC 60745-2-12 | Hand-held motor-operated electric tools – safety – part 2-12: particular requirements for concrete vibrators |
| IEC 60745-2-14 | Hand-held motor-operated electric tools – Safety – Part 2-14: Particular requirements for planers |
| IEC 60745-2-16 | Hand-held motor-operated electric tools – safety – part 2-16: particular requirements for tackers |
| IEC 60745-2-17 | Hand-held motor-operated electric tools – safety – part 2-17: particular requirements for routers and trimmers |

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| IEC 60745-2-18 | Hand-held motor-operated electric tools – safety – part 2-18: particular requirements for strapping tools |
| IEC 60745-2-19 | Hand-held motor-operated electric tools – safety – part 2-19: particular requirements for jointers |
| IEC 60745-2-20 | Hand-held motor-operated electric tools – safety – part 2-20: particular requirements for band saws |
| IEC 60745-2-21 | Hand-held motor-operated electric tools – safety – part 2-21: particular requirements for drain cleaners |
| IEC 60950-1 | Information technology equipment – safety – part 1: general requirements (excluding annex CC) |
| IEC 61010-1 | Safety requirements for electrical equipment for measurement, control, and laboratory use – part 1: general requirements |
| IEC 61010-1 Edition 3.1 2017-01 | Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements |
| IEC 61010-1 Edition 3.1 2017-01 CONSOLIDATED VERSION [19-34] | 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 61010-2-011 | Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-011: Particular requirements for refrigerating equipment |
| IEC 61010-2-012 | Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-012: Particular requirements for climatic and environmental testing and other temperature conditioning equipment |
| IEC 61010-2-020 | Safety requirements for electrical equipment for measurement, control, and laboratory use – part 2-020: particular requirements for laboratory centrifuges |
| IEC 61010-2-030 | Safety requirements for electrical equipment for measurement, control, and laboratory use – part 2-030: particular requirements for testing and measuring circuits |
| IEC 61010-031 | Safety requirements for electrical equipment for measurement, control and laboratory use – part 031: safety 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 |

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| IEC 61010-2-061 | Safety requirements for electrical equipment for measurement, control and laboratory use – part 2-061: particular requirements for laboratory atomic spectrometers with thermal atomization and ionization |
| 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 |
| IEC 61010-2-091 | Safety requirements for electrical equipment for measurement, control and laboratory use – part 2-091: particular requirements for cabinet x-ray systems |
| 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 61241-0 | Explosive atmospheres – part 0: equipment – general requirements |
| IEC 61241-1 | Electrical apparatus for use in the presence of combustible dust part 1: protection by enclosures "td" |
| IEC 61241-1-1 | Electrical apparatus for use in the presence of combustible dust part 1-1 – electrical apparatus protected by enclosures and surface temperature limitation – specification for apparatus |
| IEC 61241-4 | Electrical apparatus for use in the presence of combustible dust part 4: type of protection "pd" |
| IEC 61241-11 | Explosive atmospheres – part 11: equipment protection by intrinsic safety "id" |
| IEC 61241-18 | Explosive atmospheres – part 18: |
| IEC 61537 | Cable management – cable tray systems and cable ladder systems |
| IEC 61558-1 | Safety of Power Transformers, Power Supplies, Reactors and Similar Products – Part 1: General Requirements and Tests |
| IEC 61558-2-1 | Safety of power transformers, power supplies, reactors and similar products – Part 2-1: Particular requirements and tests for separating transformers and power supplies incorporating separating transformers for general applications |
| IEC 61558-2-2 | Safety of Power Transformers, Power Supply Units and Similar – Part 2-2: Particular Requirements for Control Transformers |
| IEC 61558-2-4 | Safety of transformers, reactors, power supply units and combinations thereof – Part 2-4: Particular requirements and tests for isolating transformers and power supply units incorporating isolating transformers for general applications |
| IEC 61558-2-6 | Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1 100 V – Part 2-6: Particular requirements and tests for safety isolating transformers and power supply units incorporating safety isolating transformers for general applications |
| IEC 61558-2-16 | Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1 100 V – Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units |
| IEC 61779-5 | Electrical apparatus for the detection and measurement of flammable gases – part 5: performance requirements for group II apparatus indicating a volume fraction up to 100 % gas |
| IEC 61851-1 | Electric vehicle conductive charging system – Part 1: General requirements |
| IEC 61869-3 | Instrument transformers – Part 3: Additional requirements for inductive voltage transformers |
| IEC 61951-2 | Secondary cells and batteries containing alkaline or other non- acid electrolytes – portable sealed rechargeable single cells – part 2: nickel-metal hydride |

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| IEC 61960 | Secondary cells and batteries containing alkaline or other non-acid electrolytes – secondary lithium cells and batteries for portable applications |
| IEC 61984 | Connectors- safety requirements and tests |
| IEC 62040-1 | Uninterruptible power systems (UPS) – part 1: general and safety requirements for UPS |
| IEC 62086-1 | Electrical apparatus for explosive gas atmospheres – Electrical resistance trace heating – Part 1: General and testing requirements |
| 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 62109-3 | Safety of power converters for use in photovoltaic power systems – Part 3: Particular requirements for electronic devices in combination with photovoltaic elements |
| IEC 62116 | Utility-interconnected photovoltaic inverters – Test procedure of islanding prevention measures |
| IEC 62133 | Secondary cells and batteries containing alkaline or other non-acid electrolytes – safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications |
| IEC 62196-1 | Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 1: General requirements |
| IEC 62196-2 | Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 2: Dimensional compatibility and interchangeability requirements for a.c. pin and contact-tube accessories |
| IEC 62196-3 | Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 3: Dimensional compatibility and interchangeability requirements for d.c. and a.c./d.c. pin and contact-tube vehicle couplers |
| IEC 62281 | Safety of primary and secondary lithium cells and batteries during transport |
| IEC 62599-1 | Alarm systems – part 1: environmental test methods |
| IEC 62599-2 | Alarm systems – part 2: electromagnetic compatibility – immunity requirements for components of fire and security alarm systems |
| IEC 62619 | Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries, for use in industrial applications |
| IEC 62642-1 | Alarm systems – intrusion and hold-up systems – part 1: system requirements |
| IEC 62642-2-2 | Alarm systems – intrusion and hold-up systems – part 2-2: intrusion detectors – passive infrared detectors |
| IEC 62642-2-3 | Alarm systems – intrusion and hold-up systems – part 2-3: intrusion detectors – microwave detector |
| IEC 62642-2-4 | Alarm systems – intrusion and hold-up systems – part 2-4: intrusion detectors – combined passive infrared / microwave detectors |
| IEC 62642-2-6 | Alarm systems – intrusion and hold-up systems – part 2-6: intrusion detectors – opening contacts (magnetic) |
| IEC 62642-3 | Alarm systems – intrusion and hold-up systems – part 3: control and indicating equipment |
| IEC 62642-4 | Alarm systems – intrusion and hold-up systems – part 4: warning devices |
| IEC 62642-5-3 | Alarm systems – intrusion and hold-up systems – part 5-3: interconnections – requirements for equipment using radio frequency techniques |
| IEC 62642-6 | Alarm systems – intrusion and hold-up systems – part 6: power supplies |

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| IEC 62752 | In-cable control and protection device for mode 2 charging of electric road vehicles (IC-CPD) |
| IEC 62784 | Vacuum cleaners and dust extractors providing equipment protection level Dc for the collection of combustible dusts – Particular requirements |
| IEC 62841-1 | Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – safety – part 1: general requirements |
| IEC 62841-2-2 | Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – safety – part 2-2: particular requirements for hand-held screwdrivers and impact wrenches |
| IEC 62841-2-4 | Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – safety – part 2-4: particular requirements for hand-held sanders and polishers other than disc type |
| IEC 62841-2-5 | Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – safety – part 2-5: particular requirements for hand-held circular saws |
| IEC 62841-2-9 | Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – safety – part 2-9: particular requirements for hand-held tappers and threaders |
| IEC 62841-3-1 | Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – safety – part 3-1: particular requirements for transportable table saws |
| IEC 62841-3-6 | Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – safety – part 3-6: particular requirements for transportable diamond drills with liquid system |
| IEC 62841-3-9 | Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – safety – part 3-9: particular requirements for transportable mitre saws |
| IEC 80601-2-30: Edition 2.0 2018-03 [3-123] | 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 80601-2-35 Edition 2.1 2016-04 [6-390] | 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)] |
| IEC 80601-2-59 Edition 2.0 2017-09 [6-405] | Medical electrical equipment – Part 2-59: Particular requirements for the basic safety and essential performance of screening thermographs for human febrile temperature screening |
| IEC 80601-2-60 | Medical electrical equipment – part 2-60: particular requirements for the basic safety and essential performance of dental equipment |
| IEC 80601-2-60 Edition 2.0 2019-06 [4-262] | Medical electrical equipment – part 2-60: particular requirements for the basic safety and essential performance of dental equipment |
| IEC 80601-2-61 | Medical electrical equipment – part 2-61: particular requirements for basic safety and essential performance of pulse oximeter equipment |
| IEC/EN 60127-1 | Miniature fuses – Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links |
| IEC/EN 60127-2 | Miniature fuses – Part 2: Cartridge fuse-links] |

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| IEC/EN 60127-3 | Miniature fuses – Part 3: Sub-miniature fuse-links |
| IEC/EN 60127-4 | Miniature fuses Part 4: Universal modular fuse-links (UMF) – Through-hole and surface mount types |
| IEC/EN 60269-1 | Low-voltage fuses – Part 1: General requirements |
| IEC/EN 60269-4 | Low-voltage fuses – Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices |
| IEC/EN 60269-6 | Low-voltage fuses – Part 6: Supplementary requirements for fuse-links for the protection of solar photovoltaic energy systems |
| IEC/EN 60598-1 | Luminaires – Part 1: General requirements and tests |
| IEC/EN 60598-2-1 | Luminaires Part 2 Particular requirements Section One – Fixed general purpose luminaires |
| IEC/EN 60598-2-2 | Luminaires – Part 2-2: Particular requirements – Recessed luminaires – Edition 3 |
| IEC/EN 60598-2-3 | Luminaires – Part 2-3: Particular requirements – Luminaires for road and street lighting |
| IEC/EN 60598-2-4 | Luminaires – Part 2-4: Particular requirements – Portable general purpose luminaires |
| IEC/EN 60598-2-5 | Luminaires – Part 2-5: Particular requirements – Floodlights IEC/EN 60598-2-8 |
| IEC/EN 60598-2-8 | Luminaires - Part 2-8: Particular requirements - Handlamps |
| IEC/EN 60598-2-13 | Luminaires – Part 2-13: Particular requirements – Ground recessed luminaires |
| IEC EN 60839-11 | Alarm and electronic security systems – part 11-1: electronic access control systems - system and components requirements |
| IEC/EN 60947-1 | Low-voltage switchgear and controlgear – Part 1: General rules |
| IEC/EN 60947-4-2 | Low-voltage switchgear and controlgear - Part 4-2: Contactors and motor-starters - AC semiconductor motor controllers and starters |
| IEC/EN 60947-5-1 | Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices |
| IEC/EN 60947-5-2 | Low-voltage switchgear and controlgear – Part 5-2: Control circuit devices and switching elements – Proximity switches |
| IEC/EN 60947-5-5 | Low-voltage switchgear and controlgear – Part 5-5: Control circuit devices and switching elements – Electrical emergency stop device with mechanical latching function |
| IEC/EN 60947-7-1 | Low-voltage switchgear and controlgear – Part 7-1: Ancillary equipment – Terminal blocks for copper conductors |
| IEC/EN 60947-7-2 | Low-voltage switchgear and controlgear – Part 7-2: Ancillary equipment – Protective conductor terminal blocks for copper conductors |
| IEC/EN 60947-7-3 | Low-voltage switchgear and controlgear – Part 7-3: Ancillary equipment – Safety requirements for fuse terminal blocks |
| IEC/EN 60947-7-4 | Low-voltage switchgear and controlgear – Part 7-4 Ancillary equipment – PCB terminal blocks for copper conductors |
| IEC/EN 62031 | LED modules for general lighting – Safety specifications |
| IEC/EN 62368-1 | Audio/video, information and communication technology equipment – Part 1: Safety requirements |
| IEC/EN 62368-3 | Audio/video, information and communication technology equipment – Part 3: Safety aspects for DC power transfer through communication cables and ports |
| IEC/IEEE 60079-30-1 | Explosive atmospheres – part 30-1: electrical resistance trace heating – general and testing requirements |
| IEC TR 62368-2 | Audio/video, information and communication technology equipment – Part 2: Explanatory information related to IEC 62368-1:2018 |

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| IEC TS 60079-40 | Explosive atmospheres – Part 40: requirements for process sealing between flammable process fluids and electrical systems |
| IEC TS 60079-46 | Explosive atmospheres – Part 46: Equipment assemblies |
| IEEE 383 | Standard for qualifying electric cables and splices for nuclear facilities |
| IEEE 1202 | Standard for flame-propagation testing of wire & cable |
| IEEE 1547 | Standard for interconnecting distributed resources with electric power systems |
| IEEE 1547.1 | Standard conformance test procedures for |
| IEEE 1625 | Standard for rechargeable batteries for multi-cell mobile computing devices |
| IEEE 1725 | Standard for rechargeable batteries for cellular telephones |
| ISO 80079-36 | Explosive atmospheres – Part 36: Non-electrical equipment for use in explosive atmospheres – Basic methods and requirements |
| ISO 80079-37 | Explosive atmospheres – Part 37: Non-electrical equipment for use in explosive atmospheres – Non electrical type of protection constructional safety "c", control of ignition source "b", liquid immersion "h" |
| ISO 80601-2-55 | Medical Electrical Equipment – Part 2-55: Particular Requirements For The Basic Safety And Essential Performance Of Respiratory Gas Monitors |
| ISO 80601-2-55 Second edition 2018-02 [1-140] | Medical Electrical Equipment – Part 2-55: Particular Requirements For The Basic Safety And Essential Performance Of Respiratory Gas Monitors |
| ISO 80601-2-56 | Medical electrical equipment – part 2-56: particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement |
| ISO 80601-2-56 Second edition 2017-03 [6-421] | 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 (Corrected version 2018-02) [1-139] | Medical electrical equipment – Part 2-61: Particular requirements for basic safety and essential performance of pulse oximeter equipment |
| ISO/IEC 80079-38 | Explosive atmospheres – Part 38: Equipment and components in explosive atmospheres in underground mines |
| NFPA 496 | Standard for purged and pressurized enclosures for electrical equipment |
| NFPA 1936 | Standard on powered rescue tools |
| NSF/ANSI 456 | Vaccine Storage |
| UL 38 | Standard for Manual Signaling Boxes for Fire Alarm Systems |
| UL 217 | Standard for Smoke Alarms |
| UL 250 | Standard for safety for household refrigerators and freezers |
| UL 268 | Smoke Detectors for Fire Alarm Systems |
| UL 268B | Outline of Investigation for Video Image Smoke Detectors |
| UL 412 | Standard for safety for refrigeration unit coolers |
| UL 464 | Audible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories |
| UL 471 | Standard for safety for commercial refrigerators and freezers |
| UL 521 | Standard for Heat Detectors for Fire Protective Signaling Systems |
| UL 705 | Standard for Safety for Power Ventilators |
| UL 864 | Standard for Control Units and Accessories for Fire Alarm Systems |
| UL 921 | Standard for safety for Commercial dishwashers |
| UL 924 | Standard for safety for emergency lighting and power equipment |
| UL 984 | Standard for safety for hermetic refrigerant motor-compressors |

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| UL 985 | Standard for Control Units and Accessories for Fire Alarm Systems |
| UL 1017 | Standard for safety for vacuum cleaners, blower cleaners, and household floor finishing machines |
| UL 1206 | Standard for safety for electric commercial clothes-washing equipment |
| UL 1240 | Standard for safety for electric commercial clothes-drying equipment |
| UL 1424 | Standard for safety for cables for power-limited fire-alarm circuits |
| UL 1480 | Speakers for Fire Alarm and Signaling Systems, Including Accessories |
| UL 1581 | Standard for safety for reference standard for electrical wires, cables, and flexible cords |
| UL 1638 | Visible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories |
| UL 1642 | Standard for safety for lithium batteries |
| UL 1971 | Standard for Signaling Devices for the Hearing Impaired |
| UL 1973 | Batteries for Use in Stationary, Vehicle Auxiliary Power and Light Electric Rail (LER) Applications |
| UL 1989 | Standby Batteries |
| UL 1995 | Standard for safety for heating and cooling equipment |
| UL 1996 | Standard for safety for electric duct heaters |
| UL 2054 | Standard for safety for household and commercial batteries |
| UL 2158 | Standard for safety for electric clothes dryers |
| UL 2271 | Batteries for Use in Light Electric Vehicle (LEV) Applications |
| UL 2272 | Electrical Systems for Personal E-Mobility Devices |
| UL 2580 | Batteries for Use in Electric Vehicles |
| UL 4200A | Products incorporating button batteries or coin cell batteries |
| UL 9540 | Energy Storage Systems and Equipment [Exception – Clause 35.4 Seismic Environments] |
| UN ST/SG/AC.10/11 | Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria. Clause 38.3 Lithium metal and lithium ion batteries |
| WHO/PQS/E003/FZ01-VP.2 | Vaccine freezer or combined vaccine and water-pack freezer: compression-cycle |
| **Energy Star** | |
| ENERGY STAR Program Requirements Product Specification for Uninterruptible Power Supplies | Uniform Test Method for Measuring the Energy Consumption of Battery Chargers incorporated in 10 CFR Part 430 Subpart B, Appendix Y, Section 4: Testing Requirements for Uninterruptible Power Supplies<br>Energy Star Test Method for Uninterruptible Power Supplies, Rev. Dec 2017 |
| ENERGY STAR Program Requirements Product Specification for Audio/Video | ENERGY STAR Test Method for Audio/Video |
| ENERGY STAR Program Requirements Product Specification for Computers | ENERGY STAR Draft Test Method for Computers |
| ENERGY STAR Program Requirements Product Specification for Imaging Equipment | ENERGY STAR Test Method for Imaging Equipment |
| ENERGY STAR Program Requirements | ENERGY STAR Test Method for Telephony |

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| Product Specification for Telephony | |
| ENERGY STAR Program Requirements Product Specification for Computer Servers | ENERGY STAR Test Method for Computer Servers |
| ENERGY STAR Program Requirements Product Specification for Data Center Storage | ENERGY STAR Test Method for Data Center Storage Equipment |
| ENERGY STAR Program Requirements Product Specification for Electric Vehicle Supply Equipment | ENERGY STAR Level 1 and Level 2 Electric Vehicle Supply Equipment Test Method (Rev. Apr-2017)<br>ENERGY STAR DC-output Electric Vehicle Supply Equipment Test Method (Rev. Mar-2021)<br>ENERGY STAR Displays Test Method (Rev. Sep-2015)<br>Section 6.7.5.2 of Consumer Electronics Association (CEA) 2037- A, Determination of Television Set Power Consumption |
| ENERGY STAR Program Requirements Product Specification for Set-top Boxes | ENERGY STAR Test Method for Set-top Boxes<br>CTA-2043, “Set-top Box (STB) Power Measurement” |
| ENERGY STAR Program Requirements Product Specification for Boilers | 10 CFR Part 430 Subpart B, Appendix N: Uniform Test Method for Measuring the Energy Consumption of Furnaces and Boilers |
| ENERGY STAR Program Requirements Product Specification for Furnaces | 10 CFR Part 430 Subpart B, Appendix N: Uniform Test Method for Measuring the Energy Consumption of Furnaces and Boilers |
| ENERGY STAR Program Requirements Product Specification for EPS (sunset 12/31/10) | Test Method for Calculating the Energy Efficiency of Single-Voltage External Ac-Dc and Ac-Ac Power Supplies (August 11, 2004)<br><br>10 CFR 430, Subpart B, Appendix Z: Uniform Test Method for Measuring the Energy Consumption of External Power Supplies |
| Proposed Test Protocol | IPS Generalized Internal Power Supply Efficiency Test Protocol, rev. 6.4.2 |
| ENERGY STAR Program Requirements Product Specification for Commercial Ovens | ASTM F1496 Test method for performance of convection ovens<br>ASTM F2093 Test method for performance of rack ovens<br>ASTM F2861 Test Method for Enhanced Performance of Combination Oven in Various Modes |
| ENERGY STAR Program Requirements Product Specification for Commercial Electric Cooktops | ASTM F1521 Test methods for performance of range tops |
| ENERGY STAR Program Requirements Product Specification for Residential Electric Cooking Products | 10 CFR 430, Subpart B, Appendix I1: Uniform Test Method for Measuring the Energy Consumption of Conventional Cooking Products |
| ANSI/CTA 2049-A | Determination of Small Network Equipment Energy Consumption |
| ANSI/CTA 2043 | Set-top Box (STB) Power Measurement (Formerly ANSI/CEA-2043) |

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| ANSI/ASHRAE 124 | Methods of testing for rating combination space-heating and water-heating appliances (ANSI approved) |
| ASTM F1275 | Test method for performance of griddles |
| ASTM F1361 | Test method for the performance of open deep fat fryers |
| ASTM F1484 | Test method for the performance of steam cookers |
| ASTM F1496 | Test method for performance of convection ovens |
| ASTM F1521 | Test methods for performance of range tops |
| ASTM F1605 | Test method for the performance of double sided griddles |
| ASTM F1696 | Test method for energy performance of single-rack hot water sanitizing, door-type commercial dishwashing machines and NSF/ANSI 3-2007, commercial warewashing equipment |
| ASTM F1920 | Test method for energy performance of rack conveyor, hot water sanitizing, commercial dishwashing machines and NSF/ANSI 3-2007, commercial warewashing equipment |
| ASTM F2093 | Test method for performance of rack ovens |
| ASTM F2140 | Test method for the performance of hot food holding cabinets |
| ASTM F2144 | Test Method for Performance of Large Open Vat Fryers |
| ASTM F2861 | Standard Test Method for Enhanced Performance of Combination Oven in Various Modes |
| EN 50563 | External a.c. - d.c. and a.c. - a.c. power supplies – determination of no-load power and average efficiency of active modes |
| EN 50564 | Electrical and electronic household and office equipment - Measurement of low power consumption |
| EN/IEC 62301 | Household electrical appliances – measurement of standby power |
| EN/IEC 62018 | Power consumption of information technology equipment – Measurement methods |
| IEC 62040-3 | Uninterruptible power systems (UPS) – part 3: method of specifying the performance and test requirements |
| EN/IEC 62087 | Audio, video and related equipment – Determination of power consumption – part 1: general |
| IEC 62623 | Desktop and notebook computers – measurement of energy consumption |
| **Fire** | |
| 16 CFR 1633 | Standard for the flammability (open flame) of mattress sets |
| ABNT NBR 6125 | Method of test for automatic sprinklers – fire protection |
| ABNT NBR 6135 | Specification for automatic sprinklers – fire protection |
| ABNT NBR 6479 | Determination of resistance to fire – Doors and sealants |
| ABNT NBR 15647 | Requirements and test methods for pipes and connections – chlorinated poly vinyl chloride (CPVC) – fire protection systems for automatic sprinklers |
| ABNT NBR 15648 | Installation procedures for pipes and connections – chlorinated poly vinyl chloride (CPVC) – fire protection systems for automatic sprinklers |
| AMCA 500-D | Laboratory methods of testing dampers for rating |
| AMCA 500-L | Laboratory methods of testing louvers for rating |
| ANSI/AWWA C906 | Polyethylene (PE) Pressure Pipe and Fittings, 4 in. Through 63 in. (100 mm Through 1,650 mm), for Waterworks |
| ANSI/CAN/UL/ULC 1384 | Water-Based Automatic Extinguisher Units |
| ANSI/CAN/UL/ULC 2127 | Inert Gas Clean Agent Extinguishing System Units |
| ANSI/CAN/UL/ULC 2166 | Halocarbon Clean Agent Extinguishing System Units |

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| ANSI/NFPA 18 | Wetting Agents |
| ANSI/NFPA 18A | Water Additives for Fire Control and Vapor Mitigation |
| ANSI/NFPA 1964 | Spray Nozzles |
| ANSI/NFPA 1965 | Fire Hose Appliances |
| ANSI/SPRI ES-1 | Wind design standard for edge systems used with low slope roofing systems |
| ANSI/UL 8 | Water Based Agent Fire Extinguishers |
| ANSI/UL 10C | Positive Pressure Fire Tests of Door Assemblies |
| ANSI/UL 10D | Fire Tests of Fire Protective Curtain Assemblies |
| ANSI/UL 19 | Lined Fire Hose and Hose Assemblies |
| ANSI/UL 92 | Fire Extinguisher and Booster Hose |
| ANSI/UL 154 | Carbon-Dioxide Fire Extinguishers |
| ANSI/UL 181A | Closure Systems for Use with Rigid Air Ducts and Air Connectors |
| ANSI/UL 181B | Closure Systems for Use with Flexible Air Ducts and Air Connectors |
| ANSI/UL 203 | Pipe Hanger Equipment for Fire Protection Service |
| ANSI/UL 203A | Sway Brace Devices for Sprinkler System Piping |
| ANSI/UL 218 | Fire Pump Controllers |
| ANSI/UL 219 | Lined Fire Hose for Interior Standpipes |
| ANSI/UL 299 | Dry Chemical Fire Extinguishers |
| ANSI/UL 300 | Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment |
| ANSI/UL 385 | Play Pipes for Water Supply Testing in Fire Protection Service |
| ANSI/UL 401 | Portable Spray Hose Nozzles for Fire-Protection Service |
| ANSI/UL 405 | Fire Department Connections |
| ANSI/UL 448A | Flexible Couplings and Connecting Shafts for Stationary Fire Pumps |
| ANSI/UL 448B | Residential Fire Pumps Intended for One- and Two-Family Dwellings and Manufactured Homes |
| ANSI/UL 448C | Stationary, Rotary-Type, Positive-Displacement Pumps for Fire-Protection Service |
| ANSI/UL 626 | Water Fire Extinguishers |
| ANSI/UL 668 | Hose Valves for Fire-Protection Service |
| ANSI/UL 711 | Rating and Testing of Fire Extinguishers |
| ANSI/UL 789 | Indicator Posts for Fire-Protection Service |
| ANSI/UL 1004-5 | Standard for Fire Pump Motors |
| ANSI/UL 1093 | Halogenated Agent Fire Extinguishers |
| ANSI/UL 1254 | Pre-Engineered Dry Chemical Extinguishing System Units |
| ANSI/UL 1468 | Direct Acting Pressure Reducing and Pressure Restricting Valves |
| ANSI/UL 1478A | Pressure Relief Valves for Sprinkler Systems |
| ANSI/UL 1486 | Quick Opening Devices for Dry Pipe Valves for Fire Protection Service |
| ANSI/UL 1739 | Pilot-Operated Pressure-Control Valves for Fire Protection Service |
| ANSI/UL 1821 | Thermoplastic Sprinkler Pipe and Fittings for Fire Protection Service |
| ANSI/UL 2043 | Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Space |
| ANSI/UL 2129 | Halocarbon Clean Agent Fire Extinguishers |
| ANSI/UL 2335 | Fire Tests of Storage Pallets |
| ANSI/UL 2351 | Spray Nozzles for Fire-Protection Service |
| ANSI/UL 2368 | Fire Exposure Testing of Rigid Nonmetallic and Composite Nonmetallic Intermediate Bulk Containers for Combustible Liquids |
| ANSI/UL 2443 | Flexible Sprinkler Hose with Fittings for Fire Protection Service |
| ANSI/UL 2775 | Fixed Condensed Aerosol Extinguishing System Units |

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| DS/EN 15276-1:2019 | Fixed firefighting systems - Condensed Aerosol extinguishing Systems - Part 1 |
| AS 1530.1 | Methods for fire tests on building materials, components and structures - combustibility test for materials) |
| AS 1530.4 | Methods for fire tests on building materials, components and structures - fire-resistance tests for elements of construction |
| AS 3786 | Smoke alarms using scattered light, transmitted light or ionization |
| ASFP YELLOW BOOK | Fire protection for structural steel in buildings |
| ASME B16.1 | Cast Iron Pipe Flanges and Flanged Fittings, Classes 25, 125 and 250 |
| ASME B16.3 | Malleable Iron Threaded Fittings, Classes 150 and 300 |
| ASME B16.4 | Gray Iron Threaded Fittings, Classes 125 and 250 |
| ASME B16.5 | Pipe Flanges and Flanged Fittings NPS 1/2 Through NPS 24 |
| ASME B16.11 | Forged Fittings, Socket-Welding and Threaded |
| ASME B16.14 | Ferrous Pipe Plugs, Bushings, and Locknuts with Pipe Threads |
| ASME B16.15 | Cast Bronze Threaded Fittings, Classes 125, and 250 |
| ASME B16.39 | Malleable Iron Threaded Pipe Unions, Classes 150, 250, and 300 |
| ASTM D228/D228M | Standard test methods for sampling, testing, and analysis of asphalt roll roofing, cap sheets, and shingles used in roofing and waterproofing |
| ASTM D312/D312M | Standard specification for asphalt used in roofing |
| ASTM D450 | Standard specification for coal-tar pitch used in roofing, dampproofing, and waterproofing |
| ASTM D751 | Standard Test Methods for Coated Fabrics |
| ASTM D1005 | Standard Test Method for Measurement of Dry-Film Thickness of Organic Coatings Using Micrometers |
| ASTM D1621 | Standard test method for compressive properties of rigid cellular plastics |
| ASTM D1929 | Standard test method for determining ignition temperature of plastics |
| ASTM D2898 | Standard practice for accelerated weathering of fire-retardant-treated wood for fire testing |
| ASTM D3161/D3161M | Standard test method for wind-resistance of steep slope roofing products (fan-induced method) |
| ASTM D3201/D3201M | Standard test method for hygroscopic properties of fire-retardant wood and wood-based products |
| ASTM D3462/D3462M | Standard specification for asphalt shingles made from glass felt and surfaced with mineral granules |
| ASTM D4869/D4869M | Standard specification for asphalt-saturated organic felt underlayment used in steep slope roofing |
| ASTM D4986 | Standard test method for horizontal burning characteristics of cellular polymeric materials |
| ASTM D7897 | Standard Practice for Laboratory Soiling and Weathering of Roofing Materials to Simulate Effects of Natural Exposure on Solar Reflectance and Thermal Emittance |
| ASTM E84 | Standard test method for surface burning characteristics of building materials |
| ASTM E96/E96M | Standard test methods for water vapor transmission of materials |
| ASTM E108 | Standard test methods for fire tests of roof coverings |
| ASTM E119 | Standard test methods for fire tests of building construction and materials |
| ASTM E136 | Standard test method for behavior of materials in a vertical tube furnace at 750°C (Including Test Method Options A and B (ASTM E2652)) |
| ASTM E648 | Standard test method for critical radiant flux of floor-covering systems using a radiant heat energy source |
| ASTM E662 | Standard test method for specific optical density of smoke generated by solid materials |

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| ASTM E814 | Standard test method for fire tests of penetration firestop systems |
| ASTM E1354 | Standard test method for heat and visible smoke release rates for materials and products using an oxygen consumption calorimeter |
| ASTM E2307 | Standard test method for determining fire resistance of perimeter fire barriers using intermediate-scale, multi-story test apparatus |
| ASTM E2652 | Standard Test Method for Assessing Combustibility of Materials Using a Tube Furnace with a Cone-shaped Airflow Stabilizer, at 750°C |
| ASTM F1476 | Standard Specification for Performance of Gasketed Mechanical Couplings for Use in Piping Applications |
| ASTM F1548 | Standard Specification for the Performance of Fittings for Use with Gasketed Mechanical Couplings Used in Piping Applications |
| AWWA C153/A21.53 | Ductile-Iron Compact Fittings for Water Service |
| BS 476-20 | Method for determination of the fire resistance of elements of construction (general principles) |
| BS 476-21 | Methods for determination of the fire resistance of loadbearing elements of construction |
| BS 476-22 | Method for determination of the fire resistance of non-loadbearing elements of construction |
| BS 476-23 | Methods for determination of the contribution of components to the fire resistance of a structure |
| BS 476-24 | Method for determination of the fire resistance of ventilation ducts |
| BS EN 179 | Building hardware – emergency exit devices operated by a lever handle or push pad, for use on escape routes – requirements and test methods |
| BS EN 1125 | Building hardware – panic exit devices operated by a horizontal bar, for use on escape routes – requirements and test methods |
| BS EN 1363-1 | Fire resistance tests – general requirements |
| BS EN 1366-3 | Fire resistance tests for service installations – penetration seals |
| BS EN 1366-4 | Fire resistance tests for service installations – linear joint seals |
| BS EN 1634-1 | Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware – fire resistance test for door and shutter assemblies and openable windows |
| BS EN 1634-2 | Fire resistance and smoke control tests for door, shutter and openable window assemblies and elements of building hardware – fire resistance characterisation test for elements of building hardware |
| BS EN 1634-3 | Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware – smoke control test for door and shutter assemblies |
| BS EN 10242 | Threaded Pipe Fittings in Malleable Cast Iron |
| BS EN 12094-1 | Fixed firefighting systems – components for gas extinguishing systems - requirements and test methods for electrical automatic control and delay devices |
| BS EN 12259-1 | Fixed firefighting systems components for sprinkler and water spray systems part 1: sprinklers |
| BS EN 12259-2 | Fixed firefighting systems components for sprinkler and water spray systems part 2: wet alarm valve assemblies |
| BS EN 12259-3 | Fixed firefighting systems components for sprinkler and water spray systems part 3: dry alarm valve assemblies |
| BS EN 12259-14 | Fixed firefighting systems - Components for sprinkler and water spray systems - Part 14: Sprinklers for residential applications |

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| BS EN 13204 | Double acting hydraulic rescue tools for fire and rescue service use – safety and performance requirements |
| BS EN 13381-4 | Test methods for determining the contribution to the fire resistance of structural members – applied passive protection products to steel members |
| BS EN 13381-6 | Test methods for determining the contribution to the fire resistance of structural members – applied protection to concrete filled hollow steel columns |
| BS EN 13381-8 | Test methods for determining the contribution to the fire resistance of structural members – applied reactive protection to steel members |
| BS EN 13381-9 | Test methods for determining the contribution to the fire resistance of structural members – applied fire protection systems to steel beams with web openings |
| BS EN 14384 | Pillar fire hydrants |
| BSI BS 143 & 1256 | Threaded Pipe Fittings in Malleable Cast Iron and Cast Copper Alloy |
| CAN/ULC S101 | Standard methods of fire endurance tests of building construction and materials |
| CAN/ULC S103 | Standard specification for “tin-clad” fire doors meeting the performance required by CAN/ULC-S104 |
| CAN/ULC S104 | Standard method for fire tests of door assemblies |
| CAN/ULC S105 | Standard specification for fire door frames meeting the performance required by CAN/ULC-S104 |
| CAN/ULC S106 | Standard method for fire tests of window and glass block assemblies |
| CAN/ULC S107 | Methods of fire tests of roof coverings |
| CAN/ULC S112 | Standard method of firer test of fire damper assemblies |
| CAN/ULC S112.1 | Standard for leakage rated dampers for use in smoke control systems |
| CAN/ULC S115 | Standard method of fire tests of firestop systems |
| CAN/ULC S121 | Preliminary standard for sliding hardware for standard, horizontally mounted tin-clad fire doors |
| CAN/ULC S132 | Standard method of tests for emergency exit and emergency fire exit hardware |
| CAN/ULC S133 | Standard method of tests for door closers intended for use with swinging doors |
| CRRC-1 | Roof Product Rating Program Manual, Test Method #1 |
| CSA C22.2 No. 263 | Fire Pump Controllers |
| EN 13501-6 | Fire classification of construction products and building elements - Part 6: Classification using data from reaction to fire tests on power, control and communication cables |
| EN 60754-2 | Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity |
| EN 61034-2 | Measurement of smoke density of cables burning under defined conditions - Test procedure and requirements |
| EN 12269-14 | Fixed firefighting systems - Components for sprinkler and water spray systems - Part 14: Sprinklers for residential applications |
| EN 13501-3 | Fire classification of construction products and building elements – part 3: classification using data from fire resistance tests on products and elements used in building service installations: fire resisting ducts and fire dampers |
| EN 17084 | Railway applications – Fire protection on railway vehicles – Toxicity test of materials and components (Method 1 only – ISO 5659-2) |
| EN 17446 | Fire extinguishing systems in commercial kitchens - System design, documentation, and test requirements |
| EN 45545-2 | European railway standard for safety – Limited to:<br>ISO 5658-2<br>ISO 5660-1<br>ISO 9239-1<br>ISO 1182 |

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| | ISO 4589-2 |
| IEC 60695-11-5 | Fire hazard testing – Part 11-5: Test flames – Needle-flame test method – Apparatus, confirmatory test arrangement and guidance |
| IEC 60695-11-10 | Fire hazard testing - part 11-10: test flames - 50 W horizontal and vertical flame test methods |
| IEC 60695-11-20 | Fire hazard testing - part 11-20: test flames - 500 W flame test method |
| IEC 60695-2-10 | Fire hazard testing – Part 2-10: Glowing/hot-wire based test methods – Glow-wire apparatus and common test procedure |
| IEC 60695-2-11 | Fire hazard testing – Part 2-11: Glowing/hot-wire based test methods – Glow-wire flammability test method for end-products (GWEPT) |
| IEC 60695-2-12 | Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability index (GWFI) test method for materials |
| IEC 60695-2-13 | Fire hazard testing – Part 2-13: Glowing/hot-wire based test methods – Glow-wire ignition temperature (GWIT) test method for materials |
| IEC 60695-2-20 | Fire hazard testing - part 2-20: glowing/hot wire based test methods - hot-wire coil ignitability - apparatus, test method and guidance |
| IMO Assembly Resolution A.800(19) | Revised Guidelines for Approval of Sprinkler Systems Equivalent to That Referred to in SOLAS Regulation II-2/12 |
| ISO 49 | Malleable Cast Iron Fittings Threaded to ISO 7-1 |
| ISO 834-1 | Fire-resistance tests – elements of building construction – part 1: general requirements |
| ISO 834-2 | Fire-resistance tests – elements of building construction – part 2: Guidance on measuring uniformity of furnace exposure on samples |
| ISO 834-3 | Fire-resistance tests – elements of building construction – part 3: Commentary on test method and guide to the application of the outputs from the fire-resistance test |
| ISO 834-4 | Fire-resistance tests – elements of building construction – part 4: Specific requirements for loadbearing vertical separating elements |
| ISO 834-5 | Fire-resistance tests – elements of building construction – part 5: Specific requirements for loadbearing horizontal separating elements |
| ISO 834-6 | Fire-resistance tests – elements of building construction – part 6: Specific requirements for beams |
| ISO 834-7 | Fire-resistance tests – elements of building construction – part 7: Specific requirements for columns |
| ISO 834-8 | Fire-resistance tests – elements of building construction – part 8: Specific requirements for non-loadbearing vertical separating elements |
| ISO 834-9 | Fire-resistance tests – elements of building construction – part 9: Specific requirements for non-loadbearing ceiling elements |
| ISO 834-10 | Fire-resistance tests – elements of building construction – part 10: Specific requirements to determine the contribution of applied fire protection materials to structural steel elements |
| ISO 834-11 | Fire-resistance tests – elements of building construction – part 11: Specific requirements for the assessment of fire protection to structural steel elements |
| ISO 834-12 | Fire-resistance tests – elements of building construction – part 12: Specific requirements for separating elements evaluated on less than full scale furnaces |
| ISO 834-13 | Fire-resistance tests – elements of building construction – part 13: Requirements for the testing and assessment of applied fire protection to steel beams with web openings |

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| ISO 834-14 | Fire-resistance tests – elements of building construction – part 14: Requirements for the testing and assessment of applied fire protection to solid steel bar |
| ISO 1182 | Reaction to fire tests for products – non-combustibility test |
| ISO 1716 | Reaction to fire tests for products – determination of the gross heat of combustion (calorific value) |
| ISO 3008-1 | Fire-resistance tests – door and shutter assemblies – Part 1: General requirements |
| ISO 3009 | Fire-resistance tests – elements of building construction – glazed elements |
| ISO 4589-2 | Plastics – determination of burning behaviour by oxygen index – part 2: ambient-temperature test |
| ISO 4589-3 | Plastics – determination of burning behaviour by oxygen index – part 3: elevated-temperature test |
| ISO 5658-2 | Reaction to fire tests – spread of flame – part 2: lateral spread on building and transport products in vertical configuration |
| ISO 5659-2 | Plastics – smoke generation – part 2: determination of optical density by a single-chamber test |
| ISO 5660-1 | Reaction-to-fire tests – heat release, smoke production and mass loss rate – part 1: heat release rate (cone calorimeter method) and smoke production rate (dynamic measurement |
| ISO 6944 | Fire containment – elements of building construction – part 1: ventilation ducts |
| ISO 9239-1 | Reaction to fire tests for floorings – part 1: Determination of the burning behaviour using a radiant heat source |
| ISO 9772 | Cellular plastics -- determination of horizontal burning characteristics of small specimens subjected to a small flame |
| ISO 9773 | Plastics - determination of burning behaviour of thin flexible vertical specimens in contact with a small-flame ignition source |
| ISO 10294-1 | Fire resistance tests – fire dampers for air distribution systems – part 1: test method |
| JIS C 3521 | Flame test method for flame retardant sheath of telecommunication cables |
| MODUK-DEF STAN 02-711 | Determination of the smoke index of the products of combustion from small specimens of materials |
| MODUK-DEF STAN 02-713 | Determination of the toxicity index of the products of combustion from small specimens of mate |
| NFPA 12 | Standard on carbon dioxide extinguishing systems |
| NFPA 72 | National fire alarm and signaling code |
| NFPA 252 | Standard methods of fire tests of door assemblies |
| NFPA 257 | Standard on fire test for window and glass block assemblies |
| NFPA 259 | Standard test method for potential heat of building materials |
| NFPA 262 | Standard method of test for flame travel and smoke of wires and cables for use in air-handling spaces |
| NFPA 275 | Standard method of fire tests for the evaluation of thermal barriers |
| NFPA 285 | Standard fire test method for evaluation of fire propagation characteristics of exterior non-load-bearing wall assemblies containing combustible components |
| NFPA 286 | Standard methods of fire tests for evaluating contribution of wall and ceiling interior finish to room fire growth |
| UL 9 | Standard for safety for fire tests of window assemblies |
| UL 10B | Standard for safety for fire tests of door assemblies |
| UL 33 | Standard for safety for heat responsive links for fire-protection service |
| UL 47 | Semiautomatic Fire Hose Storage Devices |

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| UL 55A | Standard for safety for materials for built-up roof coverings |
| UL 72 | Standard for safety for tests for fire resistance of record protection equipment |
| UL 139 | Outline of Investigation for High-Expansion-Foam Extinguishing System Equipment |
| UL 155 | Standard for safety for tests for fire resistance of vault and file room doors |
| UL 162 | Foam Equipment and Liquid Concentrates |
| UL 181 | Standard for safety for factory-made air ducts and air connector |
| UL 194 | Gasketed Joints for Ductile-Iron Pipe and Fittings for Fire Protection Service |
| UL 199B | Outline of Investigation for Control Cabinets for Automatic Sprinkler Systems Used for Protection of Commercial Cooking Equipment |
| UL 213 | Rubber Gasketed Fittings for Fire-Protection Service |
| UL 213C | Grooved and Plain End Fittings |
| UL 246 | Standard for safety for hydrants for fire-protection service |
| UL 246C | Outline of Investigation for Wet Barrel Fire Hydrants for Oil Platforms |
| UL 262 | Standard for safety for gate valves for fire protection service |
| UL 263 | Standard for safety for fire tests of building construction and materials |
| UL 299C | Outline of Investigation for Fire Extinguishing Dry Chemical for Special Applications |
| UL 393 | Indicating Pressure Gauges for Fire Protection Service |
| UL 448 | Standard for safety for centrifugal stationary pumps for fire-protection service |
| UL 448D | Outline of Investigation for Fire Pump, Driver and Controller Assembly Rating Compatibility |
| UL 515A | Outline of Investigation for Electrical Resistance Tracing Heating and Associated Controls for Use in Sprinkler and Standpipe Systems |
| UL 555 | Standard for safety for fire dampers |
| UL 555C | Standard for safety for ceiling dampers |
| UL 555S | Standard for safety for smoke dampers |
| UL 580 | Standard for safety for tests for uplift resistance of roof assemblies |
| UL 723 | Standard for safety for test for surface burning characteristics of building materials |
| UL 790 | Standard for safety for standard test methods for fire tests of roof coverings |
| UL 852 | Metallic Sprinkler Pipe For Fire Protection Service |
| UL 860 | Pipe Unions for Flammable and Combustible Fluids and Fire-Protection Service |
| UL 1058 | Halogenated Agent Extinguishing System Units |
| UL 1091B | Outline of Investigation for System Control Ball Valves for Fire Protection Service |
| UL 1247 | Diesel Engines for Driving Stationary Fire Pumps |
| UL 1256 | Standard for safety for fire test of roof deck constructions |
| UL 1285 | Pipe and Couplings, Polyvinyl Chloride (PVC), and Oriented Polyvinyl Chloride (PVCO) for Underground Fire Service |
| UL 1469 | Strength of Body and Hydraulic Pressure Loss Testing of Backflow Special Check Valves |
| UL 1474 | Adjustable Drop Nipples for Sprinkler Systems |
| UL 1479 | Standard for safety for fire tests of through-penetration firestops |
| UL 1666 | Standard for safety for test for flame propagation height of electrical and optical-fiber cables installed vertically in shafts |
| UL 1685 | Standard for safety for vertical-tray fire-propagation and smoke-release test for electrical and optical-fiber cables |
| UL 1709 | Standard for safety for rapid rise fire tests of protection materials for structural steel |

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| UL 1713 | Pressure Pipe and Couplings, Glass Fiber-Reinforced, for Underground Fire Service |
| UL 1715 | Standard for safety for fire test of interior finish material |
| UL 1767 | Standard for safety early-suppression fast-response sprinklers |
| UL 1897 | Standard for safety uplift tests for roof covering systems |
| UL 1994 | Luminous Egress Path Marking Systems |
| UL 2079 | Standard for safety tests for fire resistance of building joint systems |
| UL 2167 | Water Mist Nozzles for Fire Protection Service |
| UL 2221 | Standard for safety tests of fire resistive grease duct enclosure assemblies |
| UL 2573 | Outline of Investigation for Automatic Air Release and Air/Vacuum Valves for Fire Protection Service |
| UL 2581 | Outline of Investigation for Hydraulic Surge Suppressors for Water Based Fire Protection Systems |
| UL 2581A | Outline of Investigation for Expansion Chambers for Water Based Fire Protection Systems |
| UL 2901 | Outline of Investigation for Antifreeze Solutions for Use in Fire Sprinkler Systems |
| UL 2987 | Outline of Investigation for Steel Sprinkler Pipe Corrosion Indicators |
| UL 63345 | Outline of Investigation for Buoyant Media for Protection Against Full Surface Fires in Fixed Flammable or Combustible Liquid Tanks or Repositories |
| UL 67377 | Outline of Investigation for Oxygen Reduction Fire Protection System Units |
| ULC/CAN4-S106 | Fire tests of window and glass block assemblies |
| UL33 | Heat Responsive Links for Fire-Protection Service |
| ULC/CAN4-S507 | Standard for water fire extinguishers |
| UL Subject 7 | Outline of Investigation for Pump Tank Extinguishers |
| UL Subject 199C | Outline of Investigation for Plastic Escutcheons for Sprinklers |
| UL Subject 199D | Outline of Investigation for Guards for Sprinklers |
| UL Subject 199E | Outline of Investigation for Fire Testing of Sprinklers and Water Spray Nozzles for Protection of Deep Fat Fryers |
| UL Subject 258 | Outline of Investigation for Shutoff Valves for Trim and Drain Purposes |
| UL Subject 260A | Outline of Investigation for Air Pressure Maintenance Devices |
| UL Subject 299D | Outline of Investigation for Dry Chemical Extinguishers for Residential Cooking Equipment |
| UL Subject 300A | Outline of Investigation for Extinguishing System Units for Residential Range Top Cooking Surfaces |
| UL Subject 321 | Outline of Investigation for Pipeline Strainers |
| UL Subject 327 | Outline of Investigation for Turbine Type Flow Meters |
| UL Subject 327A | Outline of Investigation for Inferential Type Residential Water |
| UL Subject 327B | Outline of Investigation for Ultrasonic and Magnetic Type Water Flow Meters |
| UL Subject 693 | Outline of Investigation for Excess Pressure Pumps for Wet Pipe Sprinkler Systems |
| UL Subject 711A | Outline of Investigation for Fire Test Method for Portable Hand-Held Extinguishers Intended for Use on Residential Cooking Equipment |
| UL Subject 1091A | Outline of Investigation for Butterfly Valve Indicator Posts for Fire Protection Service |
| UL Subject 1630 | Outline of Investigation for Residential Hose Cabinets Flow Meters |
| UL Subject 2432 | Outline of Investigation for Dry System Water Delivery Time Calculation Programs |
| **Heating/Cooling** | |
| ANSI Z21.1 | Household cooking gas appliances |

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| ANSI Z21.1a | Addenda 1 for ANSI-Z21.1, household cooking gas appliances |
| ANSI Z21.5.1 | Gas clothes dryers – volume 1, type 1 clothes dryers |
| ANSI Z21.5.2 | Gas clothes dryers, volume II, type 2 clothes dryers |
| ANSI Z21.5.2a | Addenda 1 to ANSI Z21.5.2, gas clothes dryers – volume II, type 2 clothes dryers |
| ANSI Z21.5.2b | Addendum 2 to ANSI-Z21.5.2, gas clothes dryers – volume II – type 2 clothes dryers |
| ANSI Z21.8 | Installation of domestic gas conversion burners |
| ANSI Z21.9 | Domestic gas hot plates and laundry stoves |
| ANSI Z21.10.1 | Gas water heaters – volume 1, storage water heaters with input ratings of 75,000 btu per hour or less |
| ANSI Z21.10.3 | Gas water heaters – volume III, storage water heaters, with input ratings above 75,000 btu per hour, circulating and instantaneous |
| ANSI Z21.50 | Vented gas fireplaces |
| ANSI Z21.50a | Addenda 1 to ANSI Z21.50, vented gas fireplaces |
| ANSI Z21.56 | Gas-fired pool heaters |
| ANSI Z21.56a | Addenda 1 to ANSI Z21.56a, gas-fired pool heaters |
| ANSI Z21.60 | Decorative gas appliances for installation in solid-fuel burning fireplaces |
| ANSI Z21.60a | Addenda 1 To ANSI-Z21.60, decorative gas appliances for installation in solid-fuel burning fireplaces |
| ANSI Z21.60b | Addenda 2 To ANSI-Z21.60, decorative gas appliances for installation in solid-fuel burning fireplaces |
| ANSI Z21.61 | Gas-fired toilets |
| ANSI Z21.64b | Addenda 2 to ANSI Z21.64, direct vent central furnaces |
| ANSI Z21.66 | Automatic damper devices for use with gas-fired appliances |
| ANSI Z21.66a | Addenda 1 to ANSI Z21.66, automatic damper devices for use with gas-fired appliances |
| ANSI Z21.66b | Addenda 2 to ANSI Z21.66, automatic damper devices for use with gas-fired appliances |
| ANSI Z21.67a | Addenda 1 to ANSI Z21.67, gas water heaters |
| ANSI Z21.67b | Addenda 2 to ANSI Z21.67, gas water heaters |
| ANSI Z21.68a | Addenda 1 to ANSI Z21.68, thermally actuated automatic vent damper devices for use with gas-fired appliances |
| ANSI Z21.68b | Addenda 2 to ANSI Z21.68, thermally actuated automatic vent damper devices for use with gas-fired appliances |
| ANSI Z21.71 | Automatic intermittent pilot ignition systems for field installation |
| ANSI Z83.7 | Gas-fired construction heaters |
| ANSI Z83.7a | Addenda 1 to ANSI Z83.7, gas-fired construction heaters |
| ANSI Z83.7b | Addenda 2 to ANSI Z83.7, gas-fired construction heaters |
| ANSI Z83.8 | Gas unit heaters |
| ANSI Z83.8a | Addenda 1 to ANSI Z83.8, gas unit heaters |
| ANSI Z83.10 | Separated Combustion System Central Furnaces |
| ANSI Z83.11 | Gas food service equipment – ranges and unit broilers |
| ANSI/CAN/UL/ULC 1316 | Standard for safety for fibre reinforced underground tanks for flammable and combustible liquids |
| ANSI/CAN/UL/ULC 1389 | Standard for safety for plant oil extraction equipment for installation and use in ordinary (unclassified) locations and hazardous (classified) locations |
| ANSI/UL 6 | Standard for safety electrical rigid metal conduit - steel |
| ANSI/UL 21 | Standard for safety for LP-gas hose |

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| ANSI/UL 25 | Standard for safety for meters for flammable and combustible liquids and LP-gas |
| ANSI/UL 58 | Standard for Safety for steel underground tanks for flammable and combustible liquids |
| ANSI/UL 80 | Standard for safety for steel tanks for oil-burner fuels and other combustible liquids |
| ANSI/UL 132 | Standard for safety for safety relief valves for anhydrous ammonia and LP-gas |
| ANSI/UL 144 | Standard for safety for LP-gas regulators |
| ANSI/UL 147B | Standard for hand-held torches for fuel gases |
| ANSI/UL 441 | Standard for safety for gas vents |
| ANSI/UL 525 | Standard for safety for flame arresters |
| ANSI/UL 565 | Standard for safety for liquid-level gauges for anhydrous ammonia and LP-gas |
| ANSI/UL 569 | Standard for safety for pigtails and flexible hose connectors for LP-gas |
| ANSI/UL 641 | Standard for safety for type L low-temperature venting systems |
| ANSI/UL 644 | Standard for safety for container assemblies for LP-gas |
| ANSI/UL 726 | Standard for safety for oil-fired boiler assemblies |
| ANSI/UL 727 | Standard for safety for oil-fired central furnaces |
| ANSI/UL 729 | Standard for safety for oil-fired floor furnaces |
| ANSI/UL 730 | Standard for safety for oil-fired wall furnaces |
| ANSI/UL 731 | Standard for safety for oil-fired unit heaters |
| ANSI/UL 842 | Standard for safety for valves for flammable fluids |
| ANSI/UL 2227 | Standard for safety for overfilling prevention devices |
| ANSI/UL 2586 | Standard for safety for hose nozzle valves |
| AS/NZS 5263.0 | Gas appliances Part 0: General requirements |
| AS/NZS 5263.1.9 | Gas appliances Part 1.9: Gas laundry dryers |
| ASTM C1371 | Standard test method for determination of emittance of materials near room temperature using portable emissometers |
| ASTM C1549 | Standard test method for determination of solar reflectance near ambient temperature using a portable solar reflectometer |
| ASTM D226/D226M | Standard specification for asphalt-saturated organic felt used in roofing and waterproofing |
| EN 298 | Automatic burner control systems for burners and appliances burning gaseous or liquid fuels |
| EN 12752-1 | Gas-fired type B tumble dryers of nominal heat input not exceeding 20 kW, Safety |
| EN 12752-2 | Gas-fired type B tumble dryers of nominal heat input not exceeding 20 kW, Rational use of energy |
| EN 1458-1 | Domestic direct gas-fired tumble dryers of types B22D and B23D, of nominal heat input not exceeding 6 kW. Safety |
| EN 1458-2 | Domestic direct gas-fired tumble dryers of types B22D and B23D, of nominal heat input not exceeding 6 kW. Rational use of energy |
| ICC ES AC311 | Push-fit and press-connection fittings for potable water tube and radiant heating systems (test methods referenced in section 4) |
| IEC 60754-2 | Test on gases evolved during combustion of materials from cables – part 2: determination of acidity (by pH measurement) and conductivity |
| SASO 167 | Methods of test for domestic cookers for use with liquefied petroleum gases |
| SASO 168 | Gas heated catering equipment – part 1: general safety rules |
| SASO GSO 203 | Gas heated catering equipment – part 1: general safety rules |
| UL 17 | Standard for safety for vent or chimney connector dampers for oil-fired appliances |

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| UL 51 | Standard for safety for power-operated pumps and bypass valves for anhydrous ammonia, LP-gas, and propylene |
| UL 103 | Standard for safety for factory-built chimneys for residential type and building heating appliances |
| UL 125 | Standard for safety for flow control valves for anhydrous ammonia and LP-gas |
| UL 127 | Standard for safety for factory-built fireplaces |
| UL 142 | Standard for steel aboveground tanks for flammable and combustible liquids |
| UL 180 | Standard for safety for liquid-level gauges for oil burner fuels and other combustible liquids |
| UL 207 | Standard for safety for refrigerant-containing components and accessories, nonelectrical |
| UL 252 | Standard for safety for compressed gas regulators |
| UL 343 | Standard for safety for pumps for oil-burning appliances |
| UL 352 | Standard for safety for constant-level oil valves |
| UL 353 | Standard for safety for limit controls |
| UL 378 | Standard for safety for draft equipment |
| UL 391 | Standard for safety for solid-fuel and combination-fuel central and supplementary furnaces |
| UL 404 | Standard for safety for gauges, indicating pressure, for compressed gas service |
| UL 429 | Standard for safety for electrically operated valves |
| UL 536 | Standard for safety for flexible metallic hose |
| UL 710 | Standard for safety for exhaust hoods for commercial cooking equipment |
| UL 737 | Standard for safety for fireplace stoves |
| UL 793 | Standard for safety for automatically operated roof vents for smoke and heat |
| UL 795 | Standard for safety for commercial-industrial gas heating equipment |
| UL 834 | Standard for safety for heating, water supply, and power boilers – electric |
| UL 896 | Standard for safety for oil-burning stoves |
| UL 900 | Standard for safety for air filter units |
| UL 907 | Standard for safety for fireplace accessories |
| UL 959 | Standard for safety for medium heat appliance factory-built chimneys |
| UL 1046 | Standard for safety for grease filters for exhaust ducts |
| UL 1349 | Outline of investigation for LP-gas vaporizers |
| UL 1482 | Standard for safety for solid-fuel type room heaters |
| UL 1746 | Standard for safety for external corrosion protection systems for steel underground storage tanks |
| UL 2085 | Standard for safety for protected aboveground tanks for flammable and combustible liquids |
| UL 2245 | Standard for safety for below-grade vaults for flammable liquid storage tanks |
| **Misc.** | |
| ANSI/ISA 12.27.01 | Requirements for process sealing between electrical systems and flammable or combustible process fluids |
| ASTM A653/A653M | Standard specification for steel sheet, zinc-coated (galvanized) or zinc-iron alloy-coated (galvannealed) by the hot-dip process |
| ASTM A681 | Standard specification for tool steels alloy |
| ASTM G154 | Standard practice for operating fluorescent ultraviolet (UV) lamp apparatus for exposure of nonmetallic materials |
| ASTM G155 | Standard practice for operating xenon arc light apparatus for exposure of non-metallic materials |
| EN 1360 | Rubber and plastic hoses and hose assemblies for measured fuel dispensing systems – specification |

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| EN 1762 | Rubber hoses and hose assemblies for liquefied petroleum gas, LPG (liquid or gaseous phase), and natural gas up to 25 bar (2,5 MPa) – specification |
| EN 13012 | Petrol filling stations – construction and performance of automatic nozzles for use on fuel dispensers |
| EN 13483 | Rubber and plastic hoses and hose assemblies with internal vapour recovery for measured fuel dispensing systems – specification |
| EN 13617-1 | Petrol filling stations – part 1: safety requirements for construction and performance |
| EN 13617-2 | Petrol filling stations – part 2: safety requirements for construction and performance of safe breaks for use on metering pumps and dispensers |
| EN 13617-3 | Petrol filling stations – part 3: safety requirements for construction and performance of shear valves |
| EN 13617-4 | Petrol filling stations – part 4: safety requirements for construction and performance of swivels for use on metering pumps and dispensers |
| EN 15268 | Petrol filling stations – safety requirements for the construction of submersible pump assemblies |
| UL 1332 | Standard for safety for organic coatings for steel enclosures for outdoor use electrical equipment |
| **Physical** | |
| ASTM D412 | Standard test methods for vulcanized rubber and thermoplastic elastomers—tension |
| ASTM D882 | Standard test method for tensile properties of thin plastic sheeting |
| ASTM E131 | Standard terminology relating to molecular spectroscopy |
| ASTM E1421 | Standard practice for describing and measuring performance of Fourier transform mid-infrared (FT-MIR) spectrometers: level zero and level one tests |
| CA SFM 12-7A-4 | Decking |
| CCMC 07102 | Technical guide for sheathing, membrane, breather-type |
| EN 13463-1 | Non-electrical equipment for use in potentially explosive atmospheres – part 1: basic method and requirements |
| EN 13463-3 | Non-electrical equipment for use in potentially explosive atmospheres – Part 3: Protection by flameproof enclosure "d" |
| EN 13463-5 | Non-electrical equipment for use in potentially explosive atmospheres – part 5: protection by constructional safety “c” |
| EN 13463-6 | Non-electrical equipment for use in potentially explosive atmospheres – part 6: protection by control of ignition source “b” |
| EN 13463-8 | Non-electrical equipment for potentially explosive atmospheres – part 8: protection by liquid immersion “k” |
| ICC ES AC38 | Water resistive barriers (test methods referenced in section 3) |
| ICC ES AC167 | Fabric air dispersion systems (test methods referenced in section 4 (except 4.2 and 4.3)) |
| IEC 60093 | Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials |
| IEC 60112 | Method for the determination of the proof and the comparative tracking indices of solid insulating materials |
| IEC 60243-1 | Electric strength of insulating materials - Test methods - Part 1: Tests at power frequencies |
| IEC 62321-3-1 | Determination of certain substances in electro-technical products - part 3-1: screening - lead, mercury, cadmium, total chromium and total bromine using xray fluorescence spectrometry |

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| IEC 62321-3-2 | Determination of certain substances in electrotechnical products - Part 3-2: Screening - Fluorine, bromine and chlorine in polymer and electronics by combustion-ion chromatography (C-IC) |
| ISO 75-1 | Plastics - determination of temperature of deflection under load - part 1: general test method |
| ISO 75-2 | Plastics - determination of temperature of deflection under load - part 2: plastics and ebonite |
| ISO 178 | Plastics - determination of flexural properties |
| ISO 179-1 | Plastics - determination of Charpy impact properties - part 1: non-instrumented impact test |
| ISO 180 | Plastics - determination of Izod impact strength |
| ISO 306 | Plastics - thermoplastic materials -- determination of Vicat softening temperature (VST) |
| ISO 527-1 | Plastics - determination of tensile properties - part 1: general principles |
| ISO 527-2 | Plastics - determination of tensile properties - part 2: test conditions for molding and extrusion plastics |
| ISO 527-3 | Plastics - determination of tensile properties - part 3: test conditions for films and sheets |
| ISO 8256 | Plastics - determination of tensile-impact strength |
| UL 746A | Standard for polymeric materials - short term property evaluations (Clauses 10, 11, 12, 13, 14, 15, 16, and 37) |
| UL 746C | Standard for polymeric materials - use in electrical equipment evaluations (only clauses 25, 26, 57 and 58) |
| UL 2885 | Outline of investigation for acid gas, acidity and conductivity of combusted materials |
| **Plumbing** | |
| ASME A112.18.1 | Plumbing supply fittings |
| ASTM A53/A53M | Standard specification for pipe, steel, black and hot-dipped, zinc-coated, welded and seamless |
| AWWA C110 | Ductile-iron and gray-iron fittings for water |
| AWWA C151 | Ductile-iron pipe, centrifugally cast |
| BS EN 1716 | Plastics piping systems – polyethylene (PE) tapping tees – test method for impact resistance of an assembled tapping tee |
| UL 157 | Standard for safety for gaskets and seals |
| UL 193 | Standard for safety for alarm valves for fire-protection service |
| UL 199 | Standard for safety for automatic sprinklers for fire-protection service |
| UL 260 | Standard for safety for dry pipe and deluge valves for fire- protection service |
| UL 312 | Standard for safety for check valves for fire-protection service |
| UL 1091 | Standard for safety for butterfly valves for fire-protection service |
| UL 1478 | Standard for safety for fire pump relief valves |
| UL 1626 | Standard for safety for residential sprinklers for fire-protection service |
| ULC/ORD C72 | Tests for fire resistance of record protection equipment ULC/ORD C193 |
| ULC/ORD C194 | Guide for the investigation of gasketed joints for cast-iron pressure pipe and fittings |
| ULC/ORD C199 | Automatic sprinklers for fire protection service |
| ULC/ORD C199P | Combustible piping for sprinkler systems |
| ULC/ORD C199S | Light wall steel pipes for sprinkler systems for fire protection service |
| ULC/ORD C260 | Guide for the investigation of dry pipe, deluge and pre-action valves for fire protection |
| ULC/ORD C312 | Check valves for fire protection service |

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| ULC/ORD C789 | Guide for the investigation of indicator posts for fire protection service |
| ULC/ORD C1091 | Preliminary standard for butterfly valves for fire protection service |
| **Structural** | |
| ASTM E283 | Standard test method for determining rate of air leakage through exterior windows, curtain walls, and doors under specified pressure differences across the specimen |
| **Thermal** | |
| ASTM C518 | Standard test method for steady-state thermal transmission properties by means of the heat flow meter apparatus |
| ASTM C578 | Standard specification for rigid, cellular polystyrene thermal insulation (limited to ASTM standards C165, C203, C272, C518, D1621, D2126, D2863 and E96) |
| ASTM C739 | Standard specification for cellulosic fiber loose-fill thermal insulation |
| **Information Technology** | |
| ETSI TS 103 701 V2.1.1 (2025-05) | Required test methodology for cybersecurity of consumer IoT devices in support of ETSI TS 103 645 /ETSI EN 303 645 |
| ISASecure®: SSA-420 Vulnerability Identification Testing (VIT) 4.x (IEC 62443-4-1 Sec 9.4.1 (b) & (c)) | Required test method in support of:<br>ISASecure® Component Security Assurance (CSA) Certification<br>ISASecure® IIoT Component Security Assurance (ICSA) Certification<br>ISASecure® System Security Assurance (SSA) Certification |

## Satellite Location

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| **Structural** | |
| AAMA 1304 | Voluntary Specification For Forced Entry Resistance Of Side-hinged Door Systems |
| AMCA 540 | Test Method for Louvers Impacted by Wind Borne Debris |
| AMCA 550 | Test Method for High Velocity Wind-Driven Rain Resistant Louvers |
| ASTM E283 | Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen |
| ASTM E330 | Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference |
| ASTM E331 | Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference |
| ASTM E547 | Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference |
| ASTM E1886 | Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials |

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| ASTM E1996 | Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes |
| ASTM F476 | Standard Test Methods for Security of Swinging Door Assemblies |
| ASTM F588 | Standard Test Methods for Measuring the Forced Entry Resistance of Window Assemblies, Excluding Glazing Impact |
| ASTM F842 | Standard Test Methods for Measuring the Forced Entry Resistance of Sliding Door Assemblies, Excluding Glazing Impact |
| ICC 500 | ICC/NSSA Standard for the Design and Construction of Storm Shelters |
| IEC 62196-1 | Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 1: General requirements |
| IEC 62196-2 | Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 2: Dimensional compatibility and interchangeability requirements for a.c. pin and contact-tube accessories |
| IEC 62196-3 | Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 3: Dimensional compatibility and interchangeability requirements for d.c. and a.c./d.c. pin and contact-tube vehicle couplers |
| TAS 201 | Impact Test Procedures |
| TAS 202 | Criteria for testing impact & nonimpact resistant building envelope components using uniform static air pressure |
| TAS 203 | Criteria for testing products subject to cyclic wind pressure loading |
| UL 580 | Standard for safety for tests uplift resistance of roof assemblies |
| UL 1897 | Standard for safety for roof covering systems |
| **Energy Star** | |
| ENERGY STAR<br>Program Requirements Product Specification for Electric Vehicle Supply Equipment | ENERGY STAR Level 1 and Level 2 Electric Vehicle Supply Equipment Test Method (Rev. Apr-2017)<br>ENERGY STAR DC-output Electric Vehicle Supply Equipment Test Method (Rev. Mar-2021)<br>ENERGY STAR Displays Test Method (Rev. Sep-2015)<br>Section 6.7.5.2 of Consumer Electronics Association (CEA) 2037- A, Determination of Television Set Power Consumption |

*AMCA: Air Movement and Control Association International, Inc.*

*TAS: Florida Building Code – Testing Application Standard*