



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

CAN/CSA-CEI/IEC 61000-2-8:04, 1st edition (bilingual)

Electromagnetic Compatibility (EMC)–Part 2-8: Environment–Voltage Dips and Short Interruptions on Public Electric Power Supply Systems with Statistical Measurement Results (Adopted CEI/IEC 61000-2-8:2002, first edition, without modification) \$165

This standard describes the electromagnetic disturbance phenomena of voltage dips and short interruptions in terms of their sources, effects, remedial measures, methods of measurement, and measurement results (insofar as these are available). They are discussed primarily as phenomena observed on the networks of public electricity supply systems and having an effect on electrical equipment receiving its energy supply from those systems.

“Voltage sag” is an alternative name for “voltage dip”.

CAN/CSA-CEI/IEC 61000-4-30:04, 1st edition (bilingual)

Electromagnetic Compatibility (EMC)–Part 4-30: Testing and Measurement Techniques–Power Quality Measurement Methods (Adopted CEI/IEC 61000-4-30:2003, first edition, without modification) \$165

This standard defines the methods for measurement and interpretation of results for power quality parameters in 50/60 Hz a.c. power supply systems.

Measurement methods are described for each relevant type of parameter in terms that will make it possible to obtain reliable, repeatable and comparable results, regardless of the compliant instrument being used and regardless of its environmental conditions. This standard addresses measurement methods for *in situ* measurements.

Measurement of parameters covered by this standard is limited to those phenomena that can be conducted in a power system. These include the voltage and/or current parameters, as appropriate.

The power quality parameters considered in this standard are power frequency, magnitude of the supply voltage, flicker, supply voltage dips and swells, voltage interruptions, transient voltages, supply voltage unbalance, voltage and current harmonics and interharmonics, mains signalling on the supply voltage, and rapid voltage changes. Depending on the purpose of the measurement, all or a subset of the phenomena on this list may be measured.

This standard is a performance specification, not a design specification. The uncertainty tests in the ranges of influence quantities in this standard determine the performance requirements.

This standard gives measurement methods but does not set thresholds.

The effects of transducers being inserted between the power system and the instrument are acknowledged but not addressed in detail in this standard. Precautions on installing monitors on live circuits are addressed.



New Standards – New Editions – Special Publications (cont'd)

CAN/CSA-E61965:04, 2nd edition

Mechanical Safety of Cathode Ray Tubes (Adopted IEC 61965:2003, second edition, without modification)..... \$170

This standard applies to cathode ray tubes and cathode ray tube assemblies that are intended for use as components in apparatus and that have integral protection with respect to the effects of implosion.

These requirements apply to CRTs intended for use in apparatus including electrical and electronic measuring and testing equipment, information technology equipment, medical equipment, telephone equipment, television equipment, and other similar electronic apparatus.

The CRTs covered by this standard are intended to be installed in an enclosure designed both to protect the rear of the CRT against mechanical or other damage under normal conditions of operation and to protect the user against particles expelled in a backwards direction from the CRT face in the event of implosion.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

C22.2 n° 18.5-02, 1^{re} édition

Dispositifs de fixation (norme binationale avec UL 1565) 165 \$

Cette norme s'applique aux dispositifs, métalliques et non métalliques servant à fixer – notamment mettre en paquet et assujettir – ou, jusqu'à un certain point, supporter les câbles, les fils électriques, les conduits, ou les tubes du système de câblage d'une installation électrique, pour réduire les risques d'incendie, de choc électrique ou de blessures corporelles. Cette norme s'applique notamment aux attaches pour câble, aux blocs de montage des attaches pour câble, aux brides pour câble, aux colliers pour câble et fourreau et aux fourreaux autres que des canalisations.

C22.2 n° 107.3-03, 1^{re} édition

Alimentations sans coupure (norme binationale avec UL 1778) 485 \$

Cette norme s'applique aux alimentations sans coupure. La fonction essentielle d'une alimentation sans coupure, dans le contexte de cette norme, est d'assurer la continuité d'une alimentation électrique alternative. L'alimentation sans coupure peut aussi servir à améliorer la qualité de l'alimentation électrique en maintenant celle-ci à l'intérieur d'une plage de caractéristiques préétablie. Cette norme vise les alimentations sans coupure mobiles, fixes et intégrées, destinées à des systèmes de distribution d'au plus 600 V c.a. L'appareillage en question est conçu pour être installé conformément au *Code canadien de l'électricité, Première partie* (CSA C22.1) ou au *National Electrical Code* (ANSI/NFPA 70), et, sauf indication particulière, à la norme ANSI/NFPA 75 (*Standard for the Protection of Electronic Computer Data-Processing Equipment*).



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

CAN/CSA-CEI/IEC 61000-2-8:04, 1^{re} édition (bilingue)

Compatibilité électromagnétique (CEM)–Partie 2-8: Environnement–

Creux de tension et coupures brèves sur les réseaux d'électricité publics incluant des résultats de mesures statistiques

(norme CEI/IEC 61000-2-8:2002, première édition, adoptée sans modifications) 165 \$

Ce rapport technique décrit les phénomènes électromagnétiques de perturbation des creux de tension et des coupures brèves en termes de leurs origines, effets, mesures correctrices, méthodes de mesures, et de résultats de mesures (pour autant qu'ils soient disponibles). Ils sont discutés essentiellement comme des phénomènes observés sur les réseaux d'électricité publics et ayant un effet sur l'appareillage électrique alimenté en énergie par ces réseaux.

Le creux de tension exprime la notion des termes anglais «voltage sag» et «voltage dip».

CAN/CSA-CEI/IEC 61000-4-30:04, 1^{re} édition (bilingue)

Compatibilité électromagnétique (CEM)–Partie 4-30: Techniques d'essai et de mesure–

Méthodes de mesure de la qualité de l'alimentation (norme CEI/IEC 61000-4-30:2003, première édition, adoptée sans modifications)

165 \$

La présente partie de la CEI 61000-4 définit les méthodes de mesure des paramètres de qualité de l'alimentation des réseaux à courant alternatif 50/60 Hz et la façon d'interpréter les résultats.

Pour chaque type de paramètre concerné, les méthodes de mesure sont décrites. Elles permettent d'obtenir des résultats fiables, reproductibles et comparables, ceci, quel que soit l'instrument utilisé en conformité avec la présente norme et quelles que soient ses conditions d'environnement. La présente norme porte sur les méthodes de mesure destinées aux mesures sur site.

La mesure des paramètres couverts par la présente norme se limite aux phénomènes susceptibles de se propager sur un réseau d'énergie électrique. Ils concernent selon les cas ceux relatifs à la tension et/ou au courant.

Les paramètres de qualité de l'alimentation pris en compte dans le présent document sont la fréquence, l'amplitude de la tension d'alimentation, le papillotement («flicker»), les creux et les surtensions temporaires d'alimentation, les coupures de tension, les tensions transitoires, le déséquilibre de tension d'alimentation, les harmoniques et interharmoniques de tension et de courant, les signaux transmis sur la tension d'alimentation et les variations rapides de tension.

En fonction de l'objet de la mesure, les mesures peuvent porter soit sur une partie des phénomènes de cette liste, soit sur l'ensemble.

La présente norme définit des méthodes de mesure mais ne constitue pas une spécification de réalisation. Les essais de précision dans le domaine de variation des grandeurs d'influence de la présente norme sont utilisés comme exigence fonctionnelle.

La présente norme indique des méthodes de mesure sans fixer de seuils.

Les effets des transducteurs placés entre le réseau et l'appareil de mesure sont pris en compte mais non traités en détail dans la présente norme. Les précautions à prendre pour installer des instruments de mesure sur des circuits sous tension sont indiquées dans la présente norme.



Reaffirmed Standards

CAN3-C17-M84 (R2004)

Alternating-Current Electricity Metering

C22.2 No. 9.0-96S1 (R2004)

Supplement No. 1 to C22.2 No. 9.0-96, General Requirements for Luminaires

C22.2 No. 12-1982 (R2004)

Portable Luminaires

CAN/CSA-C22.2 No. 71.1-M89 (R2004)

Portable Electric Tools

C22.2 No. 89-1976 (R2004)

Swimming-Pool Luminaires, Submersible Luminaires and Accessories

C22.2 NO. 125-M1984 (R2004)

Electromedical Equipment

CAN/CSA-C22.2 No. 147-M90 (R2004)

Motor-Operated Gardening Appliances

C22.2 No. 166-M1983 (R2004)

Stage and Studio Luminaires

CAN/CSA-C22.2 No. 189-M89 (R2004)

High-Voltage Insect Killers

C22.2 No. 206-M1987 (R2004)

Lighting Poles

CAN/CSA-C22.2 No. 207-M89 (R2004)

Portable and Stationary Electric Signs and Displays

C22.3 No. 4-1974 (R2004)

Control of Electrochemical Corrosion of Underground Metallic Structures

CAN/CSA-C156.1-M86 (R2004)

Ceramic and Glass Station Post Insulators

CAN/CSA-C156.3-M86 (R2004)

Test Methods for Station Post Insulators

CAN/CSA-C411.1-M89 (R2004)

AC Suspension Insulators

CAN/CSA-E335-1/2E-94 (R2004)

Safety of Household and Similar Electrical Appliances Part 1: General Requirements
(Adopted IEC 335-1:1976)



Reaffirmed Standards (cont'd)

CAN/CSA-E335-1/3E-94 (R2004)

Safety of Household and Similar Electrical Appliances Part 1: General Requirements
(Adopted IEC 335-1:1976)

CAN/CSA-E335-2-3-94 (R2004)

Safety of Household and Similar Electrical Appliances Part 2: Particular Requirements for Electric Irons (Adopted IEC 335-2-3:1993)

CAN/CSA-E335-2-5-94 (R2004)

Safety of Household and Similar Electrical Appliances Part 2: Particular Requirements for Dishwashers (Adopted IEC 335-2-5:1992)

CAN/CSA-E335-2-8-94 (R2004)

Safety of Household and Similar Electrical Appliances Part 2: Particular Requirements for Shavers, Hair Clippers and Similar Appliances (Adopted IEC 335-2-8:1992)

CAN/CSA-E335-2-10-94 (R2004)

Safety of Household and Similar Electrical Appliances—Part 2: Particular Requirements for Floor Treatment Machines and Wet Scrubbing Machines (Adopted IEC 335-2-10:1992)

CAN/CSA-E335-2-12-94 (R2004)

Safety of Household and Similar Electrical Appliances—Part 2: Particular Requirements for Warming Plates and Similar Appliances (Adopted IEC 335-2-12:1992)

CAN/CSA-E335-2-57-94 (R2004)

Safety of Household and Similar Electrical Appliances Part 2: Particular Requirements for Ice-Cream Appliances with Incorporated Motor-Compressors (Adopted IEC 335-2-57:1989)

CAN/CSA-E335-2-63-94 (R2004)

Safety of Household and Similar Electrical Products Part 2: Commercial Electric Water Boilers and Liquid Heaters (Adopted IEC 335-2-63:1990)

Withdrawn Standards

C49.4-1978 (R1999)

Concentric-Lay Aluminum Stranded Conductors (ASC)

CAN3-C49.6-M85 (R2000)

Zinc-Coated Steel Wires for Use in Overhead Electrical Conductors

CAN3-C49.7-M85 (R1999)

Aluminum Round Wires for Use in Overhead Electrical Conductors

C108.8-M1983 (R2000)

Electromagnetic Emissions from Data Processing Equipment and Electronic Office Machines



Withdrawn Standards (cont'd)

CAN/CSA-E60079-14:02

Electrical Apparatus for Explosive Gas Atmospheres—Part 14: Electrical Installations in Hazardous Areas (Other Than Mines) (Adopted IEC 79-14:1996)

CSA has withdrawn its endorsement of the following IEC standard:

- **IEC 60707 (1999)**
Flammability of Solid Non-Metallic Materials when Exposed to Flame Sources—List of Test Methods

Under Development

Notice of Intent

For more information about the proposed development of the following new projects, contact David Hulford at 416-747-2740 or david.hulford@csa.ca:

- **C22.2 No. 107.3, 2nd edition**
Uninterruptible Power Systems
- **C22.2 No. 250.4, 1st edition**
Portable Luminaires
- **C22.2 No. 250.7, 1st edition**
Extra-Low-Voltage Landscape Lighting Systems
- **C22.2 No. 250.8, 1st edition**
Extension Handlamps

Drafts for Public Review

Please note: Public comments about draft standards, proposed amendments, proposed adoptions and proposed endorsements listed in this issue are due by August 18, 2004.

Draft Standards

To receive copies of the following draft standards, or to offer comments, contact Annie Pereira at 416-747-4094 or annie.pereira@csa.ca:

- **C22.2 No. 178.1, 1st edition**
Transfer Switches
- **C22.2 No. 198.1, 2nd edition**
Extruded Insulating Tubing
- **C22.2 No. 198.3, 2nd edition**
Coated Electrical Sleeving



Drafts for Public Review (cont'd)

Proposed Amendments

To receive copies of the following proposed amendment, or to offer comments, contact Annie Pereira at 416-747-4094 or annie.pereira@csa.ca:

- **C22.2 No. 243-01**
Vacuum Cleaners, Blower Cleaners and Household Floor Finishing Machines
Proposed revision of various clauses.

Proposed Adoptions

For more information about the proposed adoption of the following IEC standards, contact John O'Neill at 416-747-4042 or john.oneill@csa.ca:

- **IEC 60826:2003, edition 3.0**
Design Criteria of Overhead Transmission Lines
- **IEC 61000-4-11:2004, edition 2.0**
Electromagnetic Compatibility (EMC)–Part 4-11: Testing and Measurement Techniques–Voltage Dips, Short Interruptions and Voltage Variations Immunity Tests
- **IEC 60044-1:2003, edition 1.2 (to be published as CAN/CSA-C60044-1)**
Instrument Transformers–Part 1: Current Transformers
- **IEC 60044-2:2003, edition 1.2 (to be published as CAN/CSA-C60044-2)**
Instrument Transformers–Part 2: Inductive Voltage Transformers
- **IEC 60044-3:2002, edition 2.0 (to be published as CAN/CSA-C60044-3)**
Instrument Transformers–Part 3: Combined Transformers
- **IEC 60044-5:2004, edition 1.0 (to be published as CAN/CSA-C60044-5)**
Instrument Transformers–Part 5: Capacitor Voltage Transformer
- **IEC 60044-6:1992, edition 1.0 (to be published as CAN/CSA-C60044-6)**
Instrument Transformers–Part 6: Requirements for Protective Current Transformers for Transient Performance

The proposed adoption of the 60044 series standards will include Canadian deviations.

For more information about the proposed adoption of the following IEC standards, contact David Hulford at 416-747-2740 or david.hulford@csa.ca:

- **IEC 60335-2-2:2003, edition 5**
Household and Similar Electrical Appliances–Safety–Part 2-2: Particular Requirements for Vacuum Cleaners and Water Suction Cleaning Appliances
- **IEC 60335-2-3:2002, edition 5**
Household and Similar Electrical Appliances–Safety–Part 2-3: Particular Requirements for Electric Irons



Drafts for Public Review (cont'd)

Proposed Adoptions (cont'd)

- **IEC 60335-2-5:2003, edition 5**
Household and Similar Electrical Appliances–Safety–Part 2-5: Particular Requirements for Dishwashers
- **IEC 60335-2-8:2002, edition 5**
Household and Similar Electrical Appliances–Safety–Part 2-8: Particular Requirements for Electric Shavers, Hair Clippers and Similar Appliances
- **IEC 60335-2-9:2002, edition 5**
Household and Similar Electrical Appliances–Safety–Part 2-9: Particular Requirements for Grills, Toasters and Similar Portable Cooking Appliances
- **IEC 60335-2-10:2002, edition 5**
Household and Similar Electrical Appliances–Safety–Part 2-10: Particular Requirements for Floor Treatment Machines and Wet Scrubbing Machines
- **IEC 60335-2-12:2003, edition 6.1**
Household and Similar Electrical Appliances–Safety–Part 2-12: Particular Requirements for Warming Plates and Similar Appliances
- **IEC 60335-2-13:2002, edition 5**
Household and Similar Electrical Appliances–Safety–Part 2-13: Particular Requirements for Deep Fat Fryers, Frying Pans and Similar Appliances
- **IEC 60335-2-70:2002, edition 2**
Household and Similar Electrical Appliances–Safety–Part 2-70: Particular Requirements for Milking Machines
- **IEC 60335-2-71:2002, edition 2**
Household and Similar Electrical Appliances–Safety–Part 2-71: Particular Requirements for Electrical Heating Appliances for Breeding and Rearing Animals
- **IEC 60730-1:02-am1 (2003-05)**
Amendment 1:2003 to IEC 60730-1:02, “Automatic Electrical Controls for Household and Similar Use–Part 1: General Requirements”
- **IEC 60730-2-2:2001, edition 2**
Automatic Electrical Controls for Household and Similar Use–Part 2: Particular Requirements for Thermal Motor Protectors
- **IEC 60730-2-5:2000, edition 3**
Automatic Electrical Controls for Household and Similar Use–Part 2: Particular Requirements for Automatic Electrical Burner Control Systems
- **IEC 60730-2-8:01-am1 (2002-11)**
Amendment 1:2002 to IEC 60730-2-8:01, “Automatic Electrical Controls for Household and Similar Use–Part 2: Particular Requirements for Electrically Operated Water Valves, Including Mechanical Requirements”

Drafts for Public Review (cont'd)

Proposed Adoptions (cont'd)

- **IEC 60730-2-9:01-am1 (2002-8)**
Automatic Electrical Controls for Household and Similar Use—Part 2: Particular Requirements for Temperature Sensing Controls

Proposed Withdrawal of Standards

For more information about the proposed withdrawal of CSA’s endorsement of the following IEC standard, contact John O’Neill at 416-747-4042, or john.oneill@csa.ca:

- **IEC 60795, Edition 1.0 (1984)**
Test Method for Evaluating Thermal Endurance of Flexible Sheet Materials Using the Wrapped Tube Method

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
April 30, 2004	Publication of Amendment 1:2002 to CAN/CSA-E60974-1:00, <i>Arc Welding Equipment—Part 1: Welding Power Sources.</i>	Welding Equipment No. 6
May 21, 2004	Introduction of a Component Acceptance Service for clock-operated switches.	Component Acceptance Service No. 38
June 1, 2004	Publication of CSA standard C22.2 No. 124-04, <i>Mineral-Insulated Cable.</i>	Wire and Cable No. 111



Certification Notices

Please note: ► Notices marked with an arrowhead are new in this issue.

Effective Date	Subject	Title
July 1, 2004	Publication of Technical Information Letter No. I-39, covering interim certification requirements that will be incorporated into the next edition of C22.2 No. 1.	Audio and Video Equipment No. 15
► September 30, 2004	Publication of amendments to CSA standard C22.2 No. 167-97, <i>Household Dishwashers</i> (bi-national with UL 749). The amendments clarify requirements/instructions for a power supply cord kit when the power supply cord is not permanently attached to the dishwasher, and provide additional marking requirements and tests.	Appliances No. 5
September 30, 2004	Publication of the third edition of CSA standard C22.2 No. 107.1-01, <i>General Use Power Supplies</i> . (Supersedes Certification Notice, <i>Power Supplies No. 4</i> .) (Note: The effective date was September 2002 for certain types specified in the notice.)	Power Supplies No. 18
October 12, 2004	Publication of bi-national standard C22.2 No. 62.1-03, 1st edition/UL 5A, 3rd edition, <i>Nonmetallic Surface Raceways and Fittings</i> . (Supersedes Certification Notices <i>Wiring Devices No. 19</i> and <i>Wiring Products No. 1</i> .)	Raceways and Fittings No. 4
November 15, 2004	Publication of the eighth edition of CSA standard C22.2 No. 75-03, <i>Thermoplastic Insulated Wires and Cables</i> .	Wire and Cable No. 105
December 1, 2004	Publication of Technical Information Letter No. B-69, covering medium screw-base and candelabra-screw base lamps incorporating light-emitting diodes or miniature extra-low-voltage incandescent lamps connected in series, as the light source.	Lighting Products No. 43
► December 15, 2004	Publication of Technical Information Letter No. J-33, covering interim certification requirements for expandable sleeving rated at 90 °C, 105 °C, 125 °C, 150 °C and 200 °C for bundling of insulated wires and cables.	Wire and Cable No. 110
January 1, 2005	Publication of Technical Information Letter No. B-71, announcing new requirements for neon transformers and power supplies.	Lighting Products No. 42

Certification Notices (cont'd)

January 1, 2005	Extension of effective date for the new marking requirements in Clause 17.2.2 of CSA standard C22.2 No. 250.0-00/UL 1598, <i>Luminaires</i> , to show catalog number, model number, series, or other similar marking. (Supplemental to <i>Lighting Products Notice No. 35</i> .)	Lighting Products No. 35A
February 16, 2005	Publication of the first edition of CSA standard C22.2 No. 18.4, <i>Hardware for the Support of Conduit, Tubing, and Cable</i> (Bi-national standard with UL 2239).	Wiring Devices No. 29
March 1, 2005	Publication of the first edition of CSA standard C22.2 No. 227.2.1-04, <i>Liquid-Tight Flexible Nonmetallic Conduit</i> (Bi-national standard with UL 1660).	Conduit No. 13
March 1, 2005	Publication of the first edition of CSA standard C22.2 No. 18.3, <i>Conduit, Tubing and Cable Fittings</i> (Tri-national standard with ANCE NMX-J-017 and UL 514B).	Wiring Devices No. 28
► April 1, 2005	Publication of the eighth edition of CSA standard C22.2 No. 31-04, <i>Switchgear Assemblies</i> . This edition includes requirements to add provision for: <ul style="list-style-type: none"> • lock out features of high voltage switches and circuit-breakers • lock out of low voltage switches and circuit-breakers, • padlocking of automatic shutters in metal-clad switchgear with removable breakers. 	Switchgear Assemblies No. 4
► May 24, 2005	Publication of amendments to CSA standard C22.2 No. 112-97, <i>Electric Clothes Dryers</i> (bi-national with UL 2158). The amendment clarifies the marking requirements for a pressure wire connector intended for connection of an equipment-grounding conductor.	Appliances No. 3
September 30, 2005	Publication of the second edition of CSA standard C22.2 No. 235, <i>Supplementary Protectors</i> .	Power Distribution Equipment No. 1
November 15, 2005	Publication of the fourth edition of CSA standard C22.2 No. 65, <i>Wire Connectors</i> .	Wiring Devices No. 25
March 1, 2007	Publication of CAN/CSA-C22.2 No. 60065:03, <i>Audio, Video and Similar Electronic Apparatus—Safety Requirements</i> (Adopted CEI/IEC 60065:2001, with Canadian deviations).	Audio and Video Equipment No. 16
January 1, 2010	Changes to the withdrawal dates of standards C22.2 No. 1-98, UL 469, UL 813 and UL 1492.	Audio and Video Equipment No. 16