

Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

CAN/CSA-CEI/IEC 61000-4-7:03, 1st edition (bilingual)

Electromagnetic Compatibility (EMC)–Part 4-7: Testing and Measurement Techniques–General Guide on Harmonics and Interharmonics Measurements and Instrumentation, for Power Supply Systems and Equipment Connected Thereto

(Adopted CEI/IEC 61000-4-7:2002, second edition, without modification) \$125

This standard applies to instrumentation intended for measuring spectral components in the frequency range up to 9 kHz that are superimposed on the fundamental of the power supply systems at 50 Hz and 60 Hz. For practical consideration, this standard distinguishes between harmonics, interharmonics and other components above the harmonic frequency range, up to 9 kHz.

This standard defines the measurement instrumentation intended for testing individual items of equipment in accordance with emission limits given in certain standards, as well as for the measurement of harmonic currents and voltages in actual supply systems. Instrumentation for measurements above the harmonic frequency range, up to 9 kHz, is tentatively defined.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

CAN/CSA-CEI/IEC 61000-4-7:03, 1^{re} édition (bilingue)

Compatibilité électromagnétique (CEM)–Partie 4-7: Techniques d'essai et de mesure–Guide général relatif aux mesures d'harmoniques et d'interharmoniques, ainsi qu'à l'appareillage de mesure, applicable aux réseaux d'alimentation et aux appareils qui y sont raccordés (norme CEI/IEC 61000-4-7:2002, 2^e édition, adoptée sans modifications)..... 125 \$

Cette norme s'applique à l'instrumentation destinée à mesurer les composantes spectrales dans la gamme de fréquence allant jusqu'à 9 kHz, qui se superposent au fondamental des réseaux d'alimentation à 50 Hz et 60 Hz. Pour des raisons pratiques, la présente norme établit une distinction entre les harmoniques, les interharmoniques et les composantes au-delà de la plage de fréquence harmonique, jusqu'à 9 kHz.

La norme définit l'instrumentation de mesure destinée aux essais d'appareils individuels conformément aux limites d'émission données dans certaines normes, ainsi qu'à la mesure des courants et tensions harmoniques sur les réseaux d'alimentation eux-mêmes. La définition de l'instrumentation pour les mesures au-delà de la gamme de fréquence harmonique, jusqu'à 9 kHz, est abordée dans l'annexe B.



Amendments

C22.2 No. 36-M1989 (R1999)

Hairdressing Equipment

Revision of Clauses 4.2.3, 4.2.4, 4.2.5, and 6.11.3.

CAN/CSA-C22.2 No. 144-M91 (R2001)

Ground Fault Circuit Interrupters

Revision of Clauses 3.2, 6.3, and 6.14.1, Tables 9 and 10, and Figures 8 and 9.

Clauses 6.15, 6.16, 7, Tables 11 and 12, and Figure 10 have been added.

Clauses 6.14.2 to 6.14.5 have been deleted.

Modifications publiées en français

CAN/CSA-C22.2 n° 144-M91 (R2001)

Disjoncteurs de fuite à la terre

Des modifications ont été apportées aux articles 3.2, 6.3, et 6.14.1, ainsi qu'aux tableaux 9 et 10, et aux figures 8 et 9. Les articles 6.3.1 à 6.3.3, 6.15 et 6.16, le chapitre 7, les tableaux 11 et 12 et la figure 10 ont été ajoutés. Les articles 6.14.2 à 6.14.5 ont été abrogés.

Reaffirmed Standards

C22.2 No. 208-M1986 (R2003)

Fire Alarm and Signal Cable

CAN/CSA-E1048-98 (R2003)

Capacitors for Use in Tubular Fluorescent and Other Discharge Lamp Circuits—General and Safety Requirements (Adopted IEC 1048:1991, including Technical Corrigendum 1:1992 and Amendment 1:1995)

Withdrawn Standards

C9.1-M1981 (R2001)

Guide for Loading Dry-Type Distribution and Power Transformers

Formal Interpretations

The following interpretation regarding **CSA standard C22.1-02, Section 0**, has been approved by the Technical Committee on *The Canadian Electrical Code, Part I*.

Question: For equipment such as a combination panelboard, switchgear or other similar equipment marked "Suitable for use as service entrance equipment," does a service disconnecting means such as a fused switch or circuit breaker within the equipment, have to be located in a separate compartment in order for the compartment to be deemed a "Service box" as defined in Section 0 of the CEC?

Answer: Yes.

Under Development

Notice of Intent

For more information about the proposed development of the following new project, contact John O’Neill at 416-747-4042 or john.oneill@csa.ca:

- **C61000-3-2, 1st edition**
Electromagnetic Compatibility (EMC) Part 3-2: Limits for Harmonic Current Emissions (equipment input current ≤ 16 A per phase)

Proposed adoption of IEC 61000-3-2 with Canadian deviations.

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 January 5, 2004.

Draft Standards

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

- **C22.2 No. 0.4, 3rd edition**
Bonding of Electrical Equipment

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 61000-2-7:1998**
Electromagnetic Compatibility (EMC)–Part 2: Environment–Section 7: Low Frequency Magnetic Fields in Various Environments
- **IEC 61000-2-8:2002**
Electromagnetic Compatibility (EMC)–Part 2-8: Voltage Dips and Short Interruptions on Public Power Supply Systems with Statistical Measurement Results
- **IEC 61000-2-12:2003**
Electromagnetic Compatibility (EMC)–Part 2-12: Environment–Compatibility Levels for Low-Frequency Conducted Disturbances and Signaling in Public Medium-Voltage Power Supply Systems
- **IEC 61000-4-30:2003**
Electromagnetic Compatibility (EMC)–Part 4-30: Testing and Measurement Techniques–Power Quality Measurement Methods



Drafts for Public Review (cont'd)

Proposed Adoptions (cont'd)

For more information about the proposed adoption of the following IEC standards, contact Michael Wilson at 416-747-2532 or michael.wilson@csa.ca

- **IEC 61010-1:2002**
Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use—Part 1: General Requirements
- **IEC 61010-2-010:2003**
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 61010-2-032:2002**
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 61010-2-045:2000**
Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use—Part 2-045: Particular Requirements for Washer Disinfectors used in Medical, Pharmaceutical, Veterinary and Laboratory Fields
- **IEC 61010-2-051:2003**
Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use—Part 2-051: Particular Requirements for Laboratory Equipment for Mixing and Stirring
- **IEC 61010-2-061:2003**
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 61010-2-81:2001**
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 61010-2-081-am1:2003**
Amendment 1—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 61010-2-101:2002**
Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use—Part 2-101: Particular Requirements for In Vitro Diagnostic (IVD) Medical Equipment

Proposed Withdrawal of Standards

For more information about the proposed withdrawal of the following standard, contact Michael Wilson at 416-747-2532 or michael.wilson@csa.ca

- **CAN/CSA-C22.2 No. 601.2.15-92(R2001)**
Medical Electrical Equipment–Part 2: Particular Requirements for the Safety of Capacitor Discharge X-Ray Generators (Adopted IEC 601-2-15:1998)

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
September 15, 2003	Technical Information Letter (T.I.L.) No. C-34, clarifying requirements of CSA standards C22.2 No. 745-2-3-95 (R1999), <i>Safety of Portable Electric Tools–Part 2: Particular Requirements for Grinders, Polishers and Disk-Type Sanders</i> (bi-national with UL 745-2-3) and C22.2 No. 745-2-5-95 (R1999), <i>Safety of Portable Electric Tools–Part 2: Particular Requirements for Circular Saws and Circular Knives</i> (bi-national with UL 745-2-5). This T.I.L. covers interim certification requirements for hand-held tools intended for cutting masonry, stone and/or tile that employ steel wheels with segmented and/or serrated diamond rims.	Electrical Tools No. 14

Certification Notices

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

Effective Date	Subject	Title
November 7, 2003	Publication of the third edition of CSA standard C22.2 No. 104-01, <i>Humidifiers</i> . (Supersedes Certification Notice, <i>Humidifiers No. 1</i> .)	Humidifiers No. 2
December 1, 2003	Publication of amendments to CSA standard C22.2 No. 61-M89, <i>Household Cooking Ranges</i> .	Household Cooking Ranges No. 5
January, 2 2004	Publication of a new edition of UL 943. The requirements in UL 943 are the basis for CSA certification to the US requirements, indicated by the CSA Mark with the <i>NRTL</i> or <i>US</i> indicator.	Ground Fault Circuit Interrupters No. 3

**Certification Notices (cont'd)**

Effective Date	Subject	Title
April 10, 2004	Publication of an amendment to the twelfth edition of UL 153, <i>Portable Electric Luminaires</i> . The requirements in UL 153 are the basis for CSA certification to the US requirements, indicated by the CSA Mark with the <i>NRTL</i> or <i>US</i> indicator.	Lighting Products No. 39
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 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
January 1, 2005	Publication of Technical Information Letter No. B-71, announcing new requirements for neon transformers and power supplies.	Lighting Products No. 42
March 1, 2007	Publication of CAN/CSA-C22.2 No. 60065:03, <i>Audio, Video and Similar Electronic Apparatus—Safety Requirements</i> .	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