

## **Completed Projects / Projets terminés**

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### **New Standards – New Editions – Special Publications**

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#### **C22.2 No. 43-04, 5th edition**

*Lampholders* (Bi-national standard with UL496, twelfth edition)..... \$195

The requirements of this standard apply to holders and connectors for electric lamps, including incandescent, fluorescent, and other electric-discharge-type lamps, to be used in accordance with the *Canadian Electrical Code, Part 1* (C22.1), and the *National Electrical Code* (ANSI/NFPA-70).

#### **C22.2 No. 250.0-04, 2nd edition**

*Luminaires* (Bi-national standard with UL 1598, second edition)..... \$490

This standard applies to luminaries for use in non-hazardous locations and that are intended for installation on branch circuits of 600 V nominal or less between conductors, in accordance with the *Canadian Electrical Code, Part I* (C22.1), with the U.S. *National Electrical Code* (ANSI/NFPA 70), and with the Mexican *National Electrical Code*, (NOM-001-SEDE).

This standard does not apply to luminaries covered by other standards.

#### **CAN/CSA-C61000-2-12:04, 1st edition (bilingual)**

*Electromagnetic Compatibility (EMC)–Part 2-12: Environment–Compatibility Levels for Low-Frequency Conducted Disturbances and Signalling in Public Medium-Voltage Power Supply Systems* (Adopted CEI/IEC 61000-2-12:2003, first edition, with Canadian deviations)..... \$110

This standard applies to conducted disturbances in the frequency range from 0 kHz to 9 kHz, with an extension up to 148.5 kHz specifically for mains signalling systems. It gives compatibility levels for public medium voltage a.c. distribution systems having a nominal voltage between 1 kV and 35 kV and a nominal frequency of 50 Hz or 60 Hz.

**Note:** In general, this standard is intended for application to medium-voltage distribution networks, that may, in some areas of Canada, exceed the 35 kV limit specified in this standard.



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**Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français**

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**C22.2 n° 111-00, 3<sup>e</sup> édition**

*Interrupteurs à rupture brusque tout usage* (norme binationale comprenant la douzième édition de la norme UL20) ..... 310 \$

Cette norme s'applique aux interrupteurs à rupture brusque à commande manuelle, tout usage, destinés à être connectés à des conducteurs en cuivre (Cu) ou revêtus de cuivre, utilisés conformément au *National Electrical Code (NEC)*, ANSI/NFPA 70, ou au *Code canadien de l'électricité (CCE)*, *Première partie* et à être branchés à des réseaux de câblage reconnus par le *NEC* ou le *CCE*, *Première partie*. Pour le Canada, on trouvera dans l'appendice B les exigences relatives aux interrupteurs destinés à être connectés à des conducteurs en aluminium (Al), utilisés conformément au *CCE*, *Première partie* et destinés à être branchés à des réseaux de câblage reconnus par le *CCE*, *Première partie*.

**CAN/CSA-C61000-2-12:04, 1<sup>re</sup> édition (bilingue)**

*Compatibilité électromagnétique (CEM)–Partie 2-12: Environnement–Niveaux de compatibilité pour les perturbations conduites à basse fréquence et la transmission des signaux sur les réseaux publics d'alimentation moyenne tension* (norme CEI/IEC 61000-2-12:2003, première édition, adoptée avec exigences propres au Canada)..... 110 \$

Cette norme s'applique aux perturbations conduites dans le domaine de fréquence de 0 kHz, avec une extension jusqu'à 148.5 kHz pour les systèmes de transmission de signaux sur le réseau. Elle fournit les valeurs numériques des niveaux de compatibilité pour les réseaux de distribution publics alternatifs moyenne tension, avec une tension nominale comprise entre 1 kV et 35 kV, et une fréquence nominal de 50 Hz ou 60 Hz.

**Note :** Cette norme vise les réseaux d'alimentation moyenne tension, lesquels peuvent dans certaines régions du Canada dépasser la limite de 35 kV prescrite dans cette norme.

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**Amendments**

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**C22.2 No. 127-99**

*Equipment and Lead Wires*

Revision of the Contents, Clauses 4.1.1, 6.1.23.1, 6.2.14, 6.3.9.1, 6.4, 6.6, 6.7, and 6.7.2.2.1, and Tables 1–3, 6–8, 12–14, 28, 31, 32, 38–40, and 45.

Deletion of Clause 6.3.10.

**C22.2 No. 169-97**

*Equipment and Lead Wires*

Revision of the Title page, the Copyright page, the Preface, the Foreword (CSA), the Foreword (UL), Clauses 7.2.2.3, 20.8, 20.8.1, 20.8.3, 20.8.5, 20.8.6, 20.8.8, 25.3.4, and 27.4.3, Figure 1, and Appendices A and B. Addition of Clause 7.1.2.22 and Figure 8.

Deletion of Clauses 20.8.2 and 20.8.9.

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## Modifications publiées en français

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### **C22.2 n° 111-00**

*Interrupteurs à rupture brusque tout usage* (norme binationale comprenant la douzième édition de la norme UL20)

Des modifications ont été apportées à la page titre, à la page des droits d'auteur, aux articles 4.5.3.3, 4.5.3.5, 4.9.2.2, 5.1.1, 6.2, 7.1.3 et 7.1.4.

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## Reaffirmed Standards

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### **C22.2 No. 229-M1988 (R2004)**

*Switching and Metering Centres*

### **C22.3 No. 7-94 (R2005)**

*Underground Systems*

### **C199-M1982 (R2004)**

*Three-Phase Network Transformers*

### **CAN/CSA-CEI/IEC 61000-4-2-01 (R2005)**

*Electromagnetic Compatibility (EMC)–Part 4-2: Testing and Measurement Techniques–Electrostatic Discharge Immunity Test* (Adopted CEI/IEC 61000-4-2:1995)

### **CAN/CSA-CEI/IEC 61000-4-5-01 (R2005)**

*Electromagnetic Compatibility (EMC)–Part 4: Testing and Measurement Techniques–Section 5: Surge Immunity Test* (Adopted CEI/IEC 1000-4-5:1995)

### **CAN/CSA-CEI/IEC 61000-4-12-01 (R2005)**

*Electromagnetic Compatibility (EMC)–Part 4: Testing and Measurement Techniques–Section 12: Oscillatory Waves Immunity Test–Basic EMC Publication* (Adopted CEI/IEC 1000-4-12:1995)

### **CAN/CSA-CEI/IEC 61000-4-14-01 (R2005)**

*Electromagnetic Compatibility (EMC)–Part 4-14: Testing and Measurement Techniques–Voltage Fluctuation Immunity Test* (Adopted CEI/IEC 61000-4-14:1999)

### **CAN/CSA-CEI/IEC 61000-4-28-01 (R2005)**

*Electromagnetic Compatibility (EMC)–Part 4-28: Testing and Measurement Techniques–Variation of Power Frequency, Immunity Test* (Adopted CEI/IEC 61000-4-28:1999)

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## Withdrawn Standards

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### **CAN/CSA-C49.1-M87 (R2003)**

*Round Wire, Concentric Lay, Overhead Electrical Conductors*



## ***Under Development***

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### **Notice of Intent**

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

- **C22.3 No. 1, 8th edition**  
*Overhead Systems*
- **C22.3 No. 7, 3rd edition**  
*Underground Systems*

For more information about the proposed development of the following new project, contact Tim Pope at 416-747-2572 or tim.pope@csa.ca:

- **C22.2 No. 229, 2nd edition**  
*Switching and Metering Centres*
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### **Drafts for Public Review**

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**Please note:** Public comments about draft standards, proposed amendments, proposed adoptions and proposed endorsements listed in this issue are due by April 11, 2005.

#### ***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. 84, 3rd edition**  
*Incandescent Lamps*
- **C68.5, 1st edition**  
*Primary Shielded and Concentric Neutral Cable for Distribution*

#### ***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:

- **CAN/CSA-C22.2 No. 5-02**  
*Molded-Case Circuit Breakers, Molded-Case Switches and Circuit Breaker Enclosures*  
Revision of various clauses.

## Drafts for Public Review (cont'd)

### *Proposed Adoptions*

For more information about the proposed adoption of the following IEC standards, contact Tim Pope at 416-747-2572 or tim.pope@csa.ca:

- **IEC 60079-0:2004, edition 4.0 (with Canadian deviations)**  
*Electrical Apparatus for Explosive Gas Atmospheres—Part 0: General Requirements*
- **IEC 60079-1:2003, edition 5.0 (with Canadian deviations)**  
*Electrical Apparatus for Explosive Gas Atmospheres—Part 1: Construction and Verification Test of Flameproof Enclosures of Electrical Apparatus*
- **IEC 60079-5-am1:2003, edition 2.0 (with Canadian deviations)**  
*Electrical Apparatus for Explosive Gas Atmospheres—Part 5: Sand-Filled Apparatus—Amendment 1*

## **Certification and Testing (CSA International)**

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### **Informs Notices**

<b>Date</b>	<b>Subject</b>	<b>Title</b>
December 24, 2004	Publication of CAN/CSA-C22.2 No. 61010-1-04, <i>Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use—Part 1: General Requirements</i> (tri-national standard with UL 61010-1 and ISA 82.02.01) (adopted IEC 61010-1, 2nd edition).	Hazardous Locations No. 16
December 31, 2004	Publication of CAN/CSA-E61558-1, <i>Safety of Power Transformers, Power Supply Units and Similar—Part 1: General Requirements and Tests</i> , and the CAN/CSA-E61558-2 series for the safety of transformers (adoption of the identically titled IEC standards).	Transformers No. 5



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**Certification Notices**

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

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
► December 23, 2004	Publication of the eleventh edition of CSA standard C22.2 No. 1-04, <i>Audio, Video and Similar Electronic Equipment</i> (supersedes Audio and Video Equipment Nos. 15 and 16).	Audio and Video Equipment No. 19
February 16, 2005	Publication of the first edition of CSA standard C22.2 No. 18.4-04, <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
March 31, 2005	Publication of amendment as Update No. 4 to CSA standard C22.2 No. 64-M91, <i>Household Cooking and Liquid-Heating Appliances</i> .	Household Cooking and Liquid Heating Appliances No. 14
April 1, 2005	Publication of the eighth edition of CSA standard C22.2 No. 31-04, <i>Switchgear Assemblies</i> . This edition includes new requirements to add provision for: <ul style="list-style-type: none"><li>• lock-out features of high-voltage switches and circuit-breakers</li><li>• lock-out of low-voltage switches and circuit-breakers</li><li>• padlocking of automatic shutters in metal-clad switchgear with removable breakers.</li></ul>	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
August 1, 2005	Publication of the fifth edition of CSA standard C22.2 No. 56-04, <i>Flexible Metal Conduit and Liquid-Tight Flexible Metal Conduit</i> .	Wiring Devices No. 30

**Certification Notices (cont'd)**

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
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 1, 2005	Publication of the sixth edition of CSA standard C22.2 No. 100-04, <i>Motors and Generators</i> .	Motors and Generators No. 4
November 15, 2005	Publication of the fourth edition of CSA standard C22.2 No. 65, <i>Wire Connectors</i> .	Wiring Devices No. 25
▶ January 16, 2006	Publication of the second edition of CSA standard C22.2 No. 188-04, <i>Splicing Wire Connectors</i> .	Wiring Devices No. 36
June 1, 2010	Publication of CSA standards CAN/CSA-C22.2 No. 60745-1-04 and CAN/CSA-C22.2 No. 60745-2-04 (bi-national standards with UL 60745-1 and associated Part 2 series standards).	Electrical Tools No. 15