



**CANADIAN STANDARDS  
ASSOCIATION**

**INFO UPDATE**

**Volume 2 March/April 2007**

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## Canadian Standards Association

### *Making Standards Work for People and Business*

The **Canadian Standards Association** has been a leader in standards development since 1919. Accredited by the Standards Council of Canada, we have published over 2000 standards for the safety, design and performance of a wide range of products and services. Many of our standards are cited in legislation at federal, provincial, state and municipal levels across North America. Many are internationally or regionally harmonized. All of our standards are the result of the knowledge and expertise of our members who develop the standards.

Our 9,000+ members are at the heart of the CSA process for the development of standards. They come from all walks of life and include scientists, academics, environmentalists and technicians. They represent government, industry, labour and consumers. All CSA standards are developed following principles of consensus, so that all viewpoints receive a fair hearing with no one interest group dominating.

There are two different types of membership; volunteer committee membership and sustaining membership. Our committee members contribute time and expertise to the process of standards development, and our sustaining members support this work through the payment of annual dues.

CSA is funded through the sale of information products, membership, and from interested stakeholders.

At the Canadian Standards Association, we know the power of standards to effect change and are committed to making standards work for people and business.

For more than 80 years, the Canadian Standards Association has developed standards to create a better, safer world – and we will continue to touch people's lives in positive ways for many years to come.

*Visit our web site at [www.csa.ca](http://www.csa.ca) and  
find out just how convenient  
and efficient it is to access  
all the latest information.*

## About this publication

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*Info Update* is published by the Canadian Standards Association (CSA) eight times a year. It contains important information about new and existing standards, e.g., recently published standards, and withdrawn standards. It also gives you highlights of other activities and services.

CSA offers a free online service called *Keep Me Informed* that will notify registered users when each new issue of *Info Update* is published. To register go to <http://www.csa-intl.org/onlinestore/KeepMeInformed/PleaseIdentifyYourself.asp?Language=EN>.

Information is organized into the eight program areas listed below.



**Communications/Information** includes Information Technology • Telecommunications



**Construction Products & Materials** includes Building Products • Building Systems (Industrialized Buildings) • Concrete • Forest Products • Masonry • National Construction Codes • Offshore Structures • Plumbing Products and Materials • Structures (Design) • Welding and Structural Metals



**Electrical/Electronics** includes the Canadian Electrical Code, Part I • Canadian Electrical Code, Part II – General Requirements • Canadian Electrical Code, Part II – Consumer and Commercial Products, Industrial Products, and Wiring Products • Canadian Electrical Code Part III – Outside Wiring • Electrical Engineering Standards • Electromagnetic Compatibility



**Energy** includes Fire Safety and Fuel Burning Equipment • Nuclear • Oil and Gas Industry Systems and Materials • Performance, Energy Efficiency and Renewables



**Environment** includes Environmental Management • Environmental Technology



**Gas Equipment** includes Natural Gas and Propane Installation Codes • Natural Gas and Propane Vehicle Fuel Systems and Industrial Engines • Accessories • Domestic and Commercial Water Heaters and Boilers • Food Processing and Food Refrigeration • Gas Fired Domestic and Commercial Heating Equipment and Air Conditioning • Incineration • Large Input Commercial and Industrial Equipment (Over 400,000 Btu/H) • Laundry Equipment • Performance Test Methods • Portable-Type Camping Equipment • Gas Technician Training Materials



**Life Sciences** includes Community Safety and Well-being • Health Care Technology • Mechanical Industrial Equipment • Occupational Health & Safety



**Quality/Business Management** includes Basic Engineering • Public Involvement • Quality Assurance • Quality Auditing • Quality Management • Reliability • Risk Management

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## What you'll find

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Within each program, information is organized into the following sections:

### **Completed Projects / Projets terminés**

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

This section lists new standards, new editions (including adoptions), and special publications that have been published since the last issue of *Info Update*. To place your order call 1-800-463-6727 or visit our Online Store at <http://www.csa.ca>. Prices shown are quoted in Canadian dollars and do not include applicable taxes or shipping charges. Our office locations are listed at the end of this document.

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

Cette section énumère les nouvelles normes et éditions (y compris les normes adoptées) ainsi que les publications spéciales qui ont paru depuis la dernière livraison du bulletin *Info-Update*. Pour commander, composez le 1 800 463-6727 ou visitez notre Boutique en ligne, au <http://www.csa.ca>. Les prix sont indiqués en dollars canadiens et ne comprennent pas les taxes pertinentes ni les frais d'expédition. La liste de nos bureaux est présentée à la fin de ce document.

#### ▼ **Amendments**

Amendments are issued periodically for some standards. This section lists amendments that have been published since the last issue of *Info Update*. Most amendments are made available to the purchaser free of charge by returning the update notification card included in the standard or registering online for the update service through the Online Store at <http://www.csa.ca> and clicking on "My Account" on the navigation bar. Amendments developed by other standards development organizations, and adopted by CSA are made available for a fee. The prices shown are quoted in Canadian dollars and do not include applicable taxes or shipping charges.

#### ▼ **Modifications publiées en français**

Dans le cas de certaines normes, des modifications sont publiées à intervalles réguliers. Cette section présente la liste des modifications publiées depuis la dernière livraison du bulletin *Info-Update*. La plupart des modifications étant offertes gratuitement, vous n'avez qu'à remplir et à nous retourner la carte d'avis de mise à jour incluse avec chaque norme. Vous pouvez également vous inscrire en direct à notre service de mise à jour en vous rendant à la Boutique en ligne, au <http://www.csa.ca>, et en cliquant sur le bouton « Mon compte » de la barre de navigation. Des frais s'appliquent toutefois aux modifications élaborées par d'autres organismes de normalisation et adoptées par la CSA. Les prix sont indiqués en dollars canadiens et ne comprennent pas les taxes pertinentes ni les frais d'expédition.

#### ▼ **Adopted Standards**

Adopted standards have been developed by another standards development organization and have been approved by our technical committee for use in Canada, with or without modification. They are available for sale from CSA. You will find published adopted standards listed under "*New Standards — New Editions — Special Publications*."

#### ▼ **Endorsed Standards**

Endorsed standards have been developed by another standards development organization, and have been approved by the appropriate CSA technical committee for use in Canada.

Endorsed standards are not sold by CSA.

For copies, contact the originating organization or Global Info Centre Canada at 1-800-854-7179 or 613-237-4250; fax 613-237-4251; e-mail [gic@ihscanada.ca](mailto:gic@ihscanada.ca); Web site <http://www.global.ihs.com>.

## **Completed Projects (cont'd) / Projets terminés (suite)**

### ▼ Reaffirmed Standards

The standards listed in this section have been reviewed to determine if they remain technically valid and are acceptable for use until the next edition is published or for a further five years.

### ▼ Withdrawn Standards

The standards listed in this section have been withdrawn. Most withdrawn standards are available from our archived collection. Some copies may not be in original format.

To order, call toll-free 1-800-463-6727 (in Toronto, 416-747-4044).

### ▼ Formal Interpretations

This section lists questions that individuals have submitted about a particular standard. Each question has been reviewed and answered by the appropriate committee. If you would like to submit a question about a particular standard, please see the end notes in the preface of that standard.

## **Under Development**

The *Under Development* section formerly published in *Info Update* is now available directly on the CSA website. This enhancement allows us to provide you with these important notifications on a more timely basis. To visit the new "Current Standards Activities" page, go to: <http://standardsactivities.csa.ca/standardsactivities/default.asp?language=en>.

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

### ▼ Informs Notices (Bulletins from CSA International)

An *Informs* is a notice containing information only. It does not contain anything that would require you to resubmit products for certification. If you would like a copy of an *Informs* notice, call CSA International at 416-747-4171, or fax 416-747-2476.

### ▼ Certification Notices

Certification notices inform you about changes that would require a product to be resubmitted for certification or about critical factors that may affect a product's certification. Products must comply with the changed requirements by the effective dates given.

CSA certification and testing clients receive these notices automatically. If you did not receive a copy or would like to receive one, call CSA International at 416-747-4171, or fax 416-747-2476.



### Produits et matériaux de construction

[A23.3-04, 5<sup>e</sup> édition](#)

*Calcul des ouvrages en béton*

[Z782-06, 1<sup>re</sup> édition](#)

*Lignes directrices pour la conception en vue du désassemblage et de l'adaptabilité dans les bâtiments*



### Electrical/Electronics

[C22.2 No. 4248.1-07, 1st edition](#)

*Fuseholders — Part 1: General Requirements* (tri-national with NMX-J-009/4248/1-ANCE, first edition, and UL 4248-1, first edition)

[C22.2 No. 4248.4-07, 1st edition](#)

*Fuseholders — Part 4: Class CC* (tri-national with NMX-J-009/4248/4-ANCE, first edition, and UL 4248-4, first edition)

[C22.2 No. 4248.5-07, 1st edition](#)

*Fuseholders — Part 5: Class G* (tri-national with NMX-J-009/4248/5-ANCE, first edition, and UL 4248-5, first edition)

[C22.2 No. 4248.6-07, 1st edition](#)

*Fuseholders — Part 6: Class H* (tri-national with NMX-J-009/4248/6-ANCE, first edition, and UL 4248-6, first edition)

[C22.2 No. 4248.8-07, 1st edition](#)

*Fuseholders — Part 8: Class J* (tri-national with NMX-J-009/4248/8-ANCE, first edition, and UL 4248-8, first edition)

[C22.2 No. 4248.9-07, 1st edition](#)

*Fuseholders — Part 9: Class K* (tri-national with NMX-J-009/4248/9-ANCE, first edition, and UL 4248-9, first edition)

[C22.2 No. 4248.11-07, 1st edition](#)

*Fuseholders — Part 11: Type C (Edison Base) and Type S Plug Fuse* (tri-national with NMX-J-009/4248/11-ANCE, first edition, and UL 4248-11, first edition)

[C22.2 No. 4248.12-07, 1st edition](#)

*Fuseholders — Part 12: Class R* (tri-national with NMX-J-009/4248/12-ANCE, first edition, and UL 4248-12, first edition)

[C22.2 No. 4248.15-07, 1st edition](#)

*Fuseholders — Part 15: Class T* (tri-national with NMX-J-009/4248/15-ANCE, first edition, and UL 4248-15, first edition)

## Electrical/Electronics (cont'd)

### [CAN/CSA-CEI/IEC 61000-4-3:07, 2nd edition \(bilingual\)](#)

*Electromagnetic compatibility (EMC) — Part 4-3: Testing and measurement techniques — Radiated, radio-frequency, electromagnetic field immunity test*  
(Adopted CEI/IEC 61000-4-3:2006, third edition, without modification)

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## Électricité et électronique

### [C22.3 n° 1-06, 8<sup>e</sup> édition](#)

*Réseaux aériens*

### [CAN/CSA-CEI/IEC 61000-4-3:07, 2<sup>e</sup> édition \(bilingue\)](#)

*Compatibilité électromagnétique (CEM) — Partie 4-3: Techniques d'essai et de mesure — Essai d'immunité aux champs électromagnétiques rayonnés aux fréquences radioélectriques*  
(norme CEI/IEC 61000-4-3:2006, troisième édition, adoptée sans modification)

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## Energy

### [N290.5-06, 2nd edition](#)

*Requirements for Electrical Power and Instrument Air Systems of CANDU Nuclear Power Plants*

### [N293-07, 3rd edition](#)

*Fire Protection for CANDU Nuclear Power Plants*

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## Énergie

### [C746-06, 3<sup>e</sup> édition](#)

*Évaluation des performances des climatiseurs et des thermopompes de grande puissance et des climatiseurs verticaux monoblocs*

### [C861-06, 2<sup>e</sup> édition](#)

*Performances des lampes fluorescentes compactes à ballast intégré et des adaptateurs à ballast*

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## Gas Equipment

### [ANSI Z83.11-2006/CSA 1.8-2006, 3rd edition](#)

*Gas Food Service Equipment*

### [ANSI Z21.24-2006/CSA 6.10-2006, 3rd edition](#)

*Connectors for Gas Appliances*

### [ANSI Z21.5.1-2006/CSA 7.1-2006, 4th edition](#)

*Gas Clothes Dryers — Volume I, Type I Clothes Dryers*

### [ANSI LC4-2007, 1st edition](#)

*Press-Connect Copper and Copper Alloy Fittings for Use in Fuel Gas Distribution Systems*

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## Life Sciences

[CAN/CSA-B651.2-07, 1st edition](#)

*Accessible Design for Self-Service Interactive Devices*



## Sciences de la Vie

[CAN/CSA-B651.2-07, 1<sup>re</sup> édition](#)

*Conception accessible des dispositifs interactifs libre-service*

[Z617-06, 1<sup>re</sup> édition](#)

*Équipement de protection individuelle (EPI) contre les traumatismes contondants*

[Z7396.1-06, 1<sup>re</sup> édition](#)

*Réseaux de canalisations de gaz médicaux — Première partie : Canalisations pour les gaz médicaux et l'aspiration médicale*





**This issue contains no updates  
in this subject area**



## Completed Projects / Projets terminés

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

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#### **A23.3-04, 5<sup>e</sup> édition**

*Calcul des ouvrages en béton*..... 125 \$

Cette norme prescrit des exigences relatives au calcul et à l'évaluation :

- des ouvrages en béton armé et précontraint
- des éléments en béton non armé
- des ouvrages spéciaux, comme les ouvrages de stationnement, les arches, les réservoirs, les silos, les tours, les châteaux d'eau, les ouvrages résistant aux explosions et les cheminées, en conformité aux *Code national du bâtiment du Canada*.

#### **Z782-06, 1<sup>re</sup> édition**

*Lignes directrices pour la conception en vue du désassemblage et de l'adaptabilité dans les bâtiments*..... 35 \$

Les lignes directrices présentées ici ont trait à la réduction des répercussions économiques, environnementales et sociales négatives des activités de construction de bâtiments par la mise en application des principes de conception en vue du désassemblage et de l'adaptabilité (CDA). La CDA sert à cerner les démarches de conception et les éventuelles solutions en matière de réduction des déchets, à établir des processus qui tiennent compte des particularités propres au désassemblage et à l'adaptabilité des systèmes ainsi qu'à adopter des stratégies visant spécifiquement la structure d'un bâtiment ou les parties de celle-ci (l'enveloppe, par exemple). Cette démarche de conception ne s'applique qu'aux bâtiments (de n'importe quel type, y compris les bâtiments commerciaux, industriels, institutionnels et résidentiels).

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### Amendments

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#### **A220 Series-06**

*Concrete Roof Tiles*

Revision of the preface.

#### **CAN/CSA-A440.2-04/A440.3-04**

*Energy Performance of Windows and Other Fenestration Systems /  
User Guide to CSA A440.2-04*

Revision of the outside front cover and the title pages. Addition of National Standards of Canada text.

#### **B70-06**

*Cast Iron Soil Pipe, Fittings, and Means of Joining*

Revision of Clause 8 and Annex A.



## **Amendments (cont'd)**

### **CAN/CSA-B602-05**

*Mechanical Couplings for Drain, Waste, and Vent Pipe and Sewer Pipe*

Revision of the outside front cover and the title page. Addition of National Standards of Canada text.

### **CAN/CSA-S157-05/S157.1-05**

*Strength Design in Aluminum / Commentary on CSA S157-05*

Revision of the outside front cover and the title pages. Addition of National Standards of Canada text.

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## **Modifications publiées en français**

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### **A23.3-04**

*Calcul des ouvrages en béton*

Des modifications ont été apportées aux articles 13.2.3 à 13.2.5 et D.1.3 et à la figure D.9.

### **CAN/CSA-A440.2-04/A440.3-04**

*Rendement énergétique des fenêtres et autres systèmes de fenestration / Guide d'utilisation de la CSA A440.2-04*

Des modifications ont été apportées à la première de couverture et aux pages titre. Le texte relatif aux Normes nationales du Canada a été ajouté.

### **B70-06**

*Tuyaux et raccords d'évacuation d'eaux usées en fonte et méthodes de raccordement*

Des modifications ont été apportées au chapitre 8 et à l'annexe A.

### **CAN/CSA-B602-05**

*Jointes mécaniques pour tuyaux d'évacuation, de ventilation et d'égout*

Des modifications ont été apportées à la première de couverture et à la page titre. Le texte relatif aux Normes nationales du Canada a été ajouté.

### **CAN/CSA-S157-05/S157.1-05**

*Calcul de la résistance mécanique des éléments en aluminium / Commentaire sur la CSA S157-05*

Des modifications ont été apportées à la première de couverture et aux pages titre. Le texte relatif aux Normes nationales du Canada a été ajouté.

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## Reaffirmed Standards

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**CAN3-D313-M85 (R2007)**

*Trailer Running Gear*

**O118.1-97 (R2007)**

*Western Cedars Shakes and Shingles*

**O118.2-M1981 (R2007)**

*Eastern White Cedar Shingles*

**CAN/CSA-S16-01 (R2007)**

*Limit States Design of Steel Structures*

**S413-94 (R2007)**

*Parking Structures*

**W186-M1990 (R2007)**

*Welding of Reinforcing Bars in Reinforced Concrete Construction*

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## Withdrawn Standards

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**G387-M1981 (R2003)**

*Steel Wire Rope for Elevators*

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

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## Certification Notices

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

Effective Date	Subject	Title
May 1, 2007	Publication of Update No. 2 to CSA standard B127.1-99, <i>Asbestos Cement Drain Waste and Vent Pipe and Pipe Fittings</i> .	Plumbing Products No. 168
June 1, 2007	Announcing changes to the Drinking Water Products Program. This program has been moved from the component certification program to the certification program for drinking water.	Drinking Water Products No. 7
October 1, 2007	Publication of CSA standard A283-06, <i>Qualification Code for Concrete Testing Laboratories</i> .	Concrete Testing Laboratories No. 10
October 1, 2007	Publication of CSA standard B45.11-2006, <i>Glass Lavatories</i> , and Updates No. 1 and 2.	Plumbing Products No. 173



## Completed Projects / Projets terminés

### New Standards – New Editions – Special Publications

#### **C22.2 No. 4248.1-07, 1st edition**

*Fuseholders — Part 1: General Requirements* (tri-national with NMX-J-009/4248/1-ANCE, first edition, and UL 4248-1, first edition) ..... \$205

This standard covers fuseholders and devices that accommodate fuses to be used in electrical circuits and that are intended to be used in accordance with the *Canadian Electrical Code, Part I* (CEC, Part 1), the *National Electrical Code* (NEC), or the *Mexican Electrical Code*.

#### **C22.2 No. 4248.4-07, 1st edition**

*Fuseholders — Part 4: Class CC* (tri-national with NMX-J-009/4248/4-ANCE, first edition, and UL 4248-4, first edition) ..... \$205

This standard covers fuseholders intended for use with Class CC fuses as described in NMX-J-009/248/4-2000-ANCE, CSA C22.2 No. 248.4, UL 248-4, *Low-Voltage Fuses — Part 4: Class CC Fuses*.

#### **C22.2 No. 4248.5-07, 1st edition**

*Fuseholders — Part 5: Class G* (tri-national with NMX-J-009/4248/5-ANCE, first edition, and UL 4248-5, first edition) ..... \$205

This standard covers fuseholders intended for use with Class G fuses as described in NMX-J-009/248/5-2000-ANCE, CSA C22.2 No. 248.5, UL 248-5, *Low-Voltage Fuses — Part 5: Class G Fuses*.

#### **C22.2 No. 4248.6-07, 1st edition**

*Fuseholders — Part 6: Class H* (tri-national with NMX-J-009/4248/6-ANCE, first edition, and UL 4248-6, first edition) ..... \$205

This standard covers fuseholders intended for use with Class H fuses as described in NMX-J-009/248/6-2000-ANCE, CSA C22.2 No. 248.6, UL 248-6, *Low-Voltage Fuses — Part 6: Class H Non-Renewable*; and NMX-J-009/248/7-2000-ANCE, C22.2 No. 248.7, UL 248-7, *Low-Voltage Fuses — Part 7: Class H Renewable Fuses*.

#### **C22.2 No. 4248.8-07, 1st edition**

*Fuseholders — Part 8: Class J* (tri-national with NMX-J-009/4248/8-ANCE, first edition, and UL 4248-8, first edition) ..... \$205

This standard covers fuseholders intended for use with Class J fuses as described in NMX-J-009/248/8-2000-ANCE, CSA C22.2 No. 248.8, UL 248-8, *Low-Voltage Fuses — Part 8: Class J Fuses*.



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

#### **C22.2 No. 4248.9-07, 1st edition**

*Fuseholders — Part 9: Class K* (tri-national with NMX-J-009/4248/9-ANCE, first edition, and UL 4248-9, first edition) ..... \$205

This standard covers fuseholders intended for use with Class K fuses as described in NMX-J-009/248/9-2000-ANCE, CSA C22.2 No. 248.9, UL 248-9, *Low-Voltage Fuses — Part 9: Class K Fuses*.

#### **C22.2 No. 4248.11-07, 1st edition**

*Fuseholders — Part 11: Type C (Edison Base) and Type S Plug Fuse* (tri-national with NMX-J-009/4248/11-ANCE, first edition, and UL 4248-11, first edition) ..... \$205

The requirements in this standard cover the following:

- fuseholders intended for use with Type C (Edison-base) and Type S Plug Fuses as described in NMX-J-009/248/11-2000-ANCE, CSA C22.2 No. 248.11, UL 248-11, *Low-Voltage Fuses — Part 11: Plug Fuses*
- devices intended to be added to Edison-base fuseholders to reject fuses with larger ampere ratings
- devices intended to adapt Type S plug fuses for use in Edison-base fuseholders.

#### **C22.2 No. 4248.12-07, 1st edition**

*Fuseholders — Part 12: Class R* (tri-national with NMX-J-009/4248/12-ANCE, first edition, and UL 4248-12, first edition) ..... \$205

This standard covers fuseholders intended for use with Class R fuses as described in NMX-J-009/248/12-2000-ANCE, CSA C22.2 No. 248.12, UL 248-12, *Low-Voltage Fuses — Part 12: Class R Fuses*.

#### **C22.2 No. 4248.15-07, 1st edition**

*Fuseholders — Part 15: Class T* (tri-national with NMX-J-009/4248/15-ANCE, first edition, and UL 4248-15, first edition) ..... \$195

This standard covers fuseholders intended for use with Class T fuses as described in NMX-J-009/248/15-2000-ANCE, CSA C22.2 No. 248.15, UL 248-15, *Low-Voltage Fuses — Part 15: Class T Fuses*.

#### **CAN/CSA-CEI/IEC 61000-4-3:07, 2nd edition (bilingual)**

*Electromagnetic compatibility (EMC) — Part 4-3: Testing and measurement techniques — Radiated, radio-frequency, electromagnetic field immunity test* (Adopted CEI/IEC 61000-4-3:2006, third edition, without modification) ..... \$185

This standard applies to the immunity requirements of electrical and electronic equipment to radiated electromagnetic energy. It establishes test levels and the required test procedures.

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

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**C22.3 n° 1-06, 8<sup>e</sup> édition***Réseaux aériens* ..... 165 \$

Cette norme s'applique aux lignes et au matériel des services publics d'électricité et de télécommunications, situés complètement à l'extérieur des bâtiments et des stations clôturées.

Il n'est pas nécessaire que les installations existantes, y compris les remplacements nécessaires à l'entretien, les ajouts et les modifications, conformes à la conception d'origine laquelle est conforme aux éditions, antérieures de cette norme soient modifiées pour assurer la conformité à cette édition de la norme sauf si cela est exigé, pour des raisons de sécurité, par l'autorité compétente.

**CAN/CSA-CEI/IEC 61000-4-3:07, 2<sup>e</sup> édition (bilingue)***Compatibilité électromagnétique (CEM) — Partie 4-3: Techniques d'essai et de mesure — Essai d'immunité aux champs électromagnétiques rayonnés aux fréquences radioélectriques (norme CEI/IEC 61000-4-3:2006, troisième édition, adoptée sans modification)* ..... 185 \$

Cette norme traite de l'immunité des matériels des électriques et électroniques à l'énergie électromagnétique rayonnée. Elle définit les niveaux d'essai et les procédures d'essai nécessaires.

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**Amendments**

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**CAN/CSA-C2.1-06***Single-Phase and Three-Phase Liquid-Filled Distribution Transformers*

Revision of the outside front cover and the title page. Addition of National Standards of Canada text.

**C22.1-06***Canadian Electrical Code, Part I, Twentieth Edition*

The following is a list of errata that have been identified in the 2006 edition of the *Canadian Electrical Code, Part I*; the list also includes editorial changes that will be made in the next edition (2009).

**Section 78, Subcommittee** — “T. Branch” should read “R. Branch”.

**Reference publications** — “CSA C22.2 No. 59” should read “C22.2 No. 159”.

**Reference publications** — Delete the standard CSA C22.2 No. 59.1.

**Section 0, Definitions** — Delete the definition for “Repellent”.

**Rule 2-102(4)** — Add a delta symbol in the margin.

**Rule 10-1102(1)** — The Subrule should read “Neutral grounding devices shall be permitted to be used only on systems where all neutral conductors are insulated to the nominal system voltage”.

**Rule 10-1108(2)** — Delete the word “that”.

**Rule 12-318(b)(i) and (ii)** — “NS-75” and “NS-90” should read “NS75” and “NS90”.



## Amendments (cont'd)

### C22.1-06 (cont'd)

**Rule 12-806(h)** — “3 A” should read “30 A”.

**Rule 20-012(2)** — “Rules 18-108(1)(a)(iii) and 18-158(1)(a)(ii)” should read “Rules 18-108(3)(c) and 18-158(3)(b)”.

**Rule 20-108(1)** — “Rule 18-158(1)(a)(ii)” should read “Rule 18-158(3)(b)”.

**Rule 26-260(1)** — “Subrules (2), (3), and (4)” should read “Subrules (2) and (3)”.

**Rule 70-122(4)** — The second “(a)” should read “(b)”.

**Appendix B Note to Rule 10-814(3)** — Delete.

**Appendix B Note to Rule 18-108(6)(a)** — “Subrule (2)(a)(i) and (ii)” should read “Subrule (6)(a)(i) and (ii)”, and “Subrule (2)(a)(ii)” should read “Subrule (6)(a)(ii)”.

**Appendix B Note to Rules 18-114, 28-314** — Delete Item (a) from the reference list.

**Appendix B Note to Rule 32-200** — At the end of Item (b), the word “and” should read “or”.

**Appendix B Note to Rule 72-110** — In the first sentence, “Subrule (1)(b)” should read “Subrule (1)(c)”. The second sentence should read “The 5-15R, 5-20RA and 14-50R receptacle configurations referred to in Subrules (1)(a), 1(b) and (1)(d) are shown in Diagram 1.”

**Appendix D, Table D3, Note (3)** — In the last sentence, “...calculation of allowable ampacity...” should read “...calculation and the allowable ampacity...”.

**Appendix D, Table D3, Note (9)** — Delete the sentence, “Beyond this distance a larger size of conductor is required, e.g., No. 10 AWG (30 A allowable ampacity) beyond 37 m up to and including 62 m.”

Delete the calculation, “ $9.7 \text{ m} \times 3(\%) \times 1.06 \times \frac{240 \text{ V}}{120\text{V}} = 62 \text{ m}$ ”.

**Appendix D, Table D16** — Add “See Rules 28-106, 28-200, and 28-208” beneath the title.

**Appendix J, Rule J18-158(3)(b)** — “Zone” should read “Division”.

**Appendix J, Rule J20-062(1)** — Replace all of Subrule (1) with the following:

(1) The areas surrounding compressors shall be classified as follows:

- (a) in an outdoor location the space within 4.5 m in all directions from the compressor shall be considered to be a Class I, Division 2 location;
- (b) if the compressor is enclosed, the space within the compressor enclosure shall be considered a Class I, Division 1 location;
- (c) if the compressor is enclosed, the space within 3 m in all directions from non-gas-tight, non-welded seams and openings in the enclosure shall be considered a Class I, Division 2 location;
- (d) a compressor shall be regarded as enclosed when it is sheltered by a building or enclosure having four sides, a roof, and limited ventilation; and
- (e) when a gas-tight wall is located within the distances specified in Items (a) and (c), the distances shall be measured around the end of the wall, over the wall, or through any doors, windows, or openings in the wall.



**Amendments (cont'd)**

**C22.1-06 (cont'd)**

- Index** — All index references to the 12-3002 to 12-3038 series of Rules should have 2 subtracted, e.g., “12-3038” should read “12-3036”. (37 occurrences)
- Index** — “Cables, Travelling” — “36-008” should read Rules 38-012, 38-021, 38-036, 38-041, 38-043, 38-044, and 60-312.
- Index** — “Ground fault circuit interrupters” — “30-322” should read “Rule 30-320”. Delete “24-106” and “26-714” from the list.
- Index** — “Grounding, electrodes, interconnection of” and “Interconnection, ground electrodes” — Delete “10-706” and “54-308”, and add “54-304” and “60-710”.
- Index** — “Insulation, integrity” — “2-130” should read “2-132”. **Index** — “Switches, transfer” — “32-206” should read “32-208”.

**CAN/CSA-E60730-1A:02 (bilingual)**

*Amendment 1:2007 to CAN/CSA-E60730-1:02, “Automatic electrical controls for household and similar use — Part 1: General requirements” (Adopted Amendment 1:2003 to CEI/IEC 60730-1:1999, with Canadian deviations) ..... \$140*

This document provides revisions to CAN/CSA-E60730-1:02.

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**Modifications publiées en français**

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**CAN/CSA-C2.1-06**

*Transformateurs de distribution monophasés et triphasés à liquide diélectrique*

Des modifications ont été apportées à la première de couverture et à la page titre. Le texte relatif aux Normes nationales du Canada a été ajouté.

**CAN/CSA-E60730-1A:02 (bilingue)**

*Modification 1:2007 à la norme CAN/CSA-E60730-1:02, «Dispositifs de commande électrique automatiques à usage domestique et analogue — Partie 1: Règles générales» (norme CEI/IEC 60730-1:1999, Amendement 1:2003, adoptée avec les exigences propres au Canada) ..... 140 \$*

Ce document renferme des modifications à la CAN/CSA-E60730-1:02.



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## Reaffirmed Standards

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### **C9-02 (R2007)**

*Dry-Type Transformers*

### **CAN/CSA-C22.2 No. 47-M90 (R2007)**

*Air-Cooled Transformers (Dry Type)*

### **CAN/CSA-C22.2 No. 76-M92 (R2007)**

*Splitters*

### **C22.2 No. 98-1954 (R2007)**

*Power-Operated Radio Transmitters*

### **CAN/CSA-C71-2-98 (R2007)**

*Insulation co-ordination — Part 2: Application guide* (Adopted CEI/IEC 71-2:1996, third edition, with Canadian deviations)

### **C199-M1982 (R2007)**

*Three-Phase Network Transformers*

### **CAN/CSA-C1325-99 (R2007)**

*Insulators for overhead lines with a nominal voltage above 1 000 v — Ceramic or glass insulator units for d.c. systems — Definitions, test methods and acceptance criteria* (Adopted CEI/IEC 1325:1995, first edition, with Canadian deviations)

### **CAN/CSA-C60104:03 (R2007)**

*Aluminium-magnesium-silicon alloy wire for overhead line conductors* (Adopted CEI/IEC 60104:1987, second edition, with Canadian deviations)

### **CAN/CSA-C60871-2:03 (R2007)**

*Shunt capacitors for a.c. power systems having a rated voltage above 1 000 V — Part 2: Endurance testing* (Adopted CEI/IEC/TS 60871-2:1999, second edition, without modification)

### **CAN/CSA-C60888:03 (R2007)**

*Zinc-coated steel wires for stranded conductors* (Adopted CEI/IEC 888:1987, first edition, with Canadian deviations)

### **CAN/CSA-C60889:03 (R2007)**

*Hard-drawn aluminium wire for overhead line conductors* (Adopted CEI/IEC 889:1987, first edition, with Canadian deviations)

### **CAN/CSA-C61232:03 (R2007)**

*Aluminum-clad steel wires for electrical purposes* (Adopted CEI/IEC 1232:1993, first edition, without modification)



## Reaffirmed Standards (cont'd)

### **CAN/CSA-E60598-2-3B-98 (R2007)**

*Amendment 2:2002 to CAN/CSA-E60598-2-3-98, “Luminaires — Part 2-3: Particular requirements — Luminaires for road and street lighting”* (Adopted Amendment 2:2000 to CEI/IEC 598-2-3:1993, without modification)

### **CAN/CSA-E60598-2-5:02 (R2007)**

*Luminaires — Part 2-5: Particular requirements — Floodlights*  
(Adopted CEI/IEC 60598-2-5:1998, second edition, with Canadian deviations)

### **CAN/CSA-E598-2-8A-98 (R2007)**

*Amendment 1:2002 to CAN/CSA-E598-2-8-98, “Luminaires — Part 2-8: Particular requirements — Handlamps”* (Adopted Amendment 1:2000 to CEI/IEC 598-2-8:1996, without modification)

### **CAN/CSA-E598-2-19B-98 (R2007)**

*Amendment 2:2002 to CAN/CSA-E598-2-19-98, “Luminaires — Part 2-19: Particular requirements — Section Nineteen: Air-handling luminaires (safety requirements)”*  
(Adopted Amendment 2:1997 to CEI/IEC 598-2-19:1981, without modification)

### **CAN/CSA-E730-2-4B-94 (R2007)**

*Amendment 2:2002 to CAN/CSA-E730-2-4-94, “Automatic electrical controls for household and similar use — Part 2-4: Particular requirements for thermal motor protectors for motor-compressors of hermetic and semi-hermetic type”*  
(Adopted Amendment 2:2001 to CEI/IEC 730-2-4:1990, without modification)

### **CAN/CSA-E60730-2-8:01 (R2007)**

*Automatic electrical controls for household and similar use — Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements*  
(Adopted CEI/IEC 60730-2-8:2000, second edition, without modification)

### **CAN/CSA-E60730-2-9:01 (R2007)**

*Automatic electrical controls for household and similar use — Part 2-9: Particular requirements for temperature sensing controls* (Adopted CEI/IEC 60730-2-9:2000, second edition, without modification)

### **CAN/CSA-E60974-1A-00 (R2007)**

*Amendment 1:2002 to CAN/CSA-E60974-1-00, “Arc welding equipment — Part 1: Welding power sources”* (Adopted Amendment 1:2000 to CEI/IEC 60974-1:1998, with Canadian deviations)

### **CAN/CSA-E60974-7:02 (R2007)**

*Arc welding equipment — Part 7: Torches* (Adopted CEI/IEC 60974-7:2000, first edition, with Canadian deviations)

**Reaffirmed Standards (cont'd)**

CSA has reaffirmed its endorsement of the following IEC standards:

- **IEC 60464-2 (2001)**  
Varnishes used for electrical insulation — Part 2: Test methods
- **IEC 60464-3-1**  
Varnishes used for electrical insulation — Part 3: Specifications for individual materials, Sheet 1: Ambient curing finishing varnishes
- **IEC 60464-3-2**  
Varnishes used for electrical insulation — Part 3: Specifications for individual materials, Sheet 2: Hot curing impregnating varnishes

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

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

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
March 30, 2007	Publication of Technical Information Letter No. A-32, providing interim certification requirements for outdoor portable multiple-receptacle extension boxes.	Wiring Devices No. 41
June 1, 2007	Publication of CSA standard C22.2 No. 198.2-05, <i>Sealed Wire Connector Systems</i> (tri-national standard with UL486D and NMX-J-519-ANCE-05).	Wiring Devices No. 43
June 1, 2007	Publication of amendments to CSA standard CAN/CSA-C22.2 No. 60745-1-04, <i>Hand-held motor-operated electric tools — Safety — Part 1: General requirements</i> (bi-national standard, with UL 60745-1), and four new CAN/CSA-C22.2 No. 60745 Part 2-05 standards, covering concrete vibrators, strapping tools, band saws, and drain cleaners.	Electrical Tools No. 16
June 29, 2007	Publication of CSA standard C22.2 No. 227.1-06, <i>Electrical Nonmetallic Tubing</i> .	Conduit No. 17
August 1, 2007	Publication of CSA standard C22.2 No. 182.1-02, <i>Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type</i> (bi-national standard with UL 1682).	Wiring Devices No. 44

**Certification Notices (cont'd)**

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
August 14, 2007	Publication of Technical Information Letter No. H-18A, covering interim certification requirements for burner controls incorporating programmable logic. These requirements supplement those of CSA standards C22.2 No. 199, <i>Combustion Safety Controls and Solid-State Igniters for Gas- and Oil-Burning Equipment</i> , and C22.2 No. 0.8, <i>Safety Functions Incorporating Electronic Technology</i> .	Signal Sensing and Controls No. 4
August 31, 2007	Publication of CSA standard C22.2 No. 38-05, <i>Thermosetting Insulated Wires and Cables</i> , and Technical Information Letter No. J-35, covering additional certification requirements (Heat Deformation Test).	Wire and Cable No. 118
December 1, 2007	Publication of CSA standard C22.2 No. 38-05, <i>Thermosetting Insulated Wires and Cables</i> . (Supersedes Wire and Cable No. 118.)	Wire and Cable No. 118A
January 4, 2008	Publication of Technical Information Letter No. J-36, providing interim test and marking requirements for electrical wires and cables intended for use where exposed to direct sunlight, where requirements presently do not exist in the product standard.	Wire and Cable No. 126
May 1, 2008	Publication of CSA standard C22.2 No. 211.1-06, <i>Rigid Types EB1 and DB2/ES2 PVC Conduit</i> .	Conduit No. 19
May 1, 2008	Publication of CSA standard C22.2 No. 211.2-06, <i>Rigid PVC (Unplasticized) Conduit</i> .	Conduit No. 20
June 30, 2008	Publication of CSA standard C22.2 No. 49-06, <i>Flexible Cords and Cables</i> .	Wire and Cable No. 128
August 1, 2008	Publication of Amendment 1 to CSA standard CAN/CSA-E61347-2-3:03, <i>Lamp controlgear — Part 2-3: Particular requirements for a.c. supplied electronic ballasts for fluorescent lamps</i> (Adopted CEI/IEC 61347-2-3:2000, first edition, 2000-10, with Canadian deviations).	Lighting Products No. 48
December 31, 2008	Publication of the third edition of CSA standard C22.2 No. 130-03, <i>Requirements for Electrical Resistance Heating Cables and Heating Device Sets</i> .	Wiring Devices No. 37



### Certification Notices (cont'd)

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
December 31, 2008	Publication of CSA standard C22.2 No. 256-05, <i>Direct Plug-In Nightlights</i> .	Lighting Products No. 49
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



## Completed Projects / Projets terminés

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### New Standards – New Editions – Special Publications

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#### **N290.5-06, 2nd edition**

*Requirements for Electrical Power and Instrument Air Systems of CANDU*

*Nuclear Power Plants* ..... \$100

This standard covers the design, procurement, qualification, construction, installation, inspection, and documentation of CANDU nuclear power plant electrical power and instrument air systems. These systems are considered safety support systems.

Electrical power and instrument air systems of CANDU nuclear power plants include all structures, systems, equipment, and components of the electrical power and instrument air systems that are necessary for the operation of safety-related systems.

#### **N293-07, 3rd edition**

*Fire Protection for CANDU Nuclear Power Plants*..... \$200

This standard provides the minimum fire protection requirements for the design, construction, commissioning, operation, and decommissioning of CANDU nuclear power plants, including structures, systems, and components (SSCs) that directly support the plant and the protected area.

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

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#### **C746-06, 3<sup>e</sup> édition**

*Évaluation des performances des climatiseurs et des thermopompes de grande puissance*

*et des climatiseurs verticaux monoblocs* ..... 100 \$

Cette norme vise à établir les paramètres qui suivent en ce qui a trait aux climatiseurs et aux thermopompes de grande puissance et aux climatiseurs verticaux monoblocs :

- les définitions
- les classements
- les exigences d'essai
- les exigences de performances
- les exigences visant les données minimales relatives aux performances annoncées
- les exigences de fonctionnement
- le libellé des marquages et des plaques signalétiques
- les conditions de conformité
- les rendements énergétiques minimaux.



## **Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)**

### **C861-06, 2<sup>e</sup> édition**

*Performances des lampes fluorescentes compactes à ballast intégré et des adaptateurs à ballast* .....100 \$

Cette norme prescrit les exigences relatives aux performances ainsi que les modes opératoires d'évaluation correspondants des lampes fluorescentes compactes (LFC) à ballast intégré et des adaptateurs à ballast qui sont destinés à l'éclairage général d'une puissance de 120 V, 60 Hz et convenant à des culots à vis E26 ou supérieurs.

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### **Modifications publiées en français**

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#### **C282-05**

*Alimentation électrique de secours des bâtiments*

Des modifications ont été apportées aux articles 6.1.1.2, 7.1.2.1 et 11.2.1.2 et au tableau 5.

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### **Reaffirmed Standards**

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#### **CAN/CSA-C388-M89 (R2007)**

*Energy Consumption Test Methods for Household Microwave Ovens*

#### **CAN/CSA-C448 Series-02 (R2007)**

*Design and Installation of Earth Energy Systems*

#### **CAN/CSA-C802.3-01 (R2007)**

*Maximum Losses for Power Transformers*

#### **CAN/CSA-C814-96 (R2007)**

*Energy Performance of Ceiling Fans*





**This issue contains no updates  
in this subject area**



## **Completed Projects / Projets terminés**

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

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#### **ANSI Z83.11-2006/CSA 1.8-2006, 3rd edition**

*Gas Food Service Equipment* ..... \$510

This standard details test and examination criteria for newly produced gas food service equipment for use with natural, manufactured and mixed gases, propane, liquefied petroleum gases and LP gas-air mixtures. The standard provides coverage for the following:

- ranges and unit broilers
- baking and roasting ovens
- counter appliances
- deep fat fryers
- kettles
- steam cookers
- steam generators.

#### **ANSI Z21.24-2006/CSA 6.10-2006, 3rd edition**

*Connectors for Gas Appliances* ..... \$430

This standard applies to newly produced gas appliance connectors, constructed entirely of new unused parts and materials, having nominal internal diameters of 1/4, 3/8, 1/2, 5/8, 3/4, and 1in, and having fittings at both ends provided with taper pipe threads for connection to a gas appliance and to house piping. This standard covers assembled appliance connectors not exceeding a nominal length of 6 ft (1.83m). Connectors listed under this standard are intended for use with gas appliances that are not frequently moved after installation.

#### **ANSI Z21.5.1-2006/CSA 7.1-2006, 4th edition**

*Gas Clothes Dryers — Volume I, Type I Clothes Dryers* ..... \$530

This standard details test and examination criteria for Type 1 clothes dryers for use with natural, manufactured, mixed, propane, or liquefied petroleum gases, or LP gas-air mixtures.

#### **ANSI LC4-2007, 1st edition**

*Press-Connect Copper and Copper Alloy Fittings for Use in Fuel Gas Distribution Systems* ..... \$390

This standard applies to copper and copper alloy press-connect type fittings, and valves for use with fuel gas tube systems intended for installation above ground, below ground, indoors and outdoors.

This standard applies to tube systems rated for operating pressures not exceeding 125 psi (862 kPa).



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## Amendments

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### **ANSI Z21.89b-2006/CSA 1.18b-2006**

Addenda B to “*Outdoor Cooking Specialty Gas Appliances*” ..... \$85

This document provides revisions to ANSI Z21.89-2004/CSA 1.18-2004 and ANSI Z21.89a-2006/CSA 1.18a-2006.

### **ANSI Z21.90b-2006/CSA 6.24b-2006**

Addenda B to “*Gas Convenience Outlets and Optional Enclosures*” ..... \$75

This document provides revisions to ANSI Z21.90-2001/CSA 6.24-2001 and ANSI Z21.90a-2003/CSA 6.24a-2003.

### **ANSI Z21.5.2a-2006/CSA 7.2a-2006**

Addenda A to “*Gas Clothes Dryers — Volume II, Type 2 Clothes Dryers*” ..... \$80

This document provides revisions to ANSI Z21.5.2-2005/CSA 7.2-2005.

### **ANSI Z21.15b-2006/CSA 9.1b-2006**

Addenda B to “*Manually Operated Gas Valves for Appliances, Appliance Connector Valves and Hose End Valves*” ..... \$75

This document provides revisions to ANSI Z21.15-1997/CSA 9.1-1997 and ANSI Z21.15a-2001/CSA 9.1a-2001.

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

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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>
May 1, 2007	Publication of addenda ANSI Z21.58a-2006/ CSA 1.6a-2006, <i>Outdoor Cooking Gas Appliances</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.58-2005/ CSA 1.6-2005.	Gas Products No. 96
May 1, 2007	Publication of addenda ANSI Z21.47b-2006/ CSA 2.3b-2006, <i>Gas-Fired Central Furnaces</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.47-2003/ CSA 2.3-2003 and Z21.47a-2004/CSA 2.3a-2004.	Gas Products No. 102



### Certification Notices (cont'd)

Effective Date	Subject	Title
July 1, 2007	Announcing changes to the venting requirements for products certified to ANSI Z21.13/CSA 4.9, <i>Gas-Fired Boilers</i> ; ANSI Z21.47/CSA 2.3, <i>Gas-Fired Central Furnaces</i> ; ANSI Z21.10.1/CSA 4.1, <i>Gas Water Heaters — Volume 1</i> , and ANSI Z21.10.3/CSA 4.3, <i>Gas Water Heaters — Volume III</i> .	Gas Products No. 112
July 1, 2007	Publication of addenda ANSI Z21.10.1b-2006/CSA 4.1b-2006, <i>Gas Water Heaters — Volume I, Storage Water Heaters with Input Rates of 75,000 Btu per Hour or Less</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.10.1-2004/CSA 4.1-2004 and ANSI Z21.10.1a-2006/CSA 4.1a-2006.	Gas Products No. 106
July 1, 2007	Publication of addenda ANSI Z21.89a-2006/CSA 1.18a-2006, <i>Outdoor Cooking Specialty Gas Appliances</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.89-2005/CSA 1.18-2005.	Gas Products No. 107
February 1, 2008	Publication of addenda ANSI Z21.58b-2006/CSA 1.6b-2006, <i>Outdoor Cooking Gas Appliances</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.58-2005/CSA 1.6-2005 and ANSI Z21.58a-2006/CSA 1.6a-2006.	Gas Products No. 113



## Completed Projects / Projets terminés

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### New Standards – New Editions – Special Publications

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**CAN/CSA-B651.2-07, 1st edition**

*Accessible Design for Self-Service Interactive Devices* ..... \$40

The purpose of this standard is to specify minimum accessibility and usability requirements for self-service interactive devices intended for public use.

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

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**CAN/CSA-B651.2-07, 1<sup>re</sup> édition**

*Conception accessible des dispositifs interactifs libre-service* ..... 40 \$

L'objet de cette norme est d'énoncer des exigences minimales d'accessibilité et de facilité d'utilisation pour les dispositifs interactifs libre-service destinés au public.

**Z617-06, 1<sup>re</sup> édition**

*Équipement de protection individuelle (EPI) contre les traumatismes contondants* ..... 65 \$

Cette norme s'applique à l'habillement de protection individuelle destiné à protéger le torse, les bras et les jambes, y compris les articulations, des agents correctionnels et des membres des forces de l'ordre contre les coups portés au moyen d'objets contondants (p. ex., roches, pierres, bouteilles de verre, tuyaux, bâtons de baseball, planches de bois, etc.)\* à l'occasion d'émeutes, d'activités de contrôle des détenus et de toute autre situation où la menace d'une attaque violente au torse, aux bras et aux jambes est présente.

**Z7396.1-06, 1<sup>re</sup> édition**

*Réseaux de canalisations de gaz médicaux — Première partie : Canalisations pour les gaz médicaux et l'aspiration médicale* ..... 200 \$

Cette norme prescrit les exigences en matière de sécurité applicables aux réseaux de canalisations de gaz médicaux des établissements de santé. Elle est destinée à toute personne participant à la conception, la construction, l'inspection et l'exploitation des réseaux de canalisations de gaz médicaux.

Cette norme vise à assurer que chaque canalisation de gaz médical fournit le gaz ou l'aspiration voulue à la prise correspondante. Pour cette raison, la norme prescrit l'utilisation de composants réservés à un gaz donné pour les prises et pour d'autres raccords qui sont normalement accessibles à l'utilisateur. De plus, cette norme énonce les exigences de mise à l'essai pour chaque canalisation de gaz médical pour confirmer qu'elle contient seulement le gaz prescrit avant de l'utiliser pour les soins des patients.



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## Amendments

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### **CAN/CSA-Z62.1-03**

#### *Chain Saws*

Revision of the contents and Clauses 2, 3, 5.2.4, 5.5.1, 5.13.1, and 9.1. Addition of Figure 1A.

### **Z62.3-04**

#### *Chain Saw Kickback*

Revision of the contents and Clauses 4.1.3, 4.2.1, 6.1.2, and 6.1.3.2, and Figure 4. Deletion of Clause 4.2.4 and Table 2.

### **CAN/CSA-Z94.1-05**

#### *Industrial Protective Headwear — Performance, Selection, Care, and Use*

Revision of the outside front cover and the title page. Addition of National Standards of Canada text.

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## Modifications publiées en français

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### **CAN/CSA-Z62.1-03**

#### *Scies à chaîne*

Des modifications ont été apportées à la table des matières, aux chapitres 2, 3, et aux articles 5.2.4, 5.5.1, 5.13.1 et 9.1. La figure 1A a été ajoutée.

### **Z62.3-04**

#### *Recul des scies à chaîne*

Des modifications ont été apportées à la table des matières, aux articles 4.1.3, 4.2.1, 6.1.2 et 6.1.3.2, et à la figure 4. L'article 4.2.4 et le tableau 2 ont été abrogés.

### **CAN/CSA-Z94.1-05**

#### *Casques de sécurité pour l'industrie : tenue en service, sélection, entretien et utilisation*

Des modifications ont été apportées à la première de couverture et à la page titre. Le texte relatif aux Normes nationales du Canada a été ajouté.

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## Reaffirmed Standards

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### **CAN/CSA-B355-00 (R2007)**

#### *Lifts for Persons with Physical Disabilities*

### **CAN/CSA-B659-01 (R2007)**

#### *Design for Aging*

### **CAN/CSA-M421-00 (R2007)**

#### *Use of Electricity in Mines*

**Reaffirmed Standards (cont'd)**

**CAN/CSA-M422-M87 (R2007)**

*Fire-Performance and Antistatic Requirements for Conveyor Belting*

**CAN/CSA-M423-M87 (R2007)**

*Fire Resistant Hydraulic Fluids*

**CAN/CSA-M424.1-88 (R2007)**

*Flameproof Non-Rail-Bound Diesel-Powered Machines for Use in Gassy Underground Coal Mines*

**CAN/CSA-M424.2-M90 (R2007)**

*Non-Rail-Bound Diesel-Powered Machines for Use in Non-Gassy Underground Mines*

**CAN/CSA-M424.3-M90 (R2007)**

*Braking Performance — Rubber-Tired, Self-Propelled Underground Mining Machines*

**CAN/CSA-M427-M91 (R2007)**

*Fire-Performance and Antistatic Requirements for Ventilation Materials*

**CAN/CSA-M430-90 (R2007)**

*Roof and Rock Bolts, and Accessories*

**M675-02 (R2007)**

*Braking System Test Procedures and Braking Performance Criteria for Agricultural Field Equipment*

**CAN/CSA-M789.10-97 (R2007)**

*Agricultural tractors — Test procedures Part 10: Hydraulic Power at Tractor/Implement Interface (Adopted ISO 789-10:1996, first edition, without modification)*

**CAN/CSA-Z262.6-02 (R2007)**

*Specifications for Facially Featured Headforms*

**CAN/CSA-Z305.6-92 (R2007)**

*Medical Oxygen Concentrator Central Supply System: For Use with Nonflammable Medical Gas Piping Systems*

**CAN/CSA-Z317.11-02 (R2007)**

*Area Measurement for Health Care Facilities*

**CAN/CSA-Z431-02 (R2007)**

*Basic and Safety Principles for Man-Machine Interface, Marking and Identification — Coding Principles for Indication Devices and Actuators*

**CAN/CSA-Z10524-02 (R2007)**

*Pressure regulators and pressure regulators with flow-metering devices for medical gas systems (Adopted ISO 10524:1995, first edition, with Canadian deviations)*



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## Withdrawn Standards

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**CAN3-B78.1-M83 (R2002)**

*Technical Drawings — General Principles*

**CAN/CSA-B78.2-M91 (R2002)**

*Dimensioning and Tolerancing of Technical Drawings*

**CAN3-B78.3-M77 (R2002)**

*Building Drawings*

**B78.5-93 (R2002)**

*Computer-Aided Design Drafting (Buildings)*

**B95-1962 (R2002)**

*Surface Texture (Roughness, Waviness and Lay)*

**B97.1-1970 (R2002)**

*Standard Tolerances for Linear Dimensions*

**B97.2-1970 (R2002)**

*Interpretations of Limits and Tolerances*

**B97.3-1970 (R2002)**

*Standard Fits for Mating Parts, Inch Sizes*

**CAN3-B232-75 (R2002)**

*Keys, Keyseats and Keyways*

**B97.3-M1982 (R2002)**

*Tolerances and Standard Fits for Mating Parts, Metric Sizes*

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

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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>
June 1, 2007	Publication of CSA standard Z259.10-06, <i>Full Body Harnesses.</i>	Occupational Health & Safety Products No. 47
July 1, 2007	Publication of Update No. 4 to CSA standard Z259.2.1-98, <i>Fall Arresters, Vertical Lifelines and Rails.</i>	Occupational Health & Safety Products No. 48





**This issue contains no updates  
in this subject area**



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