



**CANADIAN STANDARDS
ASSOCIATION**

INFO UPDATE

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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.

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all the latest information.*

About this publication

Info Update is published by the Canadian Standards Association (CSA) eight times a year. It contains important information about new and existing standards, and standards under development. 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/KeepMeInformed.asp>.

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

What you'll find

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 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 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 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 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; Web site <http://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

▼ Notice of Intent

CSA intends to begin work on the projects listed in this section. These projects include the development of new standards and editions (including adoptions), and endorsements. If you have relevant expertise and would like to contribute time, comments, or are able to support the development financially, please contact the person listed for that item.

▼ Drafts for Public Review

Drafts of new standards, new editions, and amendments (including adoptions), and endorsements are available for public review before the technical committee approves the technical content. The comment period is normally 60 days from the date of each issue of *Info Update*. Please return your comments as quickly as possible, so that we can pass them on to the appropriate committee for review. To request copies or offer comments, contact the person noted for that draft. If you would like to comment on a standard that is being proposed for endorsement or adoption, you can obtain a copy from the originating organization for a fee.

Please note: For an additional listing of drafts available for Public Review, visit the online Public Review section at www.csa.ca.

After the expiry date for public comments, you can buy most public review drafts, up until the approval stage. Please call Standards Sales at 416-747-4044 or 1-800-463-6727 for pricing, or email your request to sales@csa.ca. *Please note:* Drafts are works in progress and have no official status. They are not a substitute for the final, approved standards and amendments. Drafts must not be used as an authoritative source.

▼ Proposed Reaffirmation of Standards

Standards listed in this section are being reviewed to determine if they remain technically valid and current. If you have any comments, send them to the contact person noted within 30 days of the date of this issue of *Info Update*. Your comments will be passed on to the appropriate committee for consideration. Although the proposal is to Reaffirm these standards, the result of the review may be to Withdraw them. Action taken will be announced in a future issue of *Info Update*.

▼ Proposed Withdrawal of Standards

These documents are being considered for withdrawal. If you have any questions or concerns about this, contact the person noted within 30 days of the date of this issue of *Info Update*. Although the proposal is to Withdraw these standards, the result of the review may be to Reaffirm them. Action taken will be announced in a future issue of *Info Update*.

▼ **Status of Standards Projects**

The project status report was formerly published quarterly in *Info Update*. Beginning with the February 2003 issue of *Info Update* this information will be available on our web site, independent of Info Update. To view or download visit <http://www.csa.ca/standards/default.asp?load=report&language=English>. This report lists projects that CSA committees are currently working on. Standards listed in this report are not yet available for sale.

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.



Construction Products and Materials

[B70-06, 10th edition](#)

Cast Iron Soil Pipe, Fittings, and Means of Joining

[Z782-06, 1st edition](#)

Guideline for Design for Disassembly and Adaptability in Buildings



Produits et matériaux de construction

[A23.4-05, 4^e édition](#)

Béton préfabriqué — Constituants et exécution des travaux

[S832-06, 2^e édition](#)

Diminution des risques sismiques concernant les composants fonctionnels et opérationnels des bâtiments (CFO)



Electrical/Electronics

[C22.2 No. 211.1-06, 3rd edition](#)

Rigid Types EB1 and DB2/ES2 PVC Conduit

[C22.2 No. 211.2-06, 2nd edition](#)

Rigid PVC (Unplasticized) Conduit

[C22.3 No. 1-06, 8th edition](#)

Overhead Systems

[C22.3 No. 7-06, 3rd edition](#)

Underground Systems

[CAN/CSA-C22.3 No. 60826:06, 1st edition \(bilingual\)](#)

Design criteria of overhead transmission lines (Adopted CEI/IEC 60826:2003, third edition, with Canadian deviations)

[CAN/CSA-C62155:06, 1st edition \(bilingual\)](#)

Hollow pressurized and unpressurized ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1 000 V (Adopted CEI/IEC 62155:2003, first edition, with Canadian deviations)

[CAN/CSA-E60335-2-14:05, 2nd edition \(bilingual\)](#)

Household and similar electrical appliances — Safety — Part 2-14: Particular requirements for kitchen machines (Adopted CEI/IEC 60335-2-14:2005, fourth edition [2002-10], with Canadian deviations)

Electrical/Electronics (cont'd)

[CAN/CSA-E60335-2-23:05, 2nd edition \(bilingual\)](#)

Household and similar electrical appliances — Safety — Part 2-23: Particular requirements for appliances for skin or hair care (Adopted CEI/IEC 60335-2-23:2005, fifth edition [2003-01], without modification)

[CAN/CSA-E60335-2-29:06, 3rd edition \(bilingual\)](#)

Household and similar electrical appliances — Safety — Part 2-29: Particular requirements for battery chargers (Adopted CEI/IEC 60335-2-29:2003, fourth edition [2002-09], with Canadian deviations)

[CAN/CSA-E60335-2-31:05, 2nd edition \(bilingual\)](#)

Household and similar electrical appliances — Safety — Part 2-31: Particular requirements for range hoods (Adopted CEI/IEC 60335-2-31:2005, fourth edition [2002-10], with Canadian deviations)

[CAN/CSA-E60335-2-53:05, 2nd edition \(bilingual\)](#)

Household and similar electrical appliances — Safety — Part 2-53: Particular requirements for sauna heating appliances (Adopted CEI/IEC 60335-2-53:2005, third edition [2002-10], without modification)

[CAN/CSA-E60335-2-55:05, 2nd edition \(bilingual\)](#)

Household and similar electrical appliances — Safety — Part 2-55: Particular requirements for electrical appliances for use with aquariums and garden ponds (Adopted CEI/IEC 60335-2-55:2005, third edition [2002-11], without modification)

[CAN/CSA-E60335-2-70:06, 2nd edition \(bilingual\)](#)

Household and similar electrical appliances — Safety — Part 2-70: Particular requirements for milking machines (Adopted CEI/IEC 60335-2-70:2004, second edition [2002-03], with Canadian deviations)

[CAN/CSA-E60335-2-71:06, 2nd edition \(bilingual\)](#)

Household and similar electrical appliances — Safety — Part 2-71: Particular requirements for breeding and rearing animals (Adopted CEI/IEC 60335-2-71:2005, second edition [2002-03], with Canadian deviations)

[CAN/CSA-E60335-2-76:05, 2nd edition \(bilingual\)](#)

Household and similar electrical appliances — Safety — Part 2-76: Particular requirements for fence energizers (Adopted CEI/IEC 60335-2-76:2005, second edition [2002-08], with Canadian deviations)



Électricité et électronique

[C2.1-06, 1^{re} édition](#)

Transformateurs de distribution monophasés et triphasés liquide diélectrique

Électricité et électronique (suite)

[C2.2-06, 1^{re} édition](#)

Transformateurs de distribution monophasés destinés au montage sur poteau pour distributeurs d'électricité

[C22.2 n° 198.1-06, 3^e édition](#)

Tubes isolants extrudés (norme binationale avec UL 224, sixième édition)

[CAN/CSA-C22.2 n° 60745-2-6-04, 2^e édition](#)

Outils électroportatifs à moteur — Sécurité — Partie 2-6 : Règles particulières pour les marteaux (norme binationale comprenant la deuxième édition de la norme UL 60745-2-6. Norme CEI 60745-2-6:2006, édition 2.1 [2003-03], comprenant l'amendement 1:2006, adoptée sans modifications)

[C22.3 n° 7-06, 3^e édition](#)

Réseaux souterrains

[C22.3 n° 60826-06, 3^e édition \(bilingue\)](#)

Critères de conception des lignes aériennes de transport (norme CEI/IEC 60826:2003, troisième édition, adoptée avec exigences propres au Canada)

[C227.3-06, 4^e édition](#)

Transformateurs de distribution monophasés sur socle, surbaissés, avec connecteurs haute tension isolés amovibles

[CAN/CSA-C62155:06, 1^{re} édition \(bilingue\)](#)

Isolateurs creux avec ou sans pression interne, en matière céramique ou en verre, pour utilisation dans des appareillages prévus pour des tensions nominales supérieures à 1 000 V (norme CEI/IEC 62155:2003, première édition, adoptée avec exigences propres au Canada)

[CAN/CSA-E60335-2-14:05, 2^e édition \(bilingue\)](#)

Appareils électrodomestiques et analogues — Sécurité — Partie 2-14: Règles particulières pour les machines de cuisine (norme CEI/IEC 60335-2-14:2005, quatrième édition [2002-10], adoptée sans modification)

[CAN/CSA-E60335-2-23:05, 2^e édition \(bilingue\)](#)

Appareils électrodomestiques et analogues — Sécurité — Partie 2-23: Règles particulières pour les appareils destinés aux soins de la peau ou des cheveux (norme CEI/IEC 60335-2-23:2005, cinquième édition [2003-01], adoptée sans modification)

[CAN/CSA-E60335-2-29:06, 3^e édition \(bilingue\)](#)

Appareils électrodomestiques et analogues — Sécurité — Partie 2-29: Règles particulières pour les chargeurs de batterie (norme CEI/IEC 60335-2-29:2003, quatrième édition [2002-09], adoptée avec exigences propres au Canada)

Électricité et électronique (suite)

[CAN/CSA-E60335-2-31:05, 2^e édition \(bilingue\)](#)

Appareils électrodomestiques et analogues — Sécurité — Partie 2-31: Règles particulières pour les hottes de cuisine (norme CEI/IEC 60335-2-31:2005, quatrième édition [2002-10], adoptée avec exigences propres au Canada)

[CAN/CSA-E60335-2-53:05, 2^e édition \(bilingue\)](#)

Appareils électrodomestiques et analogues — Sécurité — Partie 2-53: Règles particulières pour les appareils de chauffage de saunas (norme CEI/IEC 60335-2-53 :2005, troisième édition [2002-10], adoptée sans modification)

[CAN/CSA-E60335-2-55:05, 2^e édition \(bilingue\)](#)

Appareils électrodomestiques et analogues — Sécurité — Partie 2-55: Règles particulières pour les appareils électriques à utiliser avec les aquariums et les bassins de jardin (norme CEI/IEC 60335-2-55:2005, troisième édition [2002-11], adoptée sans modification)

[CAN/CSA-E60335-2-70:06, 2^e édition \(bilingue\)](#)

Appareils électrodomestiques et analogues — Sécurité — Partie 2-70: Règles particulières pour les machines à traire (norme CEI/IEC 60335-2-70:2004, deuxième édition [2002-03], adoptée avec exigences propres au Canada)

[CAN/CSA-E60335-2-71:06, 2^e édition \(bilingue\)](#)

Appareils électrodomestiques et analogues — Sécurité — Partie 2-71: Règles particulières pour les appareils de chauffage électrique destinés à la reproduction et à l'élevage des animaux (norme CEI/IEC 60335-2-71:2005, deuxième édition [2002-03], adoptée avec exigences propres au Canada)

[CAN/CSA-E60335-2-76:05, 2^e édition \(bilingue\)](#)

Appareils électrodomestiques et analogues — Sécurité — Partie 2-76: Règles particulières pour les électrificateurs de clôtures (norme CEI/IEC 60335-2-76:2005, deuxième édition [2002-08], adoptée avec exigences propres au Canada)



Energy

[C900.1-06, 1st edition](#)

Heat meters — Part 1: General requirements (Adopted CEN EN 1434-1:1997, first edition, including Amendment 1:2002, with Canadian deviations)

[C900.2-06, 1st edition](#)

Heat meters — Part 2: Constructional requirements (Adopted CEN EN 1434-2:1997, first edition, including Amendment 1:2002, with Canadian deviations)

[C900.3-06, 1st edition](#)

Heat meters — Part 3: Data exchange and interfaces (Adopted CEN EN 1434-3:1997, first edition, with Canadian deviations)

Energy (cont'd)

[C900.4-06, 1st edition](#)

Heat meters — Part 4: Pattern approval tests (Adopted CEN EN 1434-4:1997, first edition, including Amendment 1:2002, with Canadian deviations)

[C900.5-06, 1st edition](#)

Heat meters — Part 5: Initial verification tests (Adopted CEN EN 1434-5:1997, first edition, including Amendment 1:2002, with Canadian deviations)

[C900.6-06, 1st edition](#)

Heat meters — Part 6: Installation, Commissioning, Operational Monitoring and Maintenance (Adopted CEN EN 1434-6:1997, first edition, including Amendment 1:2002, with Canadian deviations)



Énergie

[N290.13-05, 1^{re} édition](#)

Qualification environnementale des équipements pour les centrales nucléaires CANDU



Gas Equipment

[ANSI NGV1-2006/CSA NGV1-2006, 2nd edition](#)

Compressed Natural Gas Vehicle (NGV) Fueling Connection Devices

[B139ON-06, 1st edition](#)

Ontario Installation Code for Oil-Burning Equipment



Life Sciences

[CAN/CSA-Z22857-06, 1st edition](#)

Health informatics — Guidelines on data protection to facilitate trans-border flows of personal health information (Adopted ISO 22857:2004, first edition, with Canadian deviations)



Sciences de la Vie

[Z259.10-06, 2^e édition](#)

Harnais de sécurité



Completed Projects / Projets terminés

Reaffirmed Standards

CAN/CSA-Z243.200-92 (R2006)

Canadian Keyboard Standard for English and French Languages



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

B70-06, 10th edition

Cast Iron Soil Pipe, Fittings, and Means of Joining \$100

This standard covers cast iron soil pipe, fittings, and means of joining for installation in gravity-flow plumbing systems inside and outside of buildings, above and below grade.

Z782-06, 1st edition

Guideline for Design for Disassembly and Adaptability in Buildings \$35

This Guideline addresses the reduction of adverse economic, environmental, and social impacts of building construction through the application of principles related to design for disassembly and adaptability (DfD/A). DfD/A can be used to identify design approaches and potential waste-reduction solutions, to develop system-specific disassembly- and adaptability-conscious details, and to adopt specific strategies for building structure or parts thereof (e.g., the envelope). It applies only to buildings (which can be of any type, including commercial, industrial, institutional, and residential).

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

A23.4-05, 4^e édition

Béton préfabriqué — Constituants et exécution des travaux 80 \$

Cette norme établit les exigences applicables aux constituants et aux méthodes de fabrication, de transport et de mise en place du béton préfabriqué architectural, structural et spécial.

S832-06, 2^e édition

Diminution des risques sismiques concernant les composants fonctionnels et opérationnels des bâtiments (CFO) 120 \$

Cette norme vise les CFO dans des bâtiments pour lesquels les risques sismiques sont significatifs tel que défini à l'article 4.1.8.1 du *CNBC*.

Cette norme vise à informer et à donner une méthodologie pour identifier et évaluer les risques sismiques associés aux CFO et à permettre la mise en œuvre des stratégies et des techniques d'atténuation des risques appropriées. Bien que la performance structurale du bâtiment influe sur la diminution des risques sismiques concernant les CFO, cette norme ne traite pas de l'intégrité structurale.



Amendments

CAN/CSA-A23.1-04 / CAN/CSA-A23.2-04

*Concrete Materials and Methods of Concrete Construction /
Methods of Test and Standard Practices for Concrete*

Revision of the following clauses and tables:

- **A23.1:** Clauses 4.4.10 and 8.4.3.1.2, and Table 14
- **A23.2:** A23.2-8C, Clause 3.

CAN/CSA-O15-05

Wood Utility Poles and Reinforcing Stubs

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

CAN/CSA-S16-01

Limit States Design of Steel Structures

Revision of the contents, Clauses 2.2, 18.3.3.1, 27.1.1, 27.1.5.2, 27.1.5.3, 27.2.4.3, 27.4.1, 27.4.2.2, 27.5.2.3, 27.5.3.2, 27.5.3.3, 27.5.5, 27.5.5.1, 27.5.5.2, 27.6.2.1, 27.6.3.2, 27.6.4, 27.6.5, and 27.10, and Table 10. Deletion of Clause 27.9.

Modifications publiées en français

CAN/CSA-A23.1-04 / CAN/CSA-A23.2-04

*Béton : Constituants et exécution des travaux /
Méthodes d'essai et pratiques normalisées pour le béton*

Des modifications ont été apportées aux articles et tableaux suivants :

- **A23.1 :** Modification de l'article 4.4.10 et des tableaux 10 et 14.
- **A23.2 :** A23.2-8C, modification du chapitre 3.

CAN/CSA-O15-05

Poteaux et poteaux renforts en bois pour les services publics

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-S16-01

Règles de calcul aux états limites de charpentes en acier

Des modifications ont été apportées à la table des matières, aux articles 2.2, 18.3.3.1, 27.1.1, 27.1.5.2, 27.1.5.3, 27.2.4.3, 27.4.1, 27.4.2.2, 27.5.2.3, 27.5.3.2, 27.5.3.3, 27.5.5, 27.5.5.1, 27.5.5.2, 27.6.2.1, 27.6.3.2, 27.6.4, 27.6.5 et 27.10, ainsi qu'au tableau 10. L'article 27.9 a été abrogé.



Reaffirmed Standards

W178.2-01 (R2006)

Certification of Welding Inspectors

Withdrawn Standards

S471.1-1992

Commentary to CSA standard CAN/CSA-S471-92, “General Requirements, Design Criteria, the Environment, and Loads”

S472.1-1992

Commentary to CSA standard CAN/CSA-S472-92, “Foundations”

S473.1-1992

Commentary to CSA standard CAN/CSA-S473-92, “Steel Structures”

Under Development

Notice of Intent

For more information about the proposed development of the following new project, contact Dwayne Torrey at 416-747-2746 or dwayne.torrey@csa.ca:

- **O302.1/O302.2, 4th edition**

Scaling Roundwood / Measurement of Woodchips, Tree Residues, and Byproducts

For more information about the proposed development of the following new project, contact Jeff Walker at 416-747-2720 or jeff.walker@csa.ca:

- **S136, 7th edition**

North American Specification for the Design of Cold-Formed Steel Structural Members

For more information about the proposed development of the following new projects, contact Ted Koza at 416-747-2692 or ted.koza@csa.ca:

- **W47.2, 3rd edition**

Certification of Companies for Fusion Welding of Aluminum

- **W55.3, 4th edition**

Certification of Companies for Resistance Welding of Steel and Aluminum

- **W178.1, 5th edition**

Certification of Welding Inspection Organizations



Proposed Withdrawal of Standards

For more information about the proposed withdrawal of the following standards, contact Vanessa Mitchell at 416-747-2470 or vanessa.mitchell@csa.ca:

- **B111-1974 (R2003)**
Wire Nails, Spikes and Staples
- **CAN/CSA-G12-92 (R2003)**
Zinc-coated steel wire strand
- **G162.1-M1977 (R2003)**
Methods of Determining Mass of Coating on Zinc-Coated (Galvanized) Steel Wire
- **G387-M1981 (R2003)**
Steel Wire Rope for Elevators

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
October 5, 2006	Publication of NSF/ANSI 61-2005 and Addendum 1.0-2005, <i>Drinking Water System Components — Health Effects</i> .	Plumbing Products No. 170

Certification Notices

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

Effective Date	Subject	Title
November 30, 2006	Publication of CSA standard B602-05, <i>Mechanical Couplings for Drain, Waste, and Vent Pipe and Sewer Pipe</i> .	Plumbing Products No. 165
April 1, 2007	Publication of CSA standard A440.2-04/A440.3-04, <i>Energy Performance of Windows and other Fenestration Systems / User Guide to CSA A440.2-04</i> .	Building Products and Materials No. 13
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



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

C22.2 No. 211.1-06, 3rd edition

Rigid Types EB1 and DB2/ES2 PVC Conduit \$350

This standard applies to rigid PVC conduit — type EB1 for encasement in concrete or masonry and type DB2/ES2 for direct burial or encasement in concrete or masonry — and associated fittings in accordance with the rules of the *Canadian Electrical Code, Part I*, for ordinary locations.

The conduits and associated fittings covered by this standard are intended for a maximum continuous operating temperature of 75 °C.

The accessories covered by this standard include straight couplings, 5° angle couplings, caps, plugs, bell end terminators, bends, and adapters.

C22.2 No. 211.2-06, 2nd edition

Rigid PVC (Unplasticized) Conduit \$350

This standard applies to rigid PVC (unplasticized) conduit, elbows, bends, and couplings, intended for use at a continuous operating temperature of 75 °C, for the installation of wires and cables in accordance with the rules of the *Canadian Electrical Code, Part I*, for ordinary locations.

The products covered by this standard are not threaded and are intended to be joined together by couplings using a suitable solvent cement.

C22.3 No. 1-06, 8th edition

Overhead Systems \$165

This standard applies to electric supply and communications lines and equipment located entirely outside of buildings and fenced supply stations.

Existing installations (including maintenance replacements, additions, and alterations) meeting the original designs that currently comply with prior editions of this standard, need not be modified to comply with this edition of the standard, except as might be required for safety reasons by the authority having jurisdiction.

C22.3 No. 7-06, 3rd edition

Underground Systems..... \$120

This standard applies to the lines and equipment associated with underground electric supply and communication systems located entirely outside buildings and fenced supply stations.



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

C22.3 No. 7-06 (cont'd)

This standard, which forms part of the *Canadian Electrical Code, Part III*, covers the requirements for the construction of underground systems including electric supply and communication circuits that are installed alone, in joint use, or in proximity to each other or other facilities, and that:

- cross each other or other facilities
- cross under railways or highways
- run under ground that is likely to be traversed by vehicles or pedestrians.

CAN/CSA-C22.3 No. 60826:06, 1st edition (bilingual)

Design criteria of overhead transmission lines (Adopted CEI/IEC 60826:2003, third edition, with Canadian deviations) \$290

This standard specifies the loading and strength requirements of overhead lines derived from reliability based design principles. These requirements apply to lines 45 kV and above, but can also be applied to lines with a lower nominal voltage.

This standard also provides a framework for the preparation of national standards dealing with overhead transmission lines, using reliability concepts and employing probabilistic or semi-probabilistic methods. These national standards will need to establish the local climatic data for the use and application of this standard, in addition to other data that are country specific.

Although the design criteria in this standard applies to new lines, many concepts can be used to address the reliability requirements for refurbishment and uprating of existing lines.

CAN/CSA-C62155:06, 1st edition (bilingual)

Hollow pressurized and unpressurized ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1 000 V (Adopted CEI/IEC 62155:2003, first edition, with Canadian deviations) \$165

This standard applies to the following:

- ceramic and glass hollow insulators intended for general use in electrical equipment
- ceramic hollow insulators intended for use with a permanent gas pressure in switchgear and controlgear.

These insulators are intended for indoor and outdoor use in electrical equipment, operating on alternating current with a rated voltage greater than 1 000 V and a frequency not greater than 100 Hz, or for use in direct-current equipment with a rated voltage greater than 1 500 V.

This document is available in Portable Document Format (PDF) only.

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

CAN/CSA-E60335-2-14:05, 2nd edition (bilingual)
Household and similar electrical appliances — Safety — Part 2-14: Particular requirements for kitchen machines (Adopted CEI/IEC 60335-2-14:2005, fourth edition [2002-10], with Canadian deviations) \$145

This standard deals with the safety of electric kitchen machines for household and similar purposes, with rated voltage of not more than 250 V.

This document is available in Portable Document Format (PDF) only.

CAN/CSA-E60335-2-23:05, 2nd edition (bilingual)
Household and similar electrical appliances — Safety — Part 2-23: Particular requirements for appliances for skin or hair care (Adopted CEI/IEC 60335-2-23:2005, fifth edition [2003-01], without modification)..... \$100

This standard deals with the safety of electric appliances for the care of skin or hair of people or animals. The appliances covered are intended for household and similar purposes, and have rated voltage of not more than 250 V.

This document is available in Portable Document Format (PDF) only.

CAN/CSA-E60335-2-29:06, 3rd edition (bilingual)
Household and similar electrical appliances — Safety — Part 2-29: Particular requirements for battery chargers (Adopted CEI/IEC 60335-2-29:2003, fourth edition [2002-09], with Canadian deviations) \$100

This standard deals with the safety of electric battery chargers for household and similar use with an output at safety extra-low voltage, and with rated voltage of not more than 250 V.

CAN/CSA-E60335-2-31:05, 2nd edition (bilingual)
Household and similar electrical appliances — Safety — Part 2-31: Particular requirements for range hoods (Adopted CEI/IEC 60335-2-31:2005, fourth edition [2002-10], with Canadian deviations) \$65

This standard deals with the safety of electric range hoods intended for installing above household cooking ranges, hobs, and similar cooking appliances, with rated voltage of not more than 250 V.

This document is available in Portable Document Format (PDF) only.

CAN/CSA-E60335-2-53:05, 2nd edition (bilingual)
Household and similar electrical appliances — Safety — Part 2-53: Particular requirements for sauna heating appliances (Adopted CEI/IEC 60335-2-53:2005, third edition [2002-10], without modification)..... \$90

This standard deals with the safety of electric sauna-heating appliances with a rated power input not exceeding 20 kW, and with rated voltage of not more than 250 V for single-phase appliances and 480 V for other appliances.

This document is available in Portable Document Format (PDF) only.



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

CAN/CSA-E60335-2-55:05, 2nd edition (bilingual)

Household and similar electrical appliances — Safety — Part 2-55: Particular requirements for electrical appliances for use with aquariums and garden ponds (Adopted CEI/IEC 60335-2-55:2005, third edition [2002-11], without modification) \$70

This standard deals with the safety of electric appliances for use with aquariums and garden ponds for household and similar purposes, with rated voltage of not more than 250 V.

This document is available in Portable Document Format (PDF) only.

CAN/CSA-E60335-2-70:06, 2nd edition (bilingual)

Household and similar electrical appliances — Safety — Part 2-70: Particular requirements for milking machines (Adopted CEI/IEC 60335-2-70:2004, second edition [2002-03], with Canadian deviations) \$80

This standard deals with the safety of all milking machines, to be used in stalls and in the open, that are designed for milking farm animals, such as cows, with rated voltage of not more than 250 V for single-phase appliances and 480 V for other operations.

CAN/CSA-E60335-2-71:06, 2nd edition (bilingual)

Household and similar electrical appliances — Safety — Part 2-71: Particular requirements for breeding and rearing animals (Adopted CEI/IEC 60335-2-71:2005, second edition [2002-03], with Canadian deviations) \$80

This standard deals with the safety of all kinds of electrical heating appliances used for rearing and breeding livestock, such as heat-radiating appliances, electrical sitting-hens, incubators, chicken breeding units, and heating plates for animals. The appliances covered have rated voltage of not more than 250 V for single-phase appliances and 480 V for other appliances.

CAN/CSA-E60335-2-76:05, 2nd edition (bilingual)

Household and similar electrical appliances — Safety — Part 2-76: Particular requirements for fence energizers (Adopted CEI/IEC 60335-2-76:2005, second edition [2002-08], with Canadian deviations) \$165

This standard deals with the safety of electric fence energizers, with rated voltage of not more than 250 V used for electrifying or monitoring fence wires in agricultural, feral animal control, and security fences.

This document is available in Portable Document Format (PDF) only.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

C2.1-06, 1^{re} édition

Transformateurs de distribution monophasés et triphasés liquide diélectrique 100 \$

Cette norme énonce les exigences visant les transformateurs de distribution, à l'exception de ceux visés par la CSA C2.2, la C227.3 et la C227.4.

Cette norme s'applique aux transformateurs de distribution 60 Hz monophasés et triphasés à liquide diélectrique, d'une classe d'isolement d'au plus 24,5 kV, d'une puissance d'au plus 1000 kV•A en monophasé, et d'au plus 3000 kV•A en triphasé.

Cette norme prescrit notamment les valeurs de tension nominale et de puissance nominale, certaines caractéristiques mécaniques et les modes opératoires d'essai.

Cette norme s'applique aussi aux transformateurs autoprotégés, à l'exception de l'appareillage de protection.

C2.2-06, 1^{re} édition

Transformateurs de distribution monophasés destinés au montage sur poteau pour distributeurs d'électricité 100 \$

Cette norme définit les exigences pour les transformateurs de distribution destinés surtout à être exploités par les distributeurs d'électricité.

Cette norme s'applique aux transformateurs de distribution 60 Hz monophasés, à une seule traversée, convenant au montage direct sur poteau et conçu pour des réseaux étoile mis à la terre de façon efficace, de type ONAN, d'une puissance d'au plus 167 kV•A, d'une classe d'isolement d'au plus 25 kV.

C22.2 n° 198.1-06, 3^e édition

Tubes isolants extrudés (norme binationale avec UL 224, sixième édition) 385 \$

Cette norme énonce les exigences visant les tubes isolants qui sont généralement de section circulaire et constitués uniquement de mélanges extrudés composés de polymères thermodurcissables, élastomères ou thermoplastiques. Elle vise aussi les tubes thermorétractables et réticulaires.

Ces tubes sont conçus pour être utilisés seulement dans l'air, dans des emplacements secs ou humides, pour le câblage interne de dispositifs ou d'appareils électriques, conformément au *Code canadien de l'électricité, Première partie (CCÉ, Première partie)* et au ANSI/NFPA 70, *National Electrical Code (NEC)*. Ils peuvent servir à isoler des conducteurs, des barres omnibus, des fils de moteur, des fils de transformateur, des barrettes et des petits assemblages de composants électroniques, mal isolés. Ces tubes ne sont pas conçus pour être utilisés en contact avec des arêtes ou des saillies tranchantes ou des angles vifs ou s'ils sont soumis à la traction, la compression ou la flexion répétée. Les tubes ne sont pas conçus pour être utilisés là où il est possible d'utiliser un conducteur isolé régulier (matériel de câblage d'appareil) conçu spécifiquement à cette fin.



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

CAN/CSA-C22.2 n° 60745-2-6-04, 2^e édition

Outils électroportatifs à moteur — Sécurité — Partie 2-6 : Règles particulières pour les marteaux (norme binationale comprenant la deuxième édition de la norme UL 60745-2-6. Norme CEI 60745-2-6:2006, édition 2.1 [2003-03], comprenant l'amendement 1:2006, adoptée sans modifications) 260 \$

Cette norme s'applique aux marteaux.

Les outils couverts par la présente norme incluent mais ne se limitent pas aux marteaux à percussion et aux marteaux rotatifs.

Cette norme est offerte en format PDF seulement.

C22.3 n° 7-06, 3^e édition

Réseaux souterrains 120 \$

Cette norme vise les lignes et l'équipement associés aux réseaux d'alimentation et de télécommunications souterrains situés complètement à l'extérieur des bâtiments et des stations clôturées.

Cette norme qui fait partie du *Code canadien de l'électricité, Troisième partie*, énonce les exigences de construction des réseaux souterrains et vise les circuits électriques et les circuits de communication qui sont installés séparément, à usage commun, à proximité l'un de l'autre ou à proximité d'autres installations et qui :

- se croisent ou croisent une autre installation
- traversent sous une voie ferrée ou une route
- sont sous un terrain où peuvent circuler des véhicules ou des piétons.

C22.3 n° 60826-06, 3^e édition (bilingue)

Critères de conception des lignes aériennes de transport (norme CEI/IEC 60826:2003, troisième édition, adoptée avec exigences propres au Canada) 290 \$

Cette norme spécifie les critères de charge et de résistance mécanique des lignes aériennes en s'inspirant de principes de conception fondés sur la fiabilité. Ces critères sont valables pour les lignes présentant une tension nominale supérieure ou égale à 45 kV, mais peuvent aussi s'appliquer aux lignes dont la tension nominale est plus faible.

Cette norme sert également de cadre à l'élaboration de normes nationales traitant des lignes de transport à partir de notions de fiabilité et au moyen de méthodes probabilistes ou semi-probabilistes. Il incombera à ces normes nationales de déterminer les données climatiques locales à prendre en compte pour l'utilisation et l'application de la présente norme, en sus des autres données spécifiquement nationales.

Les critères de calcul énoncés dans la présente norme s'appliquent aux lignes nouvelles, mais un grand nombre des notions abordées peuvent également servir à répondre aux exigences de fiabilité des lignes existantes qui ont besoin d'être rénovées ou dont les performances sont à améliorer.

Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

C227.3-06, 4^e édition

Transformateurs de distribution monophasés sur socle, surbaissés, avec connecteurs haute tension isolés amovibles 100 \$

Cette norme énonce les exigences visant les transformateurs de distribution monophasés sur socle, avec connecteurs haute tension isolés amovibles et destinés principalement à être exploités par des distributeurs.

Cette norme s’applique aux transformateurs de distribution 60 Hz monophasés sur socle à liquide diélectrique, équipés de connecteurs haute tension isolés amovibles conçus pour des réseaux étoile mis à la terre de façon efficace, d’une puissance d’au plus 167 kV•A, d’une classe d’isolement d’au plus 18 kV. Ces transformateurs conviennent pour le montage sur socle à l’extérieur, sans enceinte protectrice additionnelle.

Cette norme prescrit notamment les valeurs de tension nominale et de puissance nominale, certaines caractéristiques mécaniques et les modes opératoires d’essai.

CAN/CSA-C62155:06, 1^{re} édition (bilingue)

Isolateurs creux avec ou sans pression interne, en matière céramique ou en verre, pour utilisation dans des appareillages prévus pour des tensions nominales supérieures à 1 000 V (norme CEI/IEC 62155:2003, première édition, adoptée avec exigences propres au Canada) 165 \$

Cette norme s’applique aux :

- isolateurs creux en céramique et en verre destinés à un usage général dans l’appareillage électrique
- isolateurs creux en céramique utilisés sous pression permanente de gaz pour les disjoncteurs ou transformateurs de mesure.

Ces isolateurs sont destinés à être utilisé à l’intérieur ou à l’extérieur pour des appareils électriques fonctionnant en courant alternatif avec une tension nominale supérieure à 1 000 V et une fréquence de 100 Hz au maximum, ou dans des appareils à courant continu avec une tension nominale supérieure à 1 500 V.

Cette norme est offerte en format PDF seulement.

CAN/CSA-E60335-2-14:05, 2^e édition (bilingue)

Appareils électrodomestiques et analogues — Sécurité — Partie 2-14: Règles particulières pour les machines de cuisine (norme CEI/IEC 60335-2-14:2005, quatrième édition [2002-10], adoptée sans modification) 145 \$

Cette norme traite de la sécurité des appareils des machines de cuisine électriques, pour usages domestiques et analogues, dont la tension assignée n’est pas supérieure à 250 V.

Cette norme est offerte en format PDF seulement.



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

CAN/CSA-E60335-2-23:05, 2^e édition (bilingue)

Appareils électrodomestiques et analogues — Sécurité — Partie 2-23: Règles particulières pour les appareils destinés aux soins de la peau ou des cheveux (norme CEI/IEC 60335-2-23:2005, cinquième édition [2003-01], adoptée sans modification) 100 \$

Cette norme traite de la sécurité des appareils électriques pour les soins de la peau ou des cheveux des personnes ou des animaux, destinés aux usages domestiques et analogues et dont la tension assignée n'est pas supérieure à 250 V.

Cette norme est offerte en format PDF seulement.

CAN/CSA-E60335-2-29:06, 3^e édition (bilingue)

Appareils électrodomestiques et analogues — Sécurité — Partie 2-29: Règles particulières pour les chargeurs de batterie (norme CEI/IEC 60335-2-29:2003, quatrième édition [2002-09], adoptée avec exigences propres au Canada)..... 100 \$

Cette norme traite de la sécurité des chargeurs de batterie électriques pour usages domestiques et analogues, dont la tension de sortie est la très basse tension de sécurité et dont la tension assignée n'est pas supérieure à 250 V.

CAN/CSA-E60335-2-31:05, 2^e édition (bilingue)

Appareils électrodomestiques et analogues — Sécurité — Partie 2-31: Règles particulières pour les hottes de cuisine (norme CEI/IEC 60335-2-31:2005, quatrième édition [2002-10], adoptée avec exigences propres au Canada)..... 65 \$

Cette norme traite de la sécurité des hottes de cuisine électriques prévues pour être installées au-dessus de cuisinières, de tables de cuisson et d'appareils de cuisson analogues et dont la tension assignée n'est pas supérieure à 250 V.

Cette norme est offerte en format PDF seulement.

CAN/CSA-E60335-2-53:05, 2^e édition (bilingue)

Appareils électrodomestiques et analogues — Sécurité — Partie 2-53: Règles particulières pour les appareils de chauffage de saunas (norme CEI/IEC 60335-2-53 :2005, troisième édition [2002-10], adoptée sans modification) 90 \$

Cette norme traite de la sécurité des appareils de chauffage électriques de saunas dont la puissance assignée n'est pas supérieure à 20 kW et dont la tension assignée n'est pas supérieure à 250 V pour les appareils monophasés et à 480 V pour les autres appareils.

Cette norme est offerte en format PDF seulement.



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

CAN/CSA-E60335-2-55:05, 2^e édition (bilingue)

Appareils électrodomestiques et analogues — Sécurité — Partie 2-55: Règles particulières pour les appareils électriques à utiliser avec les aquariums et les bassins de jardin

(norme CEI/IEC 60335-2-55:2005, troisième édition [2002-11], adoptée sans modification) 70 \$

Cette norme traite de la sécurité des appareils électriques à utiliser avec les aquariums et les bassins de jardin, pur usages domestiques et analogues, dont la tension assignée n'est pas supérieure à 250 V.

Cette norme est offerte en format PDF seulement.

CAN/CSA-E60335-2-70:06, 2^e édition (bilingue)

Appareils électrodomestiques et analogues — Sécurité — Partie 2-70: Règles particulières pour les machines à traire (norme CEI/IEC 60335-2-70:2004, deuxième édition [2002-03], adoptée avec exigences propres au Canada)..... 80 \$

Cette norme traite de la sécurité de machines à traire destinées à être utilisées dans les étables et à l'extérieur, qui sont conçues pour traire les animaux de la ferme, tels que les vaches, dont la tension assignée n'est pas supérieure à 250 V pour les installation monophasées et à 480 V pour les autres installations.

CAN/CSA-E60335-2-71:06, 2^e édition (bilingue)

Appareils électrodomestiques et analogues — Sécurité — Partie 2-71: Règles particulières pour les appareils de chauffage électrique destinés à la reproduction et à l'élevage des animaux (norme CEI/IEC 60335-2-71:2005, deuxième édition [2002-03], adoptée avec exigences propres au Canada) 80 \$

Cette norme traite de la sécurité de toutes sortes d'appareils de chauffage électrique utilisés pour la reproduction et l'élevage des animaux, tels que les appareils de chauffage radiants, couveuses électriques, incubateurs, unités d'élevage de poulets et plaques chauffantes pour animaux, la tension assignée des appareils n'étant pas supérieure à 250 V pour les appareils monophasés et à 480 V pour les autres appareils.

CAN/CSA-E60335-2-76:05, 2^e édition (bilingue)

Appareils électrodomestiques et analogues — Sécurité — Partie 2-76: Règles particulières pour les électrificateurs de clôtures (norme CEI/IEC 60335-2-76:2005, deuxième édition [2002-08], adoptée avec exigences propres au Canada)..... 165 \$

Cette norme traite de la sécurité des électrificateurs de clôtures dont la tension assignée n'est pas supérieure à 250 V et au moyen desquels des fils de clôtures de sécurité peuvent être électrifiés commandés.

Cette norme est offerte en format PDF seulement.



Amendments

CAN/CSA-C22.2 No. 65-03

Wire Connectors

(Tri-national standard with the first edition of NMX-J-543-ANCE and the first edition of UL 486A-486B.)

Revision of the title page, the copyright page, the contents, the preface, Clauses 2.1.1, 2.1.2, 2.1.5, 6.1.5, 6.2.5, 7.1.5, 7.1.6, 7.3.1, 7.3.2, 7.7.1, 7.10.1, 7.11.1, 8.1.6, 8.2.1, 8.2.2, 8.2.4, 9.1.2.1, 9.1.2.3, 9.1.3.4, 9.1.7.1, 9.1.10.1, 9.3.2.3, 9.3.2.4, 9.3.4.3, 10.1, 10.14, 10.24, 10.32, C.2, and C.3, and Tables 3–8, 10, 11, 21–25, 28, and 29. Addition of Clause 2.1.6 and Annex E. Deletion of Clauses 9.3.1.3, 9.10.1, and 10.25 and Table 30.

C22.2 No. 188-04

Splicing Wire Connectors

(Tri-national standard with the second edition of NMX-J-548-ANCE and the fifth edition of UL 486C.)

Revision of the title page, the copyright page, the contents, the preface, Clauses 6.2.1, 6.3.7, 8.2.5, 8.2.6, 9.5.3.2, and 10.1, and Tables 2, 5, 8, 18, 21, and 22. Addition of Clauses 8.1.6–8.1.8 and Annex F. Deletion of Clauses 6.2.2 and 6.2.3, and Table 24.

C22.2 No. 211.0-03

General Requirements and Methods of Testing for Nonmetallic Conduit

Revision of Clause 6.16.2.

CAN/CSA-C22.2 No. 214-02

Communications Cables

Revision of the title page, the copyright page, the contents, the preface, Clauses 6.13.1–6.13.3 and 6.13.6–6.13.8. Addition of Clauses 6.22 and 7.3.8, and Figure 3.

CAN/CSA-C22.2 No. 218.1-M89

Spas, Hot Tubs, and Associated Equipment

Revision of the contents and Clauses 1.1, 1.3, 3.2.1, 4.1.2, and 4.7.1. Addition of Clause 4.28.

CAN/CSA-C22.2 No. 60745-2-6A-04

Amendment 1:2006 to CAN/CSA-C22.2 No. 60745-2-6-04, “Hand-Held Motor-Operated Electric Tools— Safety — Part 2-6: Particular Requirements for Hammers” (Bi-national standard with UL 60745-2-6, second edition. Adopted Amendment 1:2006 to IEC 60745-2-6:2003, second edition, without modification) \$25

This document provides revisions to CAN/CSA-C22.2 No. 60745-2-6-04.

This document is available in Portable Document Format (PDF) only.



Amendments (cont'd)

CAN/CSA-C22.2 No. 60950-1-03

Information technology equipment — Safety — Part 1: General requirements

(Bi-national with UL 60950-1, first edition. Adopted IEC 60950-1:2001, with Canadian deviations)

Revision of the title page, the copyright page, the contents, Clauses 1.1.1, 1.2, 1.2.4.2, 1.7, 2.8.3, 3.4, 4.4.2, and 4.5.1, and Annexes P.1 and P.2. Addition of Annex NAF.
Deletion of UL Foreword.

Modifications publiées en français

CAN/CSA-C22.2 n° 65-03

Connecteurs de fils (norme trinationale comprenant la première édition de la norme NMX-J-543-ANCE et la première édition de la norme UL 486A-486B.)

Des modifications ont été apportées à la page titre, à la table des matières, à la préface, aux articles 2.1.1, 2.1.2, 2.1.5, 6.1.5, 6.2.5, 7.1.5, 7.1.6, 7.3.1, 7.3.2, 7.7.1, 7.10.1, 7.11.1, 8.1.6, 8.2.1, 8.2.2, 8.2.4, 9.1.2.1, 9.1.2.3, 9.1.3.4, 9.1.7.1, 9.1.10.1, 9.3.2.3, 9.3.2.4, 9.3.4.3, 10.1, 10.14, 10.24, 10.32, C.2 et C.3, et aux tableaux 3 à 8, 10, 11, 21 à 25, 28 et 29. L'article 2.1.6 et l'annexe E ont été ajoutés. Les articles 9.3.1.3, 9.10.1 et 10.25 et le tableau 30 ont été abrogés.

C22.2 n° 188-04

Serre-fils (norme trinationale comprenant la deuxième édition de la norme NMX-J-548-ANCE et la cinquième édition de la norme UL 486C.)

Des modifications ont été apportées à la page titre, à la table des matières, à la préface, aux articles 6.2.1, 6.3.7, 8.2.5, 8.2.6, 9.5.3.2 et 10.1, et aux tableaux 2, 5, 8, 18, 21 et 22. Les articles 8.1.6 à 8.1.8 et l'annexe F ont été ajoutés. Les articles 6.2.2 et 6.2.3 et le tableau 24 ont été abrogés.

CAN/CSA-C22.2 n° 214-02

Câbles de télécommunications

Des modifications ont été apportées à la page titre, à la table des matières, à la préface, aux articles 6.13.1 à 6.13.3 et 6.13.6 à 6.13.8. Les articles 6.22 et 7.3.8 et la figure 3 ont été ajoutés.

C22.2 n° 218.1-M89 (C2001)

Cuves à remous et matériel connexe

Des modifications ont été apportées à la table des matières et aux articles 1.1, 1.3, 3.2.1, 4.1.2, et 4.7.1. L'article 4.28 a été ajouté.



Reaffirmed Standards

C22.2 No. 9.0-96 (R2006)

General Requirements for Luminaires

C22.2 No. 13-1962 (R2006)

Transformers for Luminous-Tube Signs, Oil- or Gas-Burner Ignition Equipment, Cold-Cathode Interior Lighting

CAN/CSA-C22.2 No. 15-M91 (R2006)

Electrically Heated Warming Pads

C22.2 No. 46-M1988 (R2006)

Electric Air-Heaters

C22.2 No. 60-M1990 (R2006)

Arc Welding Equipment

CAN/CSA-C22.2 No. 81-M90 (R2006)

Electric Irons

C22.2 No. 104-01 (R2006)

Humidifiers

C22.2 No. 107.1-01 (R2006)

General Use Power Supplies

CAN/CSA-C22.2 No. 157-92 (R2006)

Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

C22.2 No. 178-1978 (R2006)

Automatic Transfer Switches

C22.2 No. 182.1-02 (R2006)

Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type

CAN/CSA-C22.2 No. 214-02 (R2006)

Communications Cables

CAN/CSA-C22.2 No. 226-92 (R2006)

Protectors in Telecommunication Networks

C22.2 No. 243-01 (R2006)

Vacuum Cleaners, Blower Cleaners, and Household Floor Finishing Machines

CAN/CSA-E342-1-95 (R2006)

Safety requirements for electric fans and regulators — Part 1: Fans and regulators for household and similar purposes (Adopted CEI/IEC 342-1:1981, second edition, with Canadian deviations)



Reaffirmed Standards (cont'd)

CAN/CSA-E967-94 (R2006)

Safety of electrically heated blankets, pads and similar flexible heating appliances for household use (Adopted CEI/IEC 967:1988, first edition, with Canadian deviations)

CAN/CSA-E60335-2-36-01 (R2006)

Safety of household and similar electrical appliances — Part 2-36: Particular requirements for commercial electric cooking ranges, ovens, hobs and hob elements (Adopted IEC 60335-2-36:2000, fourth edition, with Canadian deviations)

CAN/CSA-E60335-2-37-01 (R2006)

Safety of household and similar electrical appliances — Part 2-37: Particular requirements for commercial electric deep fat fryers (Adopted IEC 60335-2-37:2000, fourth edition, with Canadian deviations)

CAN/CSA-E60335-2-38-01 (R2006)

Safety of household and similar electrical appliances — Part 2-38: Particular requirements for commercial electric griddles and griddle grills (Adopted IEC 60335-2-38:2000, fourth edition, with Canadian deviations)

CAN/CSA-E60335-2-39-01 (R2006)

Safety of household and similar electrical appliances — Part 2-39: Particular requirements for commercial electric multi-purpose cooking pans (Adopted IEC 60335-2-39:2000, fourth edition, with Canadian deviations)

CAN/CSA-E60335-2-42-01 (R2006)

Safety of household and similar electrical appliances — Part 2-42: Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens (Adopted IEC 60335-2-42:2000, fourth edition, with Canadian deviations)

CAN/CSA-E60335-2-47-01 (R2006)

Safety of household and similar electrical appliances — Part 2-47: Particular requirements for commercial electric boiling pans (Adopted IEC 60335-2-47:2000, third edition, with Canadian deviations)

CAN/CSA-E60335-2-48-01 (R2006)

Safety of household and similar electrical appliances — Part 2-48: Particular requirements for commercial electric grillers and toasters (Adopted IEC 60335-2-48:2000, third edition, with Canadian deviations)

CAN/CSA-E60335-2-49-01 (R2006)

Safety of household and similar electrical appliances — Part 2-49: Particular requirements for commercial electric hot cupboards (Adopted IEC 60335-2-49:2000, third edition, with Canadian deviations)



Reaffirmed Standards (cont'd)

CAN/CSA-E60335-2-50-01 (R2006)

Safety of household and similar electrical appliances — Part 2-50: Particular requirements for commercial electric bains-marie (Adopted IEC 60335-2-50:2000, third edition, with Canadian deviations)

CAN/CSA-E60335-2-64-01 (R2006)

Safety of household and similar electrical appliances — Part 2-64: Particular requirements for commercial electric kitchen machines (Adopted IEC 60335-2-64:1997, second edition, including Amendment 1:2000, with Canadian deviations)

CAN/CSA-CEI/IEC 61000-4-8:02 (R2006)

Electromagnetic compatibility (EMC) — Part 4-8: Testing and measurement techniques — Power frequency magnetic field immunity test (Adopted CEI/IEC 61000-4-8:2002, first edition, without modification)

CAN/CSA-CEI/IEC 61000-4-9:02 (R2006)

Electromagnetic compatibility (EMC) — Part 4-9: Testing and measurement techniques — Pulse magnetic field immunity test (Adopted CEI/IEC 61000-4-9:1993, edition 1.1, including Amendment 1:2000, without modification)

CAN/CSA-CEI/IEC 61000-4-16:02 (R2006)

Electromagnetic compatibility (EMC) — Part 4-16: Test for immunity to conducted common mode disturbances in the frequency range 0 Hz to 150 Hz (Adopted CEI/IEC 61000-4-16:1998, first edition, including Amendment 1:2001, without modification)

CAN/CSA-CEI/IEC 61000-4-17:02 (R2006)

Electromagnetic compatibility (EMC) — Part 4-17: Testing and measurement techniques — Ripple on d.c. input power port immunity test (Adopted CEI/IEC 61000-4-17:1999, first edition, including Amendment 1:2001, without modification)

Withdrawn Standards

C22.2 No. 231 Series-M89 (R2001)

CSA Safety Requirements for Electrical and Electronic Measuring and Test Equipment (Series consists of C22.2 No. 231.0 and C22.2 No. 231.1.)

C22.2 No. 231SP-M1990 (R2000)

Audit Checklist and Test Pack for Use with CAN/CSA-C22.2 No. 231 Series-M89, “SA Safety Requirements for Electrical and Electronic Measuring and Test Equipment”

CAN/CSA-E335-2-18-94 (R2001)

Safety of household and similar electrical appliances — Part 2: Guide for preparing safety requirements for battery-powered motor-operated appliances and their charging and battery assemblies (Adopted CEI/IEC 335-2-18:1984, second edition, with Canadian deviations)



Withdrawn Standards (cont'd)

CAN/CSA-E335-2-19-94 (R2001)

Safety of household and similar electrical appliances — Part 2: Particular requirements for battery-powered shavers, hair clippers and similar appliances and their charging and battery assemblies (Adopted CEI/IEC 335-2-19:1984, second edition, with Canadian deviations)

CAN/CSA-E335-2-20-94 (R2001)

Safety of household and similar electrical appliances — Part 2: Particular requirements for battery-powered tooth-brushes and their charging and battery assemblies (Adopted CEI/IEC 335-2-20:1984, second edition, with Canadian deviations)

CAN/CSA-E335-2-33-94 (R2004)

Safety of household and similar electrical appliances — Part 2: Particular requirements for coffee mills and coffee grinders (Adopted CEI/IEC 335-2-33:1986, second edition, with Canadian deviations)

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 CEI/IEC 335-2-57:1989, first edition, with Canadian deviations)

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

Safety of household and similar electrical appliances — Part 2: Particular requirements for commercial electric water boilers and liquid heaters (Adopted CEI/IEC 335-2-63:1990, first edition, with Canadian deviations)

Under Development

Notice of Intent

For more information about the proposed development of the following new projects, contact Brian Haydon at 416-747-4006 or brian.haydon@csa.ca:

- **C22.2 No. 45.1, 2nd edition**
Electrical Rigid Metal Conduit — Steel
- **C22.2 No. 83.1, 2nd edition**
Electrical Metallic Tubing — Steel
- **C22.2 No. 2459, 1st edition**
Insulated Multi-Pole Splicing Wire Connectors

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

- **C22.2 No. 60745-2-3, 2nd edition**
Hand-held motor-operated electric tools — Safety — Part 2-3: Particular requirements for grinders, polishers and disk-type sanders



Notice of Intent (cont'd)

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. 61936-1, 1st edition**
Power installations exceeding 1 kV a.c. — Part 1: Common rules
(Proposed adoption of IEC 61936-1:2002, edition 1.0)
- **C50, 6th edition**
Insulating Oil, Electrical for Transformers and Switches
- **C60044-1:06, 1st edition**
Instrument transformers — Part 1: Current transformers
(Proposed adoption of IEC 60044-1:2003, edition 1.2, including Amendment 1:2000 and Amendment 2:2002)
- **C60044-2:06, 1st edition**
Instrument transformers — Part 2: Inductive voltage transformers
(Proposed adoption of IEC 60044-2:2003, edition 1.2, including Amendment 1:2000 and Amendment 2:2002)
- **C60044-3:06, 1st edition**
Instrument Transformers — Part 3: Combined Transformers
(Proposed adoption of IEC 60044-3:2002, edition 2.0)
- **C60044-5:06, 1st edition**
Instrument Transformers — Part 5: Capacitor Voltage Transformers
(Proposed adoption of IEC 60044-5:2004, edition 1.0)
- **C60044-6:06, 1st edition**
Instrument Transformers — Part 6: Requirements for Protective Current Transformers for Transient Performance (Proposed adoption of IEC 60044-6:1992, edition 1.0)
- **C60044-7:06, 1st edition**
Instrument Transformers — Part 7: Electronic Voltage Transformers
(Proposed adoption of IEC 60044-7:1999, edition 1.0)
- **C60044-8:06, 1st edition**
Instrument Transformers — Part 8: Electronic Current Transformers
(Proposed adoption of IEC 60044-8:2002, edition 1.0)
- **CISPR 22, 3rd edition**
Information Technology Equipment — Radio Disturbance Characteristics — Limits and Method of Measurement (Proposed adoption of CEI/IEC CISPR 22, edition 5.0, excluding Amendment 1)

Proposed Withdrawal of Standards

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

- **CAN/CSA-C108.6-M91**

Limits and Methods of Measurement of Electromagnetic Disturbance Characteristics of Industrial, Scientific and Medical (ISM) Radio Frequency Equipment
(Adopted CEI/IEC CISPR 11:2003, fourth edition, without modification)

Certification and Testing (CSA International)

Certification Notices

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

Effective Date	Subject	Title
December 16, 2006	Publication of amendments to CSA standard C22.2 No. 169-97/UL 2157, <i>Electric Clothes Washing Machines and Extractors</i> , with a new effective date. (Supersedes Appliances No. 4, dated January 31, 2005.)	Appliances No. 4A
► December 31, 2006	Publication of Amendment 1:2006 to CSA standard CAN/CSA-C22.2 No. 60065:03, <i>Audio, video and similar electronic apparatus — Safety requirements</i> .	Audio and Video Equipment No. 20
March 26, 2007	Publication of the ninth edition of UL 197, <i>Commercial Electric Cooking Appliances</i> .	Appliances No. 6B
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

**Certification Notices (cont'd)**

Effective Date	Subject	Title
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
▶ 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
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
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
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

New Standards – New Editions – Special Publications

C900.1-06, 1st edition

Heat meters — Part 1: General requirements (Adopted CEN EN 1434-1:1997, first edition, including Amendment 1:2002, with Canadian deviations)..... \$210

This standard covers general requirements for heat meters intended for measuring the heat that, in a heat-exchange circuit, is absorbed or given up by a liquid called the heat-conveying liquid. The heat meter indicates the quantity of heat in legal units.

Electrical safety requirements are not covered by this standard. Meters with surface mounted temperature sensors are not included in this standard.

C900.2-06, 1st edition

Heat meters — Part 2: Constructional requirements (Adopted CEN EN 1434-2:1997, first edition, including Amendment 1:2002, with Canadian deviations)..... \$240

This standard covers constructional requirements for heat meters. It does not cover electrical safety requirements, or meters with surface mounted temperature sensors.

C900.3-06, 1st edition

Heat meters — Part 3: Data exchange and interfaces (Adopted CEN EN 1434-3:1997, first edition, with Canadian deviations)..... \$240

This standard specifies the data exchange between a heat meter and a read-out device (POINT / POINT communication). For these applications using the optical readout head and the CL interface, the EN 61107 protocol is recommended.

This standard does not cover electrical safety requirements, or meters with surface mounted temperature sensors.

C900.4-06, 1st edition

Heat meters — Part 4: Pattern approval tests (Adopted CEN EN 1434-4:1997, first edition, including Amendment 1:2002, with Canadian deviations)..... \$210

This standard specifies approval tests for heat meters. It does not cover electrical safety requirements, or meters with surface mounted temperature sensors.

C900.5-06, 1st edition

Heat meters — Part 5: Initial verification tests (Adopted CEN EN 1434-5:1997, first edition, including Amendment 1:2002, with Canadian deviations)..... \$120

This standard specifies the initial verification tests for heat meters. These tests are intended to ensure that heat meters that are put into service conform to an approved pattern and to regulations; i.e., they have specified metrological characteristics within the limits of the maximum permissible errors and function properly.

This standard does not cover electrical safety requirements, or meters with surface mounted temperature sensors.



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

C900.6-06, 1st edition

Heat meters — Part 6: Installation, Commissioning, Operational Monitoring and Maintenance (Adopted CEN EN 1434-6:1997, first edition, including Amendment 1:2002, with Canadian deviations) \$120

This standard specifies the minimum requirements the design, installation, and commissioning of installations including heat meters, and for documentation, in order to ensure that the heat meter operates within its specified working range.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

N290.13-05, 1^{re} édition

Qualification environnementale des équipements pour les centrales nucléaires CANDU 200 \$

Cette norme énonce les exigences relatives au programme de qualification environnementale (QE) des centrales nucléaires CANDU. Ce programme comprend un ensemble d'activités planifiées et coordonnées qui assurent de façon vérifiable que, dans des conditions d'accident, les équipements devant assurer des fonctions de sûreté satisferont aux exigences fonctionnelles et de performance, ou les dépasseront, compte tenu des effets de l'utilisation normale.

Cette norme tient compte des effets du vieillissement sur les équipements requis afin d'atténuer les effets d'un accident de dimensionnement, ainsi que du besoin de réduire au minimum les défaillances de mode commun dans des conditions d'accident. La méthodologie présentée pour déterminer et préserver la qualification doit confirmer que l'équipement utilisé satisfera aux exigences de conception.

Amendments

Z245.12-05

Steel Flanges

Revision of Figure 2.

Under Development

Notice of Intent

For more information about the proposed development of the following new project, contact Dario Stefancic at 416-747-2636 or dario.stefancic@csa.ca:

- **C300, 7th edition**
Energy Performance and Capacity of Household Refrigerators, Refrigerator-Freezers, and Freezers

Notice of Intent (cont'd)

For more information about the proposed development of the following new project, contact Jose Luis Hernandez at 416-747-2519 or joseluis.hernandez@csa.ca:

- **IEC 62301, 1st edition**
Household electrical appliances — Measurement of standby power

For more information about the proposed development of the following new projects, contact Robert Storey at 416-747-2685 or robert.storey@csa.ca:

- **IEC 61400-1, 3rd edition**
Wind turbines — Part 1: Design requirements
- **IEC 61400-2, 2nd edition**
Wind turbines — Part 2: Design requirements for small wind turbines
- **IEC 61400-11, 2nd edition**
Wind turbines — Part 11: Acoustic noise measurement techniques
- **IEC 61400-12-1, 1st edition**
Wind turbines — Part 12-1: Power performance measurements of electricity producing wind turbines
- **IEC 61400-24, 1st edition**
Wind turbines — Part 24: Lightning protection

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
September 15, 2006	Announcing the phase-out of the labelling program for oil-fired products.	Oil-Fired Products No. 1

Certification Notices

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

Effective Date	Subject	Title
December 1, 2006	Publication of CSA standard B140.7-05, <i>Oil-Burning Equipment: Steam and Hot-Water Boilers</i> . (Supersedes the previous editions of CSA B140.7.1-1976, <i>Oil-Fired Steam and Hot-Water Boilers for Residential Use</i> , and CSA B140.7.2-1976, <i>Oil-Fired Steam and Hot Water Boilers for Commercial Use</i> .)	Fuel Burning Equipment No. 86



Certification Notices (cont'd)

Effective Date	Subject	Title
December 1, 2006	Publication of CSA standard B140.12-03, <i>Oil-Burning Equipment: Service Water Heaters for Domestic Hot Water, Space Heating, and Swimming Pools.</i>	Fuel Burning Equipment No. 87
December 1, 2006	Publication of CSA B140.4-04, <i>Oil-Fired Warm Air Furnaces.</i>	Fuel Burning Equipment No. 88

Completed Projects / Projets terminés

Reaffirmed Standards

CAN/CSA-ISO 14015:02 (R2006)

Environmental management — Environmental assessment of sites and organizations (EASO)

(Adopted ISO 14015:2001, first edition, without modification)

Under Development

Notice of Intent

For more information about the proposed development of the following new project, contact David Zimmerman at 416-747-2479 or david.zimmerman@csa.ca:

- **ISO 14025, 1st edition**
Environmental labels and declarations — Type III environmental declarations — Principles and procedures

Proposed Reaffirmation of Standards

For more information about the proposed reaffirmation of the following standards, contact David Zimmerman at 416-747-2479 or david.zimmerman@csa.ca:

- **Z763-96 (R2002)**
Introduction to Environmental Risk Assessment Studies
- **Z768-01**
Phase I Environmental Site Assessment

Proposed Withdrawal of Standards

For more information about the proposed withdrawal of the following standards, contact David Zimmerman at 416-747-2479 or david.zimmerman@csa.ca:

- **PLUS 1137**
Audit Checklist for Environmental Management Systems
- **PLUS 1138**
An Integrated Checklist for Quality Management Systems and Environmental Management Systems
- **PLUS 1146**
Guide to ISO 14001 Implementation in the Automotive Parts Manufacturing Sector



Proposed Withdrawal of Standards (cont'd)

- **PLUS 1147**
Guide to the Implementation of ISO 14001 at Airports
- **PLUS 1150-01**
Guide to the Implementation of an EMS for the Office Sector Based on ISO 14001
- **PLUS 1151-01**
Guide to the Implementation of ISO 14001 for the College and University Sector
- **PLUS 1152-01**
Guide to the Implementation of ISO 14001 for the School Sector
- **PLUS 1153-01**
Guide to the Implementation of ISO 14001 for the Hospital Sector
- **PLUS 1154-01**
Guide to the Implementation of an EMS Based on ISO 14001 for Municipal Facilities
- **PLUS 1157**
Guide to the Implementation of an EMS for the Primary Agriculture Sector Based on ISO 14001
- **PLUS 1164**
A Practical Handbook for Combining the Requirements of ISO 9001:2000 and ISO 14001:1996
- **PLUS 1165**
Protocol for Verification of the Environmental Performance Agreement Between Environment Canada, Industry Canada, and the Automotive Parts Manufacturers' Association
- **Z760-94 (R2001)**
Life Cycle Assessment

Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

ANSI NGV1-2006/CSA NGV1-2006, 2nd edition

Compressed Natural Gas Vehicle (NGV) Fueling Connection Devices..... \$450

This standard applies to newly produced compressed Natural Gas Vehicle (NGV) fueling connection devices, constructed entirely of new, unused parts and materials. NGV fueling connection devices shall consist of the following components, as applicable:

- receptacle and protective cap (mounted on vehicle)
- nozzle
- three-way valve (external to nozzle and mounted in the fuel dispenser system).

B139ON-06, 1st edition

Ontario Installation Code for Oil-Burning Equipment \$120

This special publication includes content from both CSA B139-04 and CAN/CSA-B139-00, *Installation Code for Oil-Burning Equipment*, and incorporates changes by the Technical Standards and Safety Authority (TSSA) to make the requirements suitable for Ontario.

This Code applies to the installation of the following:

- appliances, equipment, components, and accessories where oil is used for fuel purposes such as:
 - forced-air furnaces
 - boilers
 - process furnaces
 - water heaters
 - vehicle heaters
 - power supplies for buildings.
- all stationary and portable oil-burning equipment, including fuel supply equipment and piping
- aboveground and underground tanks.

This Code provides minimum requirements for the installation of, or alteration to, oil-burning equipment, including the following:

- supply tanks
- piping
- pumps
- control devices
- venting systems
- central oil distribution.



Reaffirmed Standards

CAN1-2.20-M85 (R2006)

Gas-Fired Brooders

Under Development

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 9, 2007.

Proposed Adoptions

For more information about the proposed adoption of the following IEC standard, contact Senka Krsikapa at 416-747-2508 or senka.krsikapa@csa.ca:

- **C62282-2, 1st edition**
Fuel cell technologies — Part 2: Fuel cell modules
(Proposed adoption of IEC 62282-2:2004, first edition, with Canadian deviations)

Proposed Reaffirmations

For more information about the proposed reaffirmation of the following standard, contact Senka Krsikapa at 416-747-2508 or senka.krsikapa@csa.ca:

- **B346-M1980 (R2002)**
Power-Operated Dispensing Devices for Flammable Liquids

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
July 4, 2006	Publication of ANSI Z83.4b-2006/CSA 3.7b-2006, <i>Non-Recirculating Direct Gas Fired Industrial Air Heaters</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z83.4-2003/CSA 3.7-2003 and Z83.4a-2004/CSA 3.7a-2004.	Gas Products No. 108
October 4, 2006	Publication of NSF/ANSI 4-2006e, <i>Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transport Equipment</i> .	Food Equipment Sanitation No. 2



Certification Notices

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

Effective Date	Subject	Title
May 1, 2007	Publication of 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 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
July 1, 2007	Publication of 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



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

CAN/CSA-Z22857-06, 1st edition

Health informatics — Guidelines on data protection to facilitate trans-border flows of personal health information (Adopted ISO 22857:2004, first edition, with Canadian deviations) \$155

This standard provides guidance on data protection requirements to facilitate the transfer of personal health data across national borders. It is normative only in respect to international exchange of personal health data. However, it may be informative with respect to the protection of health information within national boundaries and may help national bodies involved in the development and implementation of data-protection principles. The standard covers both the data protection principles that should apply to international transfers and the security policy that an organization should adopt to ensure compliance with those principles.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

Z259.10-06, 2^e édition

Harnais de sécurité 60 \$

Cette norme prescrit des exigences relatives à la performance, à la conception, à la mise à l'essai et au marquage des harnais de sécurité de même qu'à la prestation d'instructions d'utilisation. Les harnais de sécurité sont conçus pour supporter le corps dans le cadre de l'utilisation d'un système personnel de protection contre les chutes et dans d'autres situations de travail qui comportent des risques de chute.

Amendments

CAN/CSA-C22.2 No. 60601-2-38:03 (bilingual)

Medical electrical equipment — Part 2: Particular requirements for the safety of electrically operated hospital beds (Adopted CEI/IEC 601-2-38:1996, first edition, including Amendment 1:1999, with Canadian deviations)

Revision of the cover and the preface. Addition of Canadian deviations. Deletion of CSA Foreword.

CAN/CSA-Z1000-06

Occupational Health and Safety Management

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



Modifications publiées en français

CAN/CSA-C22.2 n° 60601-2-38:03 (bilingue)

Appareils électromédicaux — Partie 2 : Règles particulières de sécurité des lits d'hôpital électriques (norme CEI/IEC 601-2-38:1996, première édition, comprenant l'amendement 1:1999, adoptée avec exigences propres au Canada)

Des modifications ont été apportées à la couverture et à la préface. Les exigences propre au Canada ont été ajoutées. L'avant-propos (CSA) a été abrogé.

CAN/CSA-Z1000-06

Gestion de la santé et de la sécurité au travail

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.

Reaffirmed Standards

CAN/CSA-C22.2 No. 601.1B-M90 (R2006)

Amendment 2:1998 to CAN/CSA-C22.2 No. 601.1-M90, "Medical electrical equipment — Part 1: General requirements for safety" (Adopted Amendment 2:1995 to IEC 601-1:1988, without modification)

CAN/CSA-ISO 9703.1-97 (R2006)

Anaesthesia and respiratory care alarm signal — Part 1: Visual alarm signals (Adopted ISO 9703-1:1992, first edition, without modification)

CAN/CSA-ISO 9703.2-97 (R2006)

Anaesthesia and respiratory care alarm signal — Part 2: Auditory alarm signals (Adopted ISO 9703-2:1994, first edition, without modification)

CAN/CSA-Z262.4-00 (R2006)

Ice Hockey Pucks

CAN/CSA-Z317.2-01 (R2006)

Special Requirements for Heating, Ventilation, and Air Conditioning (HVAC) Systems in Health Care Facilities

CAN/CSA-Z364.1.1-94 (R2006)

Haemodialysers, Haemofilters, and Haemoconcentrators

CAN/CSA-Z364.1.2-94 (R2006)

Extracorporeal Circuit for Haemodialysers, Haemofilters and Haemoconcentrators

Z364.2.1-94 (R2006)

Fluid Supply and Monitoring Systems for Haemodialysis

CAN/CSA-Z615-87 (R2006)

Code for Hot Forging Producers, Health and Safety Requirements

Withdrawn Standards

PLUS 9001MD (R2003)

The ISO 9000 and 13485 essentials: A practical handbook for implementing the ISO 9000 and 13485 standards for medical device manufacturers

Under Development

Notice of Intent

For more information about the proposed development of the following new projects, contact Jeffrey Kraegel at 416-747-2249 or jeffrey.kraegel@csa.ca:

- **ISO/FDIS 11135-1, 1st edition**
Sterilization of health care products — Ethylene oxide — Part 1: Requirements for development, validation and routine control of a sterilization process for medical devices
- **ISO 11137-1:2006, 1st edition**
Sterilization of health care products — Radiation — Part 1: Requirements for development, validation and routine control of a sterilization process for medical devices
- **ISO 11137-2:2006, 1st edition**
Sterilization of health care products — Radiation — Part 2: Establishing the sterilization dose
- **ISO 11137-3:2006, 1st edition**
Sterilization of health care products — Radiation — Part 3: Guidance on dosimetric aspects
- **ISO 11138-1:2006, 2nd edition**
Sterilization of health care products — Biological indicators — Part 1: General requirements
- **ISO 11140-1:2005, 2nd edition**
Sterilization of health care products — Chemical indicators — Part 1: General requirements
- **ISO 15883-1:2006, 1st edition**
Washer-disinfectors — Part 1: General requirements, terms and definitions, and tests
- **ISO 15883-2:2006, 1st edition**
Washer-disinfectors — Part 2: Requirements and tests for washer-disinfectors employing thermal disinfection for surgical instruments, anaesthetic equipment, bowls, dishes, receivers, utensils, glassware, etc.
- **ISO 15883-3:2006, 1st edition**
Washer-disinfectors — Part 3: Requirements and tests for washer-disinfectors employing thermal disinfection for human waste containers
- **ISO/TS 15883-5:2005, 1st edition**
Washer-disinfectors — Part 5: Test soils and methods for demonstrating cleaning efficacy
- **ISO 17665-1:2006, 1st edition**
Sterilization of health care products — Moist heat — Part 1: Requirements for the development, validation and routine control of a sterilization process for medical devices



Notice of Intent (cont'd)

- **Z900.1, 2nd edition**
Cells, Tissues, and Organs for Transplantation and Assisted Reproduction: General Requirements
- **Z900.2.2, 2nd edition**
Tissues for Transplantation
- **Z900.2.3, 2nd edition**
Perfusible Organs for Transplantation
- **Z900.2.4, 2nd edition**
Ocular Tissues for Transplantation
- **Z900.2.5, 2nd edition**
Lymphohematopoietic Cells for Transplantation

For more information about the proposed development of the following new project, contact Cathryn Cortissoz at 416-747-2594 or cathryn.cortissoz@csa.ca:

- **C22.2 No. 60601-2-13, 1st edition**
Medical electrical equipment — Part 2:13: Particular requirements for the safety and essential performance of anaesthetic systems (Proposed adoption of IEC 60601-2-13:2003, edition 3.0)

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

- **C22.2 No. 60601-2-27, 2nd edition**
Medical electrical equipment — Part 2:27 : Particular requirements for the safety, including essential performance, or electrocardiographic monitoring equipment (Proposed adoption of IEC 60601-2-27:2005, edition 2.0)

For more information about the proposed development of the following new project, contact David Zimmerman at 416-747-2479 or david.zimmerman@csa.ca:

- **Z1004, 1st edition**
Industrial Ergonomics

Certification and Testing (CSA International)

Certification Notices

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

Effective Date	Subject	Title
► November 1, 2006	Clarification of performance requirements (Toe Cap and Sole Plate), marking and factory tests for chainsaw protective footwear covered under CAN/CSA Z195-02, <i>Protective Footwear</i> .	Occupational Health & Safety Products No. 49
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

Completed Projects / Projets terminés

Reaffirmed Standards

CAN/CSA-ISO/TR 10013:01 (R2006)

Guidelines for quality management system documentation (Adopted ISO 10013:1995, first edition, without modification)

Under Development

Proposed Reaffirmation of Standards

For more information about the proposed reaffirmation of the following standards, contact David Zimmerman at 416-747-2479 or david.zimmerman@csa.ca:

- **CAN3-Z299.0-86 (R2002)**
Guide for Selecting and Implementing the CAN3-Z299-85 Quality Assurance Program Standards
- **CAN3-Z299.1-85 (R2002)**
Quality Assurance Program — Category 1
- **CAN3-Z299.2-85 (R2002)**
Quality Assurance Program — Category 2
- **CAN3-Z299.3-85 (R2002)**
Quality Assurance Program — Category 3
- **CAN3-Z299.4-85 (R2002)**
Quality Assurance Program — Category 4

Proposed Withdrawal of Standards

For more information about the proposed withdrawal of the following standards, contact David Zimmerman at 416-747-2479 or david.zimmerman@csa.ca:

- **CAN/CSA-CEI/IEC 300-2-97 (R2002)**
Dependability management — Part 2: dependability programme elements and tasks (Adopted CEI/IEC 300-2:1995, first edition, without modification)
- **CAN/CSA-CEI/IEC 1160-96 (R2001)**
Formal Design Review (Adopted CEI/IEC 1160:1992, first edition, without modification)
- **Q631-97 (R2002)**
Reliability, Availability, and Maintainability (RAM) Definitions



Proposed Withdrawal of Standards (cont'd)

- **Q635-95 (R2001)**
Guide to Life Cycle Costing
- **Q636-93 (R2001)**
Guidelines and Requirements for Reliability Analysis Methods
- **CAN/CSA-Q706.4-96 (R2001)**
Guide on maintainability of equipment — Part 4: Section 8 — Maintenance and maintenance support planning (Adopted CEI/IEC 706-4:1992, first edition, with Canadian deviations)



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