



**CANADIAN STANDARDS
ASSOCIATION**

INFO UPDATE

Volume 3 — May 2008

Issue date: May 9, 2008

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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find out just how convenient
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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 It contains important information about new and existing standards, e.g., recently published standards, and withdrawn standards.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

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 <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; 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 416-747-2488, or fax 416-747-4173.



Construction Products and Materials

[A277-08, 5th edition](#)

Procedure for Factory Certification of Buildings

[O80 Series-08, 10th edition](#)

Wood Preservation

[O112.10-08, 1st edition](#)

Evaluation of Adhesives for Structural Wood Products (Limited Moisture Exposure)

[O121-08, 7th edition](#)

Douglas Fir Plywood

[Z240 RV Series-08, 3rd edition](#)

Recreational Vehicles

[Z240.10.1-08, 3rd edition](#)

Site Preparation, Foundation, and Anchorage of Manufactured Homes



Produits et matériaux de construction

[B64.10-07, 5^e édition / B64.10.1-07, 2^e édition](#)

Sélection et installation des dispositifs antirefoulement / Entretien et mise à l'essai à pied d'œuvre des dispositifs antirefoulement



Electrical/Electronics

[C22.2 No. 36-08, 7th edition](#)

Hairdressing Equipment

[C22.2 No. 123-08, 5th edition](#)

Metal Sheathed Cables

[CAN/CSA-C22.2 No. 60601-1:08, 2nd edition \(bilingual\)](#)

Medical electrical equipment — Part 1: General requirements for basic safety and essential performance (Adopted IEC 60601-1:2005, third edition, with Canadian deviations)

[C68.10-08, 1st edition](#)

Shielded Power Cable for Commercial and Industrial Applications

[C227.5-08, 1st edition](#)

Three-Phase Live-Front Pad-Mounted Distribution Transformers

[CAN/CSA-E60691:08, 2nd edition \(bilingual\)](#)

Thermal-links — Requirements and application guide (Adopted CEI/IEC 60691:2002, third edition, including Amendment 1:2006, with Canadian deviations)

 **Électricité et électronique**

[C22.2 n° 250.7-07, 1^{re} édition](#)

Réseau d'éclairage paysager de très basse tension

[CAN/CSA-C22.2 n° 60601-1:08, 2^e édition \(bilingue\)](#)

Appareils électromédicaux — Partie 1 : Exigences générales pour la sécurité de base et les performances essentielles (norme IEC 60601-1:2005, troisième édition, adoptée avec exigences propres au Canada)

[CAN/CSA-E60691:08, 2^e édition \(bilingue\)](#)

Protecteurs thermiques — Prescriptions et guide d'application (norme CEI/IEC 60691:2002, troisième édition, comprenant l'amendement 1:2006, adoptée avec exigences propres au Canada)

 **Energy**

[C300-08, 7th edition](#)

Energy Performance and Capacity of Household Refrigerators, Refrigerator-Freezers, Freezers, and Wine Chillers

[C380-08, 1st edition](#)

Test Procedure for the Measurement of Energy Consumption of Set-Top Boxes (STBs)

[CAN/CSA-C61400-1:08, 1st edition \(bilingual\)](#)

Wind turbines — Part 1: Design requirements (Adopted IEC 61400-1:2007, third edition, with Canadian deviations)

[CAN/CSA-C61400-2:08, 1st edition \(bilingual\)](#)

Wind turbines — Part 2: Design requirements for small wind turbines (Adopted IEC 61400-2:2006, second edition, with Canadian deviations)

[N287.2-08, 5th edition](#)

Material Requirements for Concrete Containment Structures for CANDU Nuclear Power Plants

[N291-08, 5th edition](#)

Requirements for Safety-Related Structures for CANDU Nuclear Power Plants

[N292.3-08, 1st edition](#)

Management of Low- and Intermediate-Level Radioactive Waste

 **Énergie**

[CAN/CSA-C61400-1:08, 1^{re} édition \(bilingue\)](#)

Eoliennes — Partie 1 : Exigences de conception (norme IEC 61400-1:2007, troisième édition, adoptée avec exigences propres au Canada)

[CAN/CSA-C61400-2:08, 1^{re} édition \(bilingue\)](#)

Eoliennes — Partie 2 : Exigences en matière de conception des petits aérogénérateurs (norme IEC 61400-2:2007, deuxième édition, adoptée avec exigences propres au Canada)

[Z276-07, 8^e édition](#)

Gaz naturel liquéfié (GNL) : production, stockage et manutention

 **Gas Equipment**

[ANSI NGV 2-2007, 2nd edition](#)

Compressed Natural Gas Vehicle Fuel Containers

[ANSI Z83.20-2008/CSA 2.34-2008, 2nd edition](#)

Gas-Fired Low-Intensity Infrared Heaters

[ANSI Z83.25-2008/CSA 3.19-2008, 1st edition](#)

Direct Gas-Fired Process Air Heaters

 **Appareils à gaz**

[P.2-07, 2^e édition](#)

Méthode d'essai pour mesurer le taux d'utilisation annuel de combustible des chaudières et générateurs d'air chaud à gaz résidentiels

 **Life Sciences**

[CAN/CSA-C22.2 No. 60601-1:08, 2nd edition \(bilingual\)](#)

Medical electrical equipment — Part 1: General requirements for basic safety and essential performance (Adopted IEC 60601-1:2005, third edition, with Canadian deviations)

[Z96.1-08, 1st edition](#)

Guideline on Selection, Use, and Care of High-Visibility Safety Apparel

[Z314.8-08, 3rd edition](#)

Decontamination of Reusable Medical Devices

[CAN/CSA-Z5356-1-08, 1st edition](#)

Anaesthetic and respiratory equipment — Conical connectors — Part 1: Cones and sockets (Adopted ISO 5356-1:2004, third edition, with Canadian deviations)

Life Sciences (cont'd)

[CAN/CSA-Z5356-2-08, 1st edition](#)

Anaesthetic and respiratory equipment — Conical connectors — Part 2: Screw-threaded weight-bearing connectors (Adopted ISO 5356-2:2006, second edition, with Canadian deviations)

[CAN/CSA-Z8637-08, 1st edition](#)

Cardiovascular implants and artificial organs — Haemodialysers, haemodiafilters, haemofilters and haemoconcentrators (Adopted ISO 8637:2004, second edition, with Canadian deviations)

[CAN/CSA-Z8638-08, 1st edition](#)

Cardiovascular implants and artificial organs — Extracorporeal blood circuit for haemodialysers, haemodiafilters and haemofilters (Adopted ISO 8638:2004, second edition, with Canadian deviations)

[CAN/CSA-Z10651-4-08, 1st edition](#)

Lung ventilators — Part 4: Particular requirements for operator-powered resuscitators (Adopted ISO 10651-4:2002, first edition, with Canadian deviations)

[CAN/CSA-Z10651-5-08, 1st edition](#)

Lung ventilators for medical use — Particular requirements for basic safety and essential performance — Part 5: Gas-powered emergency resuscitators (Adopted ISO 10651-5:2006, first edition, with Canadian deviations)

[CAN/CSA-Z18777-08, 1st edition](#)

Transportable liquid oxygen systems for medical use — Particular requirements (Adopted ISO 18777:2005, first edition, with Canadian deviations)

[CAN/CSA-Z18778-08, 1st edition](#)

Respiratory equipment — Infant monitors — Particular requirements (Adopted ISO 18778:2005, first edition, with Canadian deviations)

[CAN/CSA-Z18779-08, 1st edition](#)

Medical devices for conserving oxygen and oxygen mixtures — Particular requirements (Adopted ISO 18779:2005, first edition, with Canadian deviations)



Sciences de la Vie

[CAN/CSA-C22.2 n° 60601-1:08, 2^e édition \(bilingue\)](#)

Appareils électromédicaux — Partie 1: Exigences générales pour la sécurité de base et les performances essentielles (norme IEC 60601-1:2005, troisième édition, adoptée avec exigences propres au Canada)

[Z94.3-07, 7^e édition](#)

Protecteurs oculaires et faciaux

[CAN/CSA-Z5356-1-08, 1^{re} édition](#)

Matériel d'anesthésie et de réanimation respiratoire — Raccords coniques — Partie : 1 Raccords mâles et femelles (norme ISO 5356-1:2004, troisième édition, adoptée avec exigences propres au Canada)

[CAN/CSA-Z5356-2-08, 1^{re} édition](#)

Matériel d'anesthésie et de réanimation respiratoire — Raccords coniques — Partie : 2 Raccords à vis supportant un certain poids (norme ISO 5356-2:2006, deuxième édition, adoptée avec exigences propres au Canada)

[CAN/CSA-Z10651-4-08, 1^{re} édition](#)

Ventilateurs pulmonaires — Partie 4 : Exigences relatives aux ressuscitateurs à puissance motrice manuelle (norme ISO 10651-4:2002, première édition, adoptée avec exigences propres au Canada)

[CAN/CSA-Z18777-08, 1^{re} édition](#)

Systèmes transportables d'oxygène liquide à usage médical — Exigences particulières (norme ISO 18777:2005, première édition, adoptée avec exigences propres au Canada)

[CAN/CSA-Z18778-08, 1^{re} édition](#)

Matériel respiratoire — Moniteurs pour enfants — Exigences particulières (norme ISO 18778:2005, première édition, adoptée avec exigences propres au Canada)

[CAN/CSA-Z18779-08, 1^{re} édition](#)

Économiseurs médicaux d'oxygène et de mélanges oxygénés — Exigences particulières (norme ISO 18779:2005, première édition, adoptée avec exigences propres au Canada)



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



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

A277-08, 5th edition

Procedure for Factory Certification of Buildings..... \$80

This standard specifies the procedure for factory certification of manufactured, modular, and panelized buildings intended for residential, commercial, or semi-commercial use.

This standard specifies requirements for the following:

- certification of the factory quality program
- certification of the built product
- auditing of the factory quality program
- in-factory inspection of the built product.

O80 Series-08, 10th edition

Wood Preservation..... \$110

The O80 series contains the following standards:

- **O80.0-08, *General Requirements for Wood Preservation*.** This standard specifies requirements related to the preservation and fire retardance of wood through chemical treatment (pressure and thermal impregnation). The subjects covered include materials and their analysis, pressure and thermal impregnation procedures, and fabrication and installation to put treated wood into service.
- **O80.1-08, *Specification of Treated Wood*.** This standard is intended to help specifiers identify appropriate requirements for specific wood products and end-use environments.
- **O80.2-08, *Processing and Treatment*.** This standard specifies minimum requirements for treatment of wood products covered by the O80 Series of standards, including conditioning for treatment, treatment processes and limitations, end results of treatment, post-treatment handling, and quality control. Treatment practices and results should comply with the O80 Series of standards as a whole and the relevant AWWA standards.
- **O80.3-08, *Preservative Formulations*.** This standard specifies requirements for creosote and copper naphthenate for field treatment of field cuts.
- **O80.4-08, *Hydrocarbon Solvents*.** This standard specifies requirements for Type A and Type C (light hydrocarbon solvent with an auxiliary solvent) hydrocarbon solvents for preparing solutions of pentachlorophenol.
- **O80.5-08, *Additives*.** This standard specifies requirements for preparation and use of preservative/additive combinations permitted by O80.1 and O80.2.



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

O112.10-08, 1st edition

Evaluation of Adhesives for Structural Wood Products (Limited Moisture Exposure)..... \$90

This standard specifies requirements for evaluating adhesives used to bond solid wood materials in structural wood products intended for limited moisture exposure applications.

This standard specifies requirements for evaluating the resistance of adhesives to the following:

- shear caused by compression loading, under both dry and re-dry conditions
- delamination during accelerated exposure to wetting and drying
- deformation under static shear loading during exposure to heat or high humidity.

O121-08, 7th edition

Douglas Fir Plywood..... \$80

This standard applies to exterior bond, all-veneer plywood with a minimum of three plies and parallel grain direction of the face and back plies.

This standard specifies requirements for the following:

- a quality system
- ply species
- materials
- panel construction
- bonding
- veneer and panel grades
- dimensions and tolerances
- marking
- testing.

Z240 RV Series-08, 3rd edition

Recreational Vehicles..... \$200

The Z240 RV series contains the following standards:

- **Z240.0.2-08, *General Requirements for Recreational Vehicles*.** This standard specifies dimensional and safety requirements for recreational vehicles. Its purpose is to specify minimum criteria for providing a degree of protection against loss of life from fire and explosion.
- **Z240.1.2-08, *Vehicular Requirements for Recreational Vehicles*.** This standard specifies vehicular requirements for recreational vehicles, except motor homes, and covers couplings, tongues, and A-frames, lighting (for slide-in campers only), glazing materials, and running gear.



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

Z240 RV Series-08 (cont'd)

Z240.1.2-08 (cont'd)

This standard includes performance tests for the following;

- coupling strength
- photometric and mechanical performance of lighting equipment
- optical strength properties of glazing material
- service brake performance.

Cargo transportation space that is an integral part of a recreational vehicle and intended for transporting or storing livestock, vehicles (including motorcycles), snow machines, or watercraft is not prohibited by this standard.

- **Z240.3.2-08**, *Plumbing Requirements for Recreational Vehicles*. This standard sets the minimum installation requirements and material standards for plumbing systems in recreational vehicles.
- **Z240.4.2-08**, *Installation Requirements for Propane Appliances and Equipment in Recreational Vehicles*. This standard applies to the factory installation of propane appliances, accessories, and equipment in recreational vehicles.
- **Z240.6.2-08/C22.2 No. 148-08**, *Electrical Requirements for Recreational Vehicles*. This standard specifies electrical requirements for recreational vehicles that are intended to be connected by a cord and attachment plug to a source of electrical supply not exceeding 250 V between conductors or 150 V to ground, in accordance with the rules of the *Canadian Electrical Code, Part I*.

Z240.10.1-08, 3rd edition

Site Preparation, Foundation, and Anchorage of Manufactured Homes \$75

This standard applies to manufactured and modular homes designed to be supported on longitudinal floor beams.

This standard includes requirements for the following aspects of manufactured home installation:

- site preparation
- foundations for single- and multiple-section single-storey units
- anchorage
- connection of multiple-section units
- skirting.

This standard is intended to be used by installers, inspectors, and owners of manufactured homes.

Foundation systems designed and constructed in accordance with this standard are permanent installations.



Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

B64.10-07, 5^e édition / B64.10.1-07, 2^e édition

Sélection et installation des dispositifs antirefoulement / Entretien et mise à l'essai à pied d'œuvre des dispositifs antirefoulement..... 125 \$

- **B64.10** prescrit les exigences relatives à la sélection et à l'installation des dispositifs antirefoulement. La norme ne prescrit pas d'exigences visant les matériaux, la fabrication ni la mise à l'essai des dispositifs antirefoulement. Ces exigences sont énoncées dans la série CSA B64, l'ASME A112.18.1/CSA B125.1 ainsi que dans la CSA B125.3.
- **B64.10.1** prescrit les exigences relatives à l'entretien et à la mise à l'essai à pied d'œuvre des dispositifs.

Amendments

CAN/CSA-B66-05

Design, Material, and Manufacturing Requirements for Prefabricated Septic Tanks and Sewage Holding Tanks

Update No. 1: Revision of Clause 10.3.

Update No. 2: Revision of the outside front cover and the title page. Addition of National Standards of Canada text.

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

CAN/CSA-B137 Series-05

Thermoplastic Pressure Piping Compendium

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

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

CAN/CSA-B1800-06

Thermoplastic Nonpressure Piping Compendium

Revision of Clause 7.1 of CAN/CSA-B182.4-06.

O325-07

Construction Sheathing

The following is a list of errata that have been identified in the 2007 edition of CSA O325.

- CSA Pages — CSA/2.
- PS 2-04, Performance Standard for Wood-Based Structural-Use Panels — Pages 7, 10, 18, 34, and 36.



Modifications publiées en français

CAN/CSA-B66-05

Exigences visant la conception, les matériaux constitutifs et la fabrication des fosses septiques et réservoirs de rétention préfabriqués

Mise à jour n° 1 : Des modifications ont été apportées à l'article 10.3.

Mise à jour n° 2 : 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.

Cette norme est offerte en format PDF seulement.

CAN/CSA-B137 Série-05

Recueil de normes sur la tuyauterie sous pression en matière thermoplastique

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.

Cette norme est offerte en format PDF seulement.

CAN/CSA-B1800-06

Recueil de normes sur les tuyaux thermoplastiques sans pression

L'article 7.1 de la CAN/CSA-B182.4-06 a été révisé.

O325-07

Revêtements intermédiaires de construction

Ce document constitue un erratum à l'édition 2007 de la CSA O325.

- Pages CSA — CSA/2.
PS 2-04, Norme de tenue en service applicable aux panneaux structuraux dérivés du bois — Pages 13, 21, 39 et 42.

Reaffirmed Standards

W47.2-M1987 (R2008)

Certification of Companies for Fusion Welding of Aluminum

W55.3-1965 (R2008)

Resistance Welding Qualification Code for Fabricators of Structural Members Used in Buildings

Withdrawn Standards

CAN3-A93-M82 (R2003)

Natural Airflow Ventilators for Buildings

B111-1974 (R2003)

Wire Nails, Spikes and Staples



Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
March 21, 2008	Publication of Technical Information Letter (T.I.L.), No. MSE-53, providing interim certification requirements for injection moulded asbestos cement fittings. This T.I.L. covers early adoption of approved technical requirements for injection moulded asbestos cement fittings that are not currently addressed in CSA standard B127.1-99.	Plumbing Products No. 185

Certification Notices

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

Effective Date	Subject	Title
► October 1, 2009	Announcing revised requirements for the acceptance of non-CSA certified gas, electrical, and plumbing products in recreational vehicles, park model trailers, mobile homes, and modular homes. (Supersedes Building Products No. 14 & 14A/Recreational Vehicles No. 28 & 28A.)	Building Products No. 14B / Recreational Vehicles No. 28B



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

C22.2 No. 36-08, 7th edition

Hairdressing Equipment \$110

This standard applies to household and commercial electrical hairdressing equipment of the portable, pedestal, and table-mounted types, including hair dryers, hair steamers, combs, curlers, and the attachments with which they are sold, rated at 250 V and less, designed for use in nonhazardous location, in accordance with the rules of the *Canadian Electrical Code, Part I*.

This standard applies to portable multi-voltage equipment that is intended to operate on more than one nominal system voltage and to be:

- supplied with a cord set(s) or a power supply cord suitable for one intended operating voltage and an operator-accessible voltage-selecting means;
- used with direct plug-in devices, such as power supplies with built-in selector switches; or
- supplied with a cord set(s) terminating at one end in an attachment plug suitable for the intended operating voltage and at the other end in a unique connector that automatically establishes the correct voltage when connected to the machine, and no operator voltage-selecting means.

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

C22.2 No. 123-08, 5th edition

Metal Sheathed Cables..... \$75

This standard applies to single-conductor and multi-conductor Type RA90 and RC90 cables having a maximum temperature rating of 90 °C in both dry and wet locations and intended for installation in accordance with the rules of the *Canadian Electrical Code, Part I*.

Cables covered in this standard are intended for use on systems having nominal voltages up to 5000 V, except for 2-conductor, parallel, smooth aluminum sheathed cable, which is limited to 600 V.

Type RA90 aluminum or RC copper sheathed cables covered by this standard consist of a seamless smooth metal sheath or seamed or seamless corrugated metal sheath applied over one or more insulated conductors. In some cases an optional nonmetallic overall covering is applied over the sheath.

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



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

CAN/CSA-C22.2 No. 60601-1:08, 2nd edition (bilingual)
Medical electrical equipment — Part 1: General requirements for basic safety and essential performance (Adopted IEC 60601-1:2005, third edition, with Canadian deviations)..... \$340

This standard applies to the basic safety and essential performance of medical electrical equipment and medical electrical systems.

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

C68.10-08, 1st edition
Shielded Power Cable for Commercial and Industrial Applications..... \$135

This standard applies to the materials, construction, and testing of one- to four-conductor cross-linked polyethylene and ethylene propylene rubber-insulated shielded power cables, rated 5 to 46 kV, that are used for the distribution of electrical energy under normal conditions of installation and service in indoor, outdoor, aerial, underground, or underwater locations.

This standard specifies requirements for conductors, insulation, and protective coverings as well as for the construction and dimensions of most standard types of shielded cable.

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

C227.5-08, 1st edition
Three-Phase Live-Front Pad-Mounted Distribution Transformers..... \$100

This standard specifies requirements for three-phase live-front pad-mounted distribution transformer units that:

- consist of a transformer and a separable or integral cable entrance compartment
- are rated 75 to 3000 kV•A and are intended for operation on three-phase underground distribution systems having the preferred rated voltages
- are intended for mounting outdoors on pads without additional protective enclosures.

This standard allows for the replacement of a live-front pad-mounted unit by another unit of the same basic physical size from a different manufacturer without modification to cables or pad. It covers terminal arrangements for both radial and loop-feed systems, including certain minimum and other dimensions.

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

CAN/CSA-E60691:08, 2nd edition (bilingual)
Thermal-links — Requirements and application guide (Adopted CEI/IEC 60691:2002, third edition, including Amendment 1:2006, with Canadian deviations) \$220

This standard applies to thermal-links intended for incorporation in electrical appliances, electronic equipment and component parts, normally intended for use indoors, in order to protect them against excessive temperatures under abnormal conditions.

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

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

C22.2 n° 250.7-07, 1^{re} édition

Réseau d'éclairage paysager de très basse tension 200 \$

Cette norme vise les réseaux d'éclairage paysager de très basse tension, et leurs composants, raccordés par cordon, enfichables ou raccordés en permanence à une dérivation d'au plus 150 volts à la terre conformément au *Code canadien de l'électricité, Première partie*.

Cette norme vise uniquement les réseaux d'éclairage paysager de très basse tension dont la tension maximale du circuit de sortie est de 300 VA ou 25 A, en choisissant la valeur la plus basse, pour chacun des circuits secondaires fonctionnant à au plus 30 V eff. ou 42,4 V crête.

Les réseaux d'éclairage paysager de très basse tension visés par cette norme sont destinés à être utilisés dans un jardin, sur un chemin piétonnier, sur une terrasse ou dans un endroit extérieur similaire ou dans des endroits précis à l'intérieur comme les atriiums et les centres commerciaux conformément au marquage sur le produit.

CAN/CSA-C22.2 n° 60601-1:08, 2^e édition (bilingue)

Appareils électromédicaux — Partie 1 : Exigences générales pour la sécurité de base et les performances essentielles (norme IEC 60601-1:2005, troisième édition, adoptée avec exigences propres au Canada) 340 \$

Cette norme s'applique à la sécurité de base et aux performances essentielles des appareils électromédicaux et des systèmes électromédicaux.

Cette norme est offerte en format PDF seulement.

CAN/CSA-E60691:08, 2^e édition (bilingue)

Protecteurs thermiques — Prescriptions et guide d'application (norme CEI/IEC 60691:2002, troisième édition, comprenant l'amendement 1:2006, adoptée avec exigences propres au Canada)220 \$

Cette norme est applicable aux protecteurs thermiques destinés à être incorporés dans les appareils électriques, le matériel électronique et ses composants, normalement utilisés à l'intérieur d'un local, afin de les protéger contre les températures excessives lors de fonctionnement anormal.

Cette norme est offerte en format PDF seulement.



Amendments

CAN/CSA-C22.2 No. 130-03

Requirements for Electrical Resistance Heating Cables and Heating Device Sets

Revision of the contents, Clauses 1.3, 2, 4.8, 6.2.5.4.5, 6.2.6, and B.3, and Figure 6.

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

C22.2 No. 245-95 (R2004)

Marine Shipboard Cable

Revision of the title page, the copyright page, the contents, and Clauses 3.13 and 3.15.

Addition of Table 6A. Deletion of the CSA and UL foreword.

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

CAN/CSA-C22.2 No. 227.2.1-04

Liquid-Tight Flexible Nonmetallic Conduit

Revision of the title page, the copyright page, the contents, the preface, and Clauses

4.1.1, 6.1.3, and 6.2.1 Deletion of the CSA and UL foreword.

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

CAN/CSA-E60730-2-9A:01 (bilingual)

Amendment 1:2008 to CAN/CSA-E60730-2-9:01, "Automatic electrical controls for household and similar use — Part 2-9: Particular requirements for temperature sensing controls (Adopted Amendment 1:2002 to CEI/IEC 60730-2-9:2000, with Canadian deviations).....

\$60

This document provides revisions to CAN/CSA-E60730-2-9:01.

Modifications publiées en français

C22.2 n° 111-00 (C2005)

Interrupteurs à rupture brusque tout usage (norme binationale avec l'UL 20)

Des modifications ont été apportées à la page titre, à la page des droits d'auteur, à la table des matières, à la préface, aux articles 3.4.1, 4.1.2, 5.2.2, 5.2.3, 5.7.3, 5.7.4, 6.4, aux tableaux 15 et 16 et à la figure 1. Les articles 4.9.5, 5.18, 7.6.14 et 7.6.15 ont été ajoutés.

Cette norme est offerte en format PDF seulement.

CAN/CSA-C22.2 n° 130-03

Exigences relatives aux câbles chauffants par résistance et aux ensembles d'appareils chauffants par résistance

Des modifications ont été apportées aux articles 1.3, 2, 4.8, 6.2.5.4.5, 6.2.6 et B.3 et à la figure 6.

Cette norme est offerte en format PDF seulement.

Modifications publiées en français (suite)

CAN/CSA-E60730-2-9A:01 (bilingue)

Modification 1:2008 à la norme CAN/CSA-E60730-2-9:01, « Dispositifs de commande électrique automatiques à usage domestique et analogue — Partie 2-9 : Règles particulières pour les dispositifs de commande thermosensibles (norme CEI/IEC 60730-2-9:2000, Amendement 1:2002, adoptée avec les exigences propres au Canada) 60 \$

Ce document renferme des modifications à la CAN/CSA-E60730-2-9:01.

Reaffirmed Standards

C22.2 No. 0.5-1982 (R2008)

Threaded Conduit Entries

C22.2 No. 0.8-M1986 (R2008)

Safety Functions Incorporating Electronic Technology

CAN/CSA-C22.2 No. 130-03 (R2008)

Requirements for Electrical Resistance Heating Cables and Heating Device Sets

C22.2 No. 160-M1985 (R2008)

Voltage and Polarity Testers

CAN/CSA-C411.4-98 (R2008)

Composite Suspension Insulators for Transmission Applications

Certification and Testing (CSA International)

Informes Notices

Date	Subject	Title
February 18, 2008	Publication of a new version of Manufacturing Control Checklist, Form CPC-1. This form was revised to incorporate changes to the <i>Canadian Electrical Code</i> , CSA standard C22.1-06 and CSA standard C22.2 No 14-05, <i>Industrial Control Equipment</i> .	Industrial Control Equipment No. 23
March 31, 2008	Clarification of certification requirements for component motor controllers covered in CSA C22.2 No. 14-2005, <i>Industrial Control Equipment</i> .	Industrial Control Equipment No. 24

**Informs Notices (cont'd)**

Date	Subject	Title
February 29, 2008	Publication of Update No. 4 to CSA standard C22.2 No. 52-96 (R2000), <i>Underground Service-Entrance Cables</i> .	Wire and Cable No. 133
March 3, 2008	Publication of CSA standard C22.2 No. 131-07, <i>Type TECK 90 cable</i> .	Wire and Cable No. 134

Certification Notices

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

Effective Date	Subject	Title
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
December 31, 2008	Publication of CSA standard C22.2 No. 256-05, <i>Direct Plug-In Nightlights</i> .	Lighting Products No. 49
► January 30, 2009	Publication of CSA standard C22.2 No. 45.1-07, <i>Electrical Rigid Metal Conduit — Steel</i> (tri-national standard with UL 6 and NMX-J-534-ANCE-2007). (Supersedes Conduit No. 14.)	Conduit No. 21
► January 30, 2009	Publication of CSA standard C22.2 No. 83.1-07, <i>Electrical Metallic Tubing - Steel</i> (tri-national standard with UL 797 and NMX-J-536-ANCE-2007). (Supersedes Raceways and Fittings No. 5.)	Raceways and Fittings No. 6
January 31, 2009	Publication of Update No. 1 to CSA standard C22.2 No. 18.3-04, <i>Conduit Tubing and Cable Fittings</i> (tri-national standard with NMX-J-017-ANCE and UL514B).	Wiring Products No. 10

Certification Notices (cont'd)

Effective Date	Subject	Title
February 27, 2009	New and revised requirements in standard UL 588, <i>Seasonal and Holiday Decorative Products, 18th edition.</i>	Lighting Products No. 50
▶ January 1, 2010	Publication of the second edition of CSA standard CAN/CSA-C681-06, <i>Performance of Self-Ballasted Compact Fluorescent lamps and Ballasted Adapters.</i>	Verification Service Announcement No. 35
▶ March 10, 2010	Publication of Update No. 2 to CSA standard C22.2 No. 243-01, <i>Vacuum Cleaners, Blower Cleaners and Household Floor Finishing Machines</i> (bi-national standard with UL 1017).	Vacuum Cleaners and Blower Cleaners No. 9
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
December 1, 2010	Publication of CSA standard CAN/CSA-C22.2 No. 60950-1-07 (bi-national standard with UL 60950-1).	Information Technology and Electrical Business Equipment No. 16
January 1, 2012	Publication of CAN/CSA-E61131-2:06, <i>Programmable Controllers — Part 2: Equipment requirements and tests</i> (Adopted IEC 61131-2:2003, 2nd edition).	Programmable Controllers No. 1
May 1, 2012 (Canada)	Publication of bi-national standard CSA C22.2 No. 66-06 Series and UL 5085 Series, <i>Low Voltage Transformers.</i>	Transformers No. 6
August 21, 2016	Publication of CAN/CSA-C22.2 No. 60335-2-24-06, <i>Safety Requirements for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Refrigerating Appliances, Ice Cream Appliances and Ice Makers</i> (tri-national standard with UL 60335-2-24 and NMX-J-521/2-24-ANCE-2006. Adopted IEC 60335-2-24:2002, sixth edition, with national deviations).	Household Refrigerators and Freezers No. 3



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

C300-08, 7th edition

Energy Performance and Capacity of Household Refrigerators, Refrigerator-Freezers, Freezers, and Wine Chillers..... \$110

This standard applies to compact and household refrigerators, refrigerator-freezers, freezers, wine chillers, and hybrid wine chillers that are electrically operated on a 60 Hz alternating current, with a nominal supply voltage of 115 V.

This standard applies to the following:

- refrigerators and refrigerator-freezers with a maximum capacity of 1100 L (39 ft³)
- freezers with a maximum capacity of 850 L (30 ft³)
- wine chillers and hybrid wine chillers with a maximum refrigerated volume of 1100 L (39 ft³).

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

C380-08, 1st edition

Test Procedure for the Measurement of Energy Consumption of Set-Top Boxes (STBs) \$100

This standard applies to the test method for measuring and calculating the energy consumption of set-top boxes (STBs) whose primary function is video reception and delivery.

CAN/CSA-C61400-1:08, 1st edition (bilingual)

Wind turbines — Part 1: Design requirements (Adopted IEC 61400-1:2007, third edition, with Canadian deviations) \$270

This standard specifies essential design requirements to ensure the engineering integrity of wind turbines. Its purpose is to provide an appropriate level of protection against damage from all hazards during the planned lifetime.

This standard is concerned with all subsystems of wind turbines, such as control and protection mechanisms, internal electrical systems, mechanical systems, and support structures.

This standard applies to wind turbines of all sizes. For small wind turbines, CAN/CSA-C61400-2:2008 may be applied.

CAN/CSA-C61400-1 specifies minimum design requirements for wind turbine installations in Canada and is not intended for use as a complete design specification or instruction manual.

Most current and proposed Canadian wind turbine installations are or will be located in environments that experience more severe icing conditions and colder temperatures than the icing conditions and temperatures within the normal design ranges identified in IEC 61400-1. This fact has been a primary consideration in the development of the Canadian deviations to this standard.



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

CAN/CSA-C61400-2:08, 1st edition (bilingual)

Wind turbines — Part 2: Design requirements for small wind turbines

(Adopted IEC 61400-2:2006, second edition, with Canadian deviations) \$270

This standard deals with safety philosophy, quality assurance, and engineering integrity and specifies requirements for the safety of Small Wind Turbines (SWTs), including design, installation, maintenance and operation under specified external conditions. Its purpose is to provide the appropriate level of protection against damage from these systems during their planned lifetime.

This standard is concerned with all subsystems of SWT such as protection mechanisms, internal electrical systems, mechanical systems, support structures, foundations, and the electrical interconnection with the load.

While this part of CAN/CSA-C61400 is similar to CAN/CSA-C61400-1, it does simplify and make significant changes in order to apply to small turbines.

This standard applies to wind turbines with a rotor swept area smaller than 200 m², generating at a voltage below 1 000 V a.c. or 1 500 V d.c.

N287.2-08, 5th edition

Material Requirements for Concrete Containment Structures for CANDU Nuclear

Power Plants \$200

This standard specifies requirements for the materials used in concrete containment structures of containment systems designated as class containment components, parts, and appurtenances in CANDU nuclear power plants.

N291-08, 5th edition

Requirements for Safety-Related Structures for CANDU Nuclear Power Plants \$200

This standard provides material, design, construction, fabrication, inspection, and examination requirements for safety-related structures for CANDU nuclear power plants. Safety-related structures covered in this standard are the following:

- structures that support, house, or protect nuclear safety systems
- components of structures that are required for the safe operation and/or safe shutdown of the reactor
- facilities for the storage of irradiated fuel and other radioactive waste material.

This standard does not apply to concrete containment structures covered in the CSA N287 series or the pressure-retaining systems and components covered in CSA N285.0.

N292.3-08, 1st edition

Management of Low- and Intermediate-Level Radioactive Waste \$200

This standard specifies requirements for the management of low- and intermediate-level radioactive waste in solid, liquid, or gaseous states.

This standard applies to organizations and facilities that generate, possess, manage, and transport low- and intermediate-level radioactive waste, including power reactors, research institutes, laboratories, and industrial facilities.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

CAN/CSA-C61400-1:08, 1^{re} édition (bilingue)

Eoliennes — Partie 1 : Exigences de conception (norme IEC 61400-1:2007, troisième édition, adoptée avec exigences propres au Canada) 270 \$

Cette norme spécifie les exigences de conception essentielles pour assurer l'intégrité technique des éoliennes. Elle a pour objet de fournir un niveau de protection approprié contre les dommages causés par tous les risques pendant la durée de vie prévue.

La présente norme concerne tous les sous-systèmes des éoliennes tels que les mécanismes de commande et de protection, les systèmes électriques internes, les systèmes mécaniques et les structures de soutien.

La présente norme s'applique aux éoliennes de toutes dimensions. Pour les petites éoliennes, la CAN/CSA-C61400-2:2008 peut s'appliquer.

La CAN/CSA-C61400-1 prescrit des exigences minimales de conception visant l'installation d'éoliennes au Canada ; elle n'est pas conçue pour être utilisée comme spécification de conception ou manuel d'instructions.

La majorité des éoliennes canadiennes sont ou seront installées dans des milieux présentant des conditions de gel plus fortes et des températures plus froides que celles visées dans la CEI 61400-1. Ce facteur est à la base de l'élaboration des exigences propres au Canada de cette norme.

CAN/CSA-C61400-2:08, 1^{re} édition (bilingue)

Eoliennes — Partie 2 : Exigences en matière de conception des petits aérogénérateurs (norme IEC 61400-2:2007, deuxième édition, adoptée avec exigences propres au Canada) 270 \$

Cette norme traite de la philosophie relative à la sécurité, l'assurance de la qualité et l'intégrité de l'ingénierie, et elle spécifie les exigences relatives à la sécurité des petits aérogénérateurs (PAG), comprenant leur conception, leur installation et leur maintenance, ainsi que leur exploitation dans des conditions externes spécifiques. Le but de cette norme est de fixer un niveau approprié de protection contre les risques et dommages que ces systèmes pourraient causer pendant leur durée de vie.

Cette norme se préoccupe de tous les sous-systèmes des PAG tels que les mécanismes de contrôle et de protection, les systèmes électriques internes, les systèmes mécaniques, les structures de support, les fondations et l'interconnexion électrique avec la charge.

Bien que la présente partie de la CAN/CSA-C61400 soit similaire à la CAN/CSA-C61400-1, elle simplifie et apporte des changements significatifs afin d'être applicable aux petites turbines.

Cette norme s'applique aux éoliennes ayant une surface balayée inférieure à 200 m² et fonctionnant à une tension en dessous de 1 000 V c.a. ou 1 500 V c.c.



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

Z276-07, 8^e édition

Gaz naturel liquéfié (GNL) : production, stockage et manutention 250 \$

Cette norme établit les exigences essentielles et les spécifications minimales relatives à la conception à la mise en place et à l'exploitation en toute sécurité des installations de gaz naturel liquéfié (GNL). Il ne s'agit pas d'un manuel de conception, et on doit exercer un jugement technique compétent pour bien l'utiliser.

Cette norme s'applique à :

- a) la conception ;
- b) la localisation ;
- c) la construction ;
- d) l'exploitation ; et
- e) la maintenance

des installations qui servent à la liquéfaction du gaz naturel, au stockage, à la vaporisation, au transfert, à la manutention et au transport par camions-citernes du GNL. Elle contient également des exigences visant la formation du personnel.

Amendments

CAN/CSA-B214-07

Installation Code for Hydronic Heating Systems

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

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

CAN/CSA-C860-07

Performance of Internally Lighted Exit Signs

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

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

Modifications publiées en français

B139-04

Code d'installation des appareils de combustion au mazout

Des modifications ont été apportées aux articles 4.2.2.6, 5.2.3 et 6.4.6.

CAN/CSA-B214-07

Code d'installation des systèmes de chauffage hydronique

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.

Cette norme est offerte en format PDF seulement.

Modifications publiées en français (suite)

CAN/CSA-C860-07

Performances des enseignes de sortie à éclairage interne

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.

Cette norme est offerte en format PDF seulement.

N286-05

Exigences relatives au système de gestion des centrales nucléaires

Des modifications ont été apportées à la table des matières et à l'article 6.4. L'annexe G a été ajouté.

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
March 25, 2008	Publication of CSA standard C749-07, <i>Performance of Dehumidifiers</i> . CSA standard C749 was revised to harmonize with the changes in energy efficiency performance of household dehumidifiers specified in the US DOE regulations, effective October 1, 2007.	Verification Service Announcement No. 34



Completed Projects / Projets terminés

Reaffirmed Standards

CAN/CSA-ISO/TR 14062:03 (R2008)

Environmental management — Integrating environmental aspects into product design and development (Adopted ISO/TR 14062:2002, first edition, without modification)



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

ANSI NGV 2-2007, 2nd edition

Compressed Natural Gas Vehicle Fuel Containers..... \$455

This standard contains requirements for the material, design, manufacture and testing of serially produced, refillable Type NGV 2 containers intended only for the storage of compressed natural gas for vehicle operation. These containers are to be permanently attached to the vehicle. Type NGV 2 containers shall not be over 1000 liters (35.4 ft³) water capacity.

ANSI Z83.20-2008/CSA 2.34-2008, 2nd edition

Gas-Fired Low-Intensity Infrared Heaters \$455

This standard details test and examination criteria for gas-fired low-intensity infrared and infrared radiant tube heaters, with inputs up to 400,000 Btu/hr per burner, for use with natural, manufactured, mixed and liquefied petroleum (propane) gases, and that may be convertible for use with natural and LP-gases.

This standard applies to heaters for installation in and heating of outdoor spaces or nonresidential indoor spaces where flammable gases or vapors are not generally present.

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

ANSI Z83.25-2008/CSA 3.19-2008, 1st edition

Direct Gas-Fired Process Air Heaters \$430

This standard applies to newly produced, direct gas-fired process air heaters of the recirculating or non-recirculating type whose primary purpose is to provide process heating to non-occupied spaces within commercial and industrial buildings, and that may also include operation as a non-recirculating ventilation air heater if the heater is operated during periods when the space is occupied.

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



Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

P.2-07, 2^e édition

Méthode d'essai pour mesurer le taux d'utilisation annuel de combustible des chaudières et générateurs d'air chaud à gaz résidentiels 150 \$

Cette norme spécifie une méthode de mesure du taux d'utilisation annuel de combustible (AFUE) pour les générateurs d'air chaud à air pulsé et les chaudières à vapeur ou à eau chaude à basse pression résidentiels alimentés au gaz. La norme précise notamment :

- a) une méthode d'essai du rendement cyclique et du rendement sous charge partielle ;
- b) les méthodes d'interpolation et d'extrapolation des données d'essai ; et
- c) les méthodes de calcul pour déterminer le rendement saisonnier.

Cette norme vise les générateurs d'air chaud ayant un débit calorifique inférieur à 65,9 kW (225 000 BTU/h) et les chaudières ayant un débit calorifique inférieur à 88 kW (300 000 BTU/h) pour usage résidentiel. Elle vise également les générateurs d'air chaud autonomes ayant un débit calorifique inférieur à 65,9 kW (225,000 BTU/h) qui comprennent, sous une même enveloppe, un climatiseur dont la capacité de refroidissement ne dépasse pas 19 kW (65 000 BTU/h).

Amendments

ANSI NGV 2-2007

Erratum to ANSI NGV 2-2007, "Compressed Natural Gas Vehicle Fuel Containers"

This document provides revisions to ANSI NGV 2-2007.

PLUS 1200

Guide to Energy Efficiency Compliance, Verification, and Ratings for Water Heaters

Revision of Clause 6.3.

ANSI Z21.10.1-2004/CSA 4.1-2004

Erratum to ANSI Z21.10.1-2004/CSA 4.1-2004, "Gas Water Heaters, Volume I, Storage Water Heaters with Input Ratings of 75,000 Btu per Hour or Less"

This document provides revisions to ANSI Z21.10.1-2004/CSA 4.1-2004.

ANSI Z21.11.2A-2008

Gas-Fired Room Heaters \$75

This document provides revisions to ANSI Z21.11.2-2007.

ANSI Z83.11a-2007/CSA 1.8a-2007

Addenda A to "Gas Food Service Equipment" \$65

This document provides revisions to ANSI Z83.11-2006/CSA 1.8-2006.



Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
April 4, 2008	Publication of ANSI Z21.78a-2007/ CSA 6.20a-2007, <i>Addenda A to “Combination Gas Controls for Gas Appliances”</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.78-2005/CSA 6.20-2005.	Gas Products No. 148
April 10, 2008	Publication of CSA P.2-07, <i>Testing Method for Measuring the Annual Fuel Utilization Efficiency of Residential Gas-Fired Furnaces and Boilers</i> .	Gas Products No. 149

Certification Notices

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

Effective Date	Subject	Title
► July 1, 2008	Publication of ANSI LC4/CSA 6.32-2007, <i>Press-Connect Copper and Copper Alloy Fittings for Use in Fuel Gas Distribution Systems</i> . (Supersedes Gas Products No. 123.)	Gas Products No. 123A
August 1, 2008	Publication of ANSI Z21.89-2007/CSA 1.18-2007, <i>Outdoor Cooking Specialty Gas Appliances</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.89-2004/ CSA 1.18-2004, ANSI Z21.89a-2006/ CSA 1.18a-2006, and ANSI Z21.89b-2006/ CSA 1.18b-2006.	Gas Products No. 129
September 1, 2008	Publication of ANSI Z21.50-2007/CSA 2.22-2007, <i>Vented Gas Fireplaces</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.50-2003/CSA 2.22-2003, ANSI Z21.50a-2003/CSA 2.22a-2003, and ANSI Z21.50b-2005/CSA 2.22b-2005.	Gas Products No. 127
September 1, 2008	Publication of ANSI Z21.11.2-2007, <i>Gas-Fired Room Heaters — Volume II — Unvented Room Heaters</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.11.2-2001, ANSI Z21.11.2a-2003, and ANSI Z21.11.2b-2004.	Gas Products No. 121

**Certification Notices (cont'd)**

Effective Date	Subject	Title
January 1, 2009	Publication of ANSI Z21.58-2007/CSA 1.6-2007, <i>Outdoor Cooking Gas Appliances</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.58-2005/CSA 1.6-2005, ANSI Z21.58a-2006/CSA 1.6a-2006, and ANSI Z21.58b-2006/CSA 1.6b-2006.	Gas Products No. 126
▶ February 1, 2009	Publication of ANSI Z83.11a-2007/CSA 1.8a-2007, <i>Addenda A to "Gas Food Service Equipment"</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z83.11-2006/CSA 1.8-2006.	Gas Products No. 151
▶ March 1, 2009	Publication of ANSI Z83.7a-2007/CSA 2.14a-2007, <i>Addenda A to "Gas-Fired Construction Heaters"</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z83.7-2000/CSA 2.14-2000.	Gas Products No. 150
▶ April 1, 2009	Publication of ANSI Z83.20-2008/CSA 2.34-2008, <i>Gas-Fired Low-Intensity Infrared Heaters</i> . The revisions in this addenda supersede any corresponding provisions in ANSI Z83.20-2001/CSA 2.34-2001, ANSI Z83.20a-2003/CSA 2.34a-2003, and ANSI Z83.20b-2004/CSA 2.34b-2004.	Gas Products No. 153
▶ August 3, 2009	Publication of ANSI NGV 2-2007, <i>Compressed Natural Gas Vehicle Fuel Containers</i> .	Gas Products No. 147



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

CAN/CSA-C22.2 No. 60601-1:08, 2nd edition (bilingual)

Medical electrical equipment — Part 1: General requirements for basic safety and essential performance (Adopted IEC 60601-1:2005, third edition, with Canadian deviations) \$340

This standard applies to the basic safety and essential performance of medical electrical equipment and medical electrical systems.

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

Z96.1-08, 1st edition

Guideline on Selection, Use, and Care of High-Visibility Safety Apparel \$60

This guideline specifies best practices for the proper selection, use, and care of high-visibility safety apparel.

This guideline outlines the essential components necessary for the implementation of an effective high-visibility safety apparel program in the workplace.

Z314.8-08, 3rd edition

Decontamination of Reusable Medical Devices \$85

This standard describes essential elements and methods in the safe handling, transportation, and biological decontamination of contaminated reusable medical devices.

This standard includes requirements for the following:

- policies, procedures, and quality systems
- evaluation and purchase of reusable medical devices
- qualification, education, and training of personnel
- protective attire
- decontamination areas and equipment
- immediate handling of contaminated medical devices at the point of use
- transport of contaminated medical devices
- decontamination policies and procedures (in general, as related to reusable diagnostic and therapeutic medical devices; and specifically, as related to reusable respiratory/anaesthesia devices, flexible fiber-optic endoscopes, and electronic patient-applied devices).



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

CAN/CSA-Z5356-1-08, 1st edition

Anaesthetic and respiratory equipment — Conical connectors — Part 1: Cones and sockets
(Adopted ISO 5356-1:2004, third edition, with Canadian deviations)..... \$85

This standard specifies dimensional and gauging requirements for cones and sockets intended for connecting anaesthetic and respiratory equipment; e.g., in breathing systems, anaesthetic-gas scavenging systems, and vaporizers.

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

CAN/CSA-Z5356-2-08, 1st edition

Anaesthetic and respiratory equipment — Conical connectors — Part 2: Screw-threaded weight-bearing connectors (Adopted ISO 5356-2:2006, second edition, with Canadian deviations)..... \$40

This standard specifies requirements for screw-threaded weight-bearing conical connectors intended for use with inhalation anaesthesia apparatus and ventilators. Such connectors are intended for mounting heavy accessories.

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

CAN/CSA-Z8637-08, 1st edition

Cardiovascular implants and artificial organs — Haemodialysers, haemodiafilters, haemofilters and haemoconcentrators (Adopted ISO 8637:2004, second edition, with Canadian deviations)..... \$90

This standard specifies requirements for haemodialysers, haemodiafilters, haemofilters, and haemoconcentrators.

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

CAN/CSA-Z8638-08, 1st edition

Cardiovascular implants and artificial organs — Extracorporeal blood circuit for haemodialysers, haemodiafilters and haemofilters (Adopted ISO 8638:2004, second edition, with Canadian deviations) \$70

This standard specifies requirements for single-use extracorporeal blood circuits and transducer protectors that are intended for use in haemodialysers, haemodiafiltration, and haemofiltration.

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

CAN/CSA-Z10651-4-08, 1st edition

Lung ventilators — Part 4: Particular requirements for operator-powered resuscitators
(Adopted ISO 10651-4:2002, first edition, with Canadian deviations) \$100

This standard specifies requirements for operator-powered resuscitators intended for use with all age groups and that are portable and intended to provide lung ventilation to individuals whose breathing is inadequate. Operator-powered resuscitators for infants and children are designated according to body mass range and approximate age equivalent.

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

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

CAN/CSA-Z10651-5-08, 1st edition

Lung ventilators for medical use — Particular requirements for basic safety and essential performance — Part 5: Gas-powered emergency resuscitators
 (Adopted ISO 10651-5:2006, first edition, with Canadian deviations) \$140

This standard specifies the basic safety and essential performance requirements for gas-powered emergency resuscitators intended for use with humans by first responders. This equipment is intended for emergency field use and is intended to be continuously operator-attended in normal use.

This standard also specifies the requirements for resuscitator sets.

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

CAN/CSA-Z18777-08, 1st edition

Transportable liquid oxygen systems for medical use — Particular requirements
 (Adopted ISO 18777:2005, first edition, with Canadian deviations) \$110

This standard specifies requirements for the safety and essential performance of transportable liquid oxygen systems that are used as a supply source for oxygen therapy. These devices usually consist of a portable unit to be carried by or with the patient while in use and the vessel that is used to refill the portable unit. These devices are mostly used in home care applications and in healthcare facilities/institutions. These devices are often used without profession supervision.

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

CAN/CSA-Z18778-08, 1st edition

Respiratory equipment — Infant monitors — Particular requirements
 (Adopted ISO 18778:2005, first edition, with Canadian deviations) \$110

This standard specifies requirements for the safety and essential performance of monitors used to detect apparent life-threatening events in sleeping or resting children under three years of age. This standard applies to devices used in home care applications. These monitors are generally used without continual profession supervision.

This standard also applies to the accessories (e.g. probes and cables) necessary to apply the monitor to the patient.

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



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

CAN/CSA-Z18779-08, 1st edition

Medical devices for conserving oxygen and oxygen mixtures — Particular requirements
(Adopted ISO 18779:2005, first edition, with Canadian deviations)..... \$110

This standard specifies requirements for the safety and essential performance of portable devices that supply the flow of oxygen or oxygen mixtures during therapy (e.g., long term oxygen therapy, analgesia). These devices are intended to conserve oxygen or oxygen mixtures by delivering these gases intermittently on the patient's demand when used in home care applications. These devices are generally used without continual professional supervision.

These devices are also used in healthcare facilities/institutions.

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

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

CAN/CSA-C22.2 n° 60601-1:08, 2^e édition (bilingue)

Appareils électromédicaux — Partie 1: Exigences générales pour la sécurité de base et les performances essentielles (norme IEC 60601-1:2005, troisième édition, adoptée avec exigences propres au Canada) 340 \$

Cette norme s'applique à la sécurité de base et aux performances essentielles des appareils électromédicaux et des systèmes électromédicaux.

Cette norme est offerte en format PDF seulement.

Z94.3-07, 7^e édition

Protecteurs oculaires et faciaux..... 70 \$

Cette norme traite des protecteurs oculaires et faciaux utilisés au travail ainsi que dans les maisons d'enseignement et les écoles de métiers durant les activités pouvant entraîner des accidents aux yeux et au visage. Les accidents types sont imputables aux particules ou aux objets projetés, aux éclaboussures de liquides ou de métaux fondus, aux rayonnements ultraviolets, visibles et infrarouges. La norme ne tient pas compte des accidents imputables aux rayons X, aux rayons gamma, au rayonnement particulaire de matière à forte énergie, aux matières radioactives, aux lasers ni aux masers.

Cette norme établit les exigences minimales de comportement en ce qui a trait aux essais auxquels sont soumis les protecteurs oculaires et faciaux, mais ne traite pas de facteurs de conception comme le confort, la durée de vie utile ou l'esthétique de ces protecteurs.

Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

CAN/CSA-Z5356-1-08, 1^{re} édition

Matériel d'anesthésie et de réanimation respiratoire — Raccords coniques — Partie : 1 Raccords mâles et femelles (norme ISO 5356-1:2004, troisième édition, adoptée avec exigences propres au Canada) 85 \$

Cette norme spécifie les exigences dimensionnelles et les calibres des raccords mâles et femelles destinés à être raccordés au matériel respiratoire et d'anesthésie, tels que les systèmes respiratoires, systèmes d'évacuation de gaz d'anesthésie en excès et évaporateurs.

Cette norme est offerte en format PDF seulement.

CAN/CSA-Z5356-2-08, 1^{re} édition

Matériel d'anesthésie et de réanimation respiratoire — Raccords coniques — Partie : 2 Raccords à vis supportant un certain poids (norme ISO 5356-2:2006, deuxième édition, adoptée avec exigences propres au Canada) 40 \$

Cette norme spécifie les exigences applicables aux raccords coniques à vis pouvant supporter un certain poids utilisés pour les appareils d'anesthésie par inhalation et les ventilateurs; ces raccords sont destinés aux raccordements d'accessoires relativement lourds.

Cette norme est offerte en format PDF seulement.

CAN/CSA-Z10651-4-08, 1^{re} édition

Ventilateurs pulmonaires — Partie 4 : Exigences relatives aux ressuscitateurs à puissance motrice manuelle (norme ISO 10651-4:2002, première édition, adoptée avec exigences propres au Canada) 100 \$

Cette norme spécifie les exigences relatives aux ressuscitateurs portatifs à puissance motrice manuelle destinés à être utilisé pour tous les groupes d'âges et conçus pour assurer la ventilation des poumons de sujets dont la respiration est insuffisante. Les ressuscitateurs à puissance motrice manuelle pour enfants en bas âge et enfants doivent être conçus en fonction du poids du sujet et de l'âge approximatif correspondant.

Cette norme est offerte en format PDF seulement.

CAN/CSA-Z18777-08, 1^{re} édition

Systèmes transportables d'oxygène liquide à usage médical — Exigences particulières (norme ISO 18777:2005, première édition, adoptée avec exigences propres au Canada) 110 \$

Cette norme spécifie les prescriptions de sécurité et de performance essentielles applicables aux systèmes transportables d'oxygène liquide utilisés comme source d'alimentation pour l'oxygénothérapie. Ces appareils se composent généralement d'une unité portative transportée par le patient ou avec celui-ci en cours d'utilisation et d'un récipient utilisé pour remplir l'unité portative. Ces appareils sont pour la plupart utilisées dans les applications de soins à domicile et dans les établissements de santé. Ces appareils sont souvent utilisés sans surveillance professionnelle.

Cette norme est offerte en format PDF seulement.



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

CAN/CSA-Z18778-08, 1^{re} édition

Matériel respiratoire — Moniteurs pour enfants — Exigences particulières

(norme ISO 18778:2005, première édition, adoptée avec exigences

propres au Canada) 110 \$

Cette norme spécifie les prescriptions essentielles de sécurité et de performance applicables aux moniteurs utilisés pour détecter des situations constituant un risque vital pour les enfants âgés de moins de trois ans. Cette norme s'applique aux dispositifs utilisés dans des applications de soins à domicile, généralement sans surveillance continue d'un professionnel.

Cette norme s'applique également aux accessoires tels que les sondes et les câbles nécessaires pour placer le moniteur sur le patient.

Cette norme est offerte en format PDF seulement.

CAN/CSA-Z18779-08, 1^{re} édition

Économiseurs médicaux d'oxygène et de mélanges oxygénés — Exigences particulières

(norme ISO 18779:2005, première édition, adoptée avec exigences

propres au Canada) 110 \$

Cette norme spécifie les prescriptions essentielles de sécurité et de performance applicables aux appareils portatifs qui assurent le débit de gaz respirables durant le traitement (par exemple traitement par oxygène à long terme, analgésie). Ces dispositifs sont destinés à économiser les gaz respirables en délivrant des gaz de manière intermittente à la demande du patient lorsqu'ils sont utilisés dans des applications de soins à domicile. Ces appareils sont généralement utilisés sans surveillance continue d'un professionnel.

Ces appareils sont également utilisés dans des établissements de santé.

Cette norme est offerte en format PDF seulement.

Amendments

CAN/CSA-B354.5-07

Mast-Climbing Work Platforms

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

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

CAN/CSA-Z264.1-02 (R2008)

Spacers and Holding Chambers for Use with Metered-Dose Inhalers

Revision of the contents, Clauses 2, 3, and B1.5.1, Tables B3-B6 and B9, and Figures B1 and B2. Addition of Annex D.

Amendments (cont'd)

CAN/CSA-Z614-07

Children's Playspaces and Equipment

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

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

Modifications publiées en français

CAN/CSA-B354.5-07

Plates-formes de travail se déplaçant le long de mâts

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.

Cette norme est offerte en format PDF seulement.

Z94.3-07

Protecteurs oculaires et faciaux

Des modifications ont été apportées à la table des matières et à l'article 6.5.1.

CAN/CSA-Z264.1-02 (C2008)

Tubes espaceurs et chambres d'inhalation pour les aérosols-doseurs

Des modifications ont été apportées à la table des matières, aux chapitres 2, 3, et à l'article B1.5.1, ainsi qu'aux tableaux B3 à B6 et B9, et aux figures B1 et B2. L'annexe D a été ajouté.

CAN/CSA-Z614-07

Aires et équipements de jeu

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.

Cette norme est offerte en format PDF seulement.

Reaffirmed Standards

CAN/CSA-Z314.10-03 (R2008)

Selection, Use, Maintenance, and Laundering of Reusable Textile Wrappers, Surgical Gowns, and Drapes for Health Care Facilities

CAN/CSA-Z317.2-01 (R2008)

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

CAN/CSA-Z434-03 (R2008)

Industrial Robots And Robot Systems — General Safety Requirements



Withdrawn Standards

CAN/CSA-Z321-96 (R2006)

Signs And Symbols for the Workplace



Completed Projects / Projets terminés

Reaffirmed Standards

CAN/CSA-ISO 10006:03 (R2008)

Quality management systems — Guidelines for quality management in projects
(Adopted ISO 10006:2003, second edition, without modification)

CAN/CSA-ISO 10007:03 (R2008)

Quality management systems — Guidelines for configuration management
(Adopted ISO 10007:2003, second edition, without modification)

CAN/CSA-ISO 10012:03 (R2008)

Measurement management systems — Requirements for measurement processes and measuring equipment (Adopted ISO 10012:2003, first edition, without modification)

CAN/CSA-ISO/TR 10017:03 (R2008)

Guidance on statistical techniques for ISO 9001:2000 (Adopted ISO/TR 10017:2003, second edition, without modification)



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