



**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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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 It contains important information about new and existing standards, e.g., recently published standards, and withdrawn standards.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

[O302.1-09, 4th edition / O302.2-09, 3rd edition](#)

Scaling Roundwood / Measurement of Wood Chips, Tree Residues, and By-Products



Electrical/Electronics

[C22.1 No. 1-09, 21st edition](#)

Canadian Electrical Code, Part I, Safety Standard for Electrical Installations

[C22.1HB-09, 6th edition](#)

CE Code Handbook, An Explanation of Rules of the Canadian Electrical Code, Part 1

[C22.2 No. 52-09, 6th edition](#)

Underground Secondary and Service-Entrance Cables



Energy

[F379 Series-09, 1st edition](#)

Packaged Solar Domestic Hot Water Systems (Liquid-to-Liquid Heat Transfer)



Gas Equipment

[ANSI Z21.10.1-2009/CSA 4.1-2009, 4th edition](#)

Gas Water Heaters — Volume I, Storage Water Heaters with Input Ratings of 75,000 Btu per Hour or Less



Life Sciences

[B51-09, 17th edition](#)

Boiler, Pressure Vessel, and Pressure Piping Code

[B167-08, 3rd edition](#)

Overhead Travelling Cranes — Design, Inspection, Testing, Maintenance, and Safe Operation



Sciences de la Vie

[B340-08, 5^e édition](#)

Sélection et utilisation de bouteilles à gaz cylindriques et sphériques, tubes et autres contenants pour le transport des marchandises dangereuses, classe 2



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



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

O302.1-09, 4th edition / O302.2-09, 3rd edition

Scaling Roundwood / Measurement of Wood Chips, Tree Residues, and By-Products

Paper.....	TBA
PDF	\$110

- **O302.1-09, *Scaling Roundwood*.** This standard specifies minimum requirements for scaling roundwood in SI (metric) units and covers processes for quality and quantification assurance. This standard is intended for individuals or agencies charged with scaling and check scaling of primary forest products in Canada.
- **O302.2-09, *Measurement of Wood Chips, Tree Residues, and By-Products*.** This standard specifies minimum requirements for measuring, in SI (metric) units, wood chips, tree residues, and by-products in vehicles, containers, vessels, and piles. This standard is intended for purchasers, producers, sellers, transportation agencies, and others concerned with the manufacture, transportation, storage, and use of wood chips, tree residues, and by-products.

Amendments

CAN/CSA-W117.2-06

Safety in Welding, Cutting, and Allied Processes

Revision of the Table of Contents, Clauses 6.2.1, 6.3.2.1.1, 6.3.2.1.2, and L.1, and Tables 4 and L.1. Deletion of Figure 1.

Modifications publiées en français

CAN/CSA-W117.2-06

Règles de sécurité en soudage, coupage et procédés connexes

Des modifications ont été apportées à la table des matières, aux articles 6.2.1, 6.3.2.1.1, 6.3.2.1.2 et L.1 et aux tableaux 4 et L.1. La figure 1 a été abrogée.

Z240 VC Série-08

Véhicules de camping

Dans la Z240.4-08 : Des modifications ont été apportées aux articles 7.2.1, 8.2.1.1, 9.5, 9.7 et 9.9. Les articles 1.4, 7.6, 8.1.1.4, 8.1.1.5, 8.1.6 et 8.2.1.6 ont été ajoutés.



Reaffirmed Standards

CAN/CSA-A165 Series-04 (R2009)

CSA Standards on Concrete Masonry Units

CAN/CSA-A179-04 (R2009)

Mortar and Grout for Unit Masonry

CAN/CSA-A371-04 (R2009)

Masonry Construction for Buildings

CAN/CSA-A660-04 (R2009)

Certification of Manufacturers of Steel Building Systems

S347-99 (R2009)

Method of Test for Evaluation of Truss Plates Used in Lumber Joints

Certification and Testing (CSA International)

Certification Notices

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

Effective Date	Subject	Title
October 1, 2009	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

C22.1 No. 1-09, 21st edition

Canadian Electrical Code, Part I, Safety Standard for Electrical Installations

Paper.....	\$150
PDF	\$150

This Code covers all electrical work and electrical equipment operating or intended to operate at all voltages in electrical installations for buildings, structures, and premises, including factory-built relocatable and non-relocatable structures, and self-propelled marine vessels stationary for periods exceeding five months and connected to a shore supply of electricity continuously or from time to time, with the following exceptions:

- installations or equipment employed by an electric, communication, or community antenna distribution system utility in the exercise of its function as a utility, as recognized by the regulatory authority having jurisdiction, and located outdoors or in buildings or sections of buildings used for that purpose
- equipment and facilities that are used in the operation of an electric railway and are supplied exclusively from circuits that supply the motive power
- installations or equipment used for railway signalling and railway communication purposes, and located outdoors or in buildings or sections of buildings used exclusively for such installations
- aircraft
- electrical systems in ships that are regulated under Transport Canada.

For mines and quarry applications, see also CAN/CSA-M421.

C22.1HB-09, 6th edition

CE Code Handbook, An Explanation of Rules of the Canadian Electrical Code, Part 1

Paper.....	\$100
PDF	\$100

This Handbook provides background information on the reasons behind the requirements in the Canadian Electrical Code, Part I, and gives an explanation of each Rule in plain, easy-to-understand language. The Handbook is intended to provide a clearer understanding of the safety requirements of the Code.

The content of this Handbook is not meant to form a code of mandatory requirements. The mandatory language ("shall") that is used in the CE Code, Part I, has not been used here. Care has been taken to ensure that the intent of the Code Rules is clear to the users of the Handbook. However, users of the Handbook must not under any circumstances rely on it to determine the current requirements of the Code. As always, reference must be made to the Code itself and any local amendments. CSA does not assume responsibility for any errors or omissions resulting from the information contained in this Handbook.



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

C22.2 No. 52-09, 6th edition

Underground Secondary and Service-Entrance Cables

PDF only \$75

This standard specifies requirements for 600-volt-class copper and aluminum conductor secondary and service-entrance cables intended for underground installation by direct burial or in duct systems. This standard also applies to multiple-conductor cable assemblies.

Amendments

C22.2 No. 46-M1988 (R2006)

Electric Air-Heaters

Revision of Clause 3.2.1 and Table 5. Addition of Clauses 6.1.1.7, 6.4.16, and 6.4.17, and Figures 3 and 4.

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

C22.2 No. 180-M1983 (R2008)

Series Isolating Transformers for Airport Lighting

Revision of Table 1.

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

Modifications publiées en français

C22.2 n° 46-M1988 (C2006)

Radiateurs électriques

Des modifications ont été apportées à l'article 3.2.1 et au tableaux 5. Les articles 6.1.1.7, 6.4.16 et 6.4.17 et les figures 3 et 4 ont été abrogées.

Cette norme est offerte en format PDF seulement.

C22.2 n° 155-M1986 (C2004)

Chauffe-conduit électriques

Des modifications ont été apportées aux articles 4.1.8.1 et 4.1.8.4. Les articles 4.1.8.7 et 5.13 ont été abrogés.

Cette norme est offerte en format PDF seulement.

Reaffirmed Standards

CAN/CSA-C22.2 No. 18.1-04 (R2009)

Metallic Outlet Boxes (tri-national standard with NMX-J-023/1-ANCE, first edition, and UL 514A, tenth edition)

CAN/CSA-C22.2 No. 18.3-04 (R2009)

Conduit, Tubing, and Cable Fittings (tri-national standard with NMX-J-017-ANCE, first edition, and UL 514B, fifth edition)

CAN/CSA-C22.2 No. 18.4-04 (R2009)

Hardware for the Support of Conduit, Tubing, and Cable (bi-national standard with UL 2239, first edition)

C22.2 No. 31-04 (R2009)

Switchgear Assemblies

C22.2 No. 124-04 (R2009)

Mineral-Insulated Cable

C22.2 No. 149-1972 (R2009)

Electrically Operated Toys

C22.2 No. 178.2-04 (R2009)

Requirements for Manually Operated Generator Transfer Panels

C22.2 No. 221-M1986 (R2009)

Electrically Heated Hobby and Educational Type Kilns

CAN/CSA-C22.2 No. 227.2.1-04 (R2009)

Liquid-Tight Flexible Nonmetallic Conduit (bi-national standard with UL 1660, fourth edition)

C22.2 No. 235-04 (R2009)

Supplementary Protectors

CAN/CSA-C22.2 No. 262-04 (R2009)

Optical Fiber Cable and Communication Cable Raceway Systems

CAN/CSA-C22.2 No. 60745-2-12-05 (R2009)

Hand-held motor-operated electric tools — Safety — Part 2-12: Particular requirements for concrete vibrators (bi-national standard with UL 60745-2-12, second edition. Adopted IEC 60745-2-12:2003, second edition, without modification)

CAN/CSA-C22.2 No. 60745-2-18-05 (R2009)

Hand-held motor-operated electric tools — Safety — Part 2-18: Particular requirements for strapping tools (bi-national standard with UL 60745-2-18, first edition. Adopted IEC 60745-2-18:2003, first edition, without modification)



Reaffirmed Standards (cont'd)

CAN/CSA-C22.2 No. 60745-2-20-05 (R2009)

Hand-held motor-operated electric tools — Safety — Part 2-20: Particular requirements for band saws (bi-national standard with UL 60745-2-20, first edition. Adopted IEC 60745-2-20:2003, first edition, without modification)

CAN/CSA-C22.2 No. 60745-2-21-05 (R2009)

Hand-held motor-operated electric tools — Safety — Part 2-21: Particular requirements for drain cleaners (bi-national standard with UL 60745-2-21, first edition. Adopted IEC 60745-2-21:2002, first edition, without modification)

CAN/CSA-C22.2 No. 61010-1-04 (R2009)

Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements (tri-national standard with UL 61010-1, second edition, and ISA-82.02.01, second edition. Adopted IEC 61010-1:2001, second edition, with Canadian deviations)

CAN/CSA-C22.2 No. 61010-2-010:04 (R2009)

Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 2-010: Particular requirements for laboratory equipment for heating of materials (Adopted IEC 61010-2-010:2003, second edition, without modification)

CAN/CSA-C22.2 No. 61010-2-032:04 (R2009)

Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 2-032: Particular requirements for hand-held and hand-manipulated current sensors for electrical test and measurement (Adopted CEI/IEC 61010-2-032:2002, second edition, without modification)

CAN/CSA-C22.2 No. 61010-2-051:04 (R2009)

Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 2-051: Particular requirements for laboratory equipment for mixing and stirring (Adopted CEI/IEC 61010-2-051:2005, second edition, without modification)

CAN/CSA-C22.2 No. 61010-2-061:04 (R2009)

Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 2-061: Particular requirements for laboratory atomic spectrometers with thermal atomization and ionization (Adopted CEI/IEC 61010-2-061:2005, second edition, without modification)

CAN/CSA-C22.2 No. 61010-2-081:04 (R2009)

Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes (CEI/IEC 61010-2-081:2001, first edition, without modification)

CAN/CSA-C22.2 No. 61010-2-101:04 (R2009)

Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 2-101: Particular requirements for in vitro diagnostic (IVD) medical equipment (Adopted CEI/IEC 61010-2-101:2002, first edition, without modification)

Reaffirmed Standards (cont'd)**CAN/CSA-C156.1-M86 (R2009)***Ceramic and Glass Station Post Insulators***CAN/CSA-C156.3-M86 (R2009)***Test Methods for Station Post Insulators***CAN/CSA-C411.1-M89 (R2009)***Ac Suspension Insulators***Certification and Testing (CSA International)****Certification Notices****Please note:** ► Notices marked with an arrowhead are new in this issue.

Effective Date	Subject	Title
April 30, 2009	Publication of Update No. 4 to CSA standard C22.2 No. 112-97 (R2007), <i>Electric Clothes Dryers</i> (bi-national standard with UL 2158). The update contains revisions for installation instructions.	Clothes Dryer Equipment No. 4
July 1, 2009	Publication of CSA standard CAN/CSA-E60691:08, <i>Thermal-Links — Requirements and Application Guide</i> (Adopted CEI/IEC 60691:2002, third edition, including Amendment 1:2006, with Canadian deviations).	Signal Sensing and Controls No. 5
December 15, 2009	Publication of Update No. 2 to CSA standard C22.2 No. 227.2.1-04, <i>Liquid-Tight Flexible Nonmetallic Conduit</i> (bi-national standard with UL 1660).	Conduit No. 22
► December 31, 2009	Publication of Update No. 4 to CSA standard C22.2 No. 42-99, <i>General Use Receptacles, Attachment Plugs and Similar Wiring Devices</i> . Ground Fault Circuit Interrupter (GFCI) devices, combined with receptacles having tamper resistant feature, CSA Certified to the CSA Standard C22.2 No. 144.1 shall comply with the new test requirements and new marking requirements of Update No. 4 to CSA Standard C22.2 No. 42-99, by the effective date of December 31, 2009.	Ground Fault Circuit Interrupters No. 7
December 31, 2009	Publication of Update No. 4 to CSA standard C22.2 No. 42-99, <i>General Use Receptacles, Attachment Plugs and Similar Wiring Devices</i> .	Wiring Devices No. 56

**Certification Notices (cont'd)**

Effective Date	Subject	Title
December 31, 2009	Publication of Update No. 2 to CSA standard C22.2 No. 130-03, <i>Requirements for Electrical Resistance Heating Cables and Heating Device Sets</i> . (Supersedes Wiring Devices No. 37.)	Wiring Devices No. 37A
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
January 5, 2010	Publication of CSA standard C22.2 No. 45.2-08, <i>Electrical Rigid Metal Conduit — Aluminum, Red Brass, and Stainless Steel</i> (bi-national standard with UL 6A, 2nd edition).	Conduit No. 23
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
March 31, 2010	Publication of Amendments to UL 1059, <i>Terminal Blocks</i> . (Supersedes Wiring Devices No. 40.)	Wiring Devices No. 40A
April 1, 2010	Publication of CSA standard C22.2 No. 250.7-07, <i>Extra-low-voltage Landscape Lighting Systems</i> . (Supersedes Lighting Products No. 34.)	Lighting Products No. 52
May 31, 2010	Publication of CSA standard C68.10-08, <i>Shielded Power Cable for Commercial and Industrial Applications, 5-46 KV</i> .	Wire and Cable No. 139
May 31, 2010	Extension of effective date for CSA standard CAN/CSA-C22.2 No. 42.1-00, <i>Cover Plates for Flush-Mounted Wiring Devices</i> (bi-national standard with UL 514D).	Wiring Devices No. 39A
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
July 1, 2010	Publication of Update No. 2 to CSA standard C22.2 No. 62.1-03, <i>Nonmetallic Surface Raceways and Fittings</i> (bi-national standard with UL5A).	Raceways and Fittings No. 7

Certification Notices (cont'd)

Effective Date	Subject	Title
September 17, 2010 (existing certifications). Immediately for new applications.	Publication of CSA standard C22.2 No. 250.0-08, <i>Luminaires</i> (bi-national standard with UL 1598, 3rd edition). (Supersedes Lighting Products No. 35, 35A, and 47.)	Lighting Products No. 53
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, with Canadian deviations).	Programmable Controllers No. 1
May 1, 2012	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

F379 Series-09, 1st edition

Packaged Solar Domestic Hot Water Systems (Liquid-to-Liquid Heat Transfer)

PDF Only \$165

- **F379.1-09**, *Packaged Solar Domestic Hot Water Systems (Liquid-to-Liquid Transfer) for All-Season Use*. This standard applies to the performance, durability, and safety of packaged solar domestic hot water (SDHW) systems that use liquid-to-liquid heat transfer and liquid heat storage media suitable for year-round use.

This standard specifies requirements for both factory-packaged and add-on packaged systems.

This standard applies to the components and materials supplied by the manufacturer, the assembly and installation instructions, and the operation of the system after it has been assembled according to these instructions. It does not apply to site preparation or installation procedures.

- **F379.2-09**, *Packaged Solar Domestic Hot Water Systems for Seasonal Use*. This standard applies to the performance, durability, and safety of packaged seasonal-use solar domestic hot water (SSDHW) systems that are not intended to be operated in freezing conditions. In these systems, freeze protection is accomplished manually (e.g., complete drainage) with or without a device intended to offer limited freeze protection.

This standard covers systems that provide all, or a significant fraction of, the seasonal hot water requirements of small buildings, including vacation homes, by solar energy.

Reaffirmed Standards

CAN/CSA-C191-04 (R2009)

Performance of Electric Storage Tank Water Heaters for Domestic Hot Water Service

CAN/CSA-C863-04 (R2009)

Energy Efficiency of High-Intensity Discharge (HID) and Low-Pressure Sodium (LPS) Lamp Ballasts

CAN/CSA-F378-87 (R2009)

Solar Collectors

N287.1-93 (R2009)

General Requirements for Concrete Containment Structures for CANDU Nuclear Power Plants

N287.3-93 (R2009)

Design Requirements for Concrete Containment Structures for CANDU Nuclear Power Plants



Reaffirmed Standards (cont'd)

N287.5-93 (R2009)

Examination and Testing Requirements for Concrete Containment Structures for CANDU Nuclear Power Plants

N287.6-94 (R2009)

Pre-Operational Proof and Leakage Rate Testing Requirements for Concrete Containment Structures for CANDU Nuclear Power Plants

Formal Interpretations

The following interpretation regarding CSA standard N285.0-08, *General requirements for pressure-retaining systems and components in CANDU nuclear power plants*, has been approved by the Technical Committee on CANDU Nuclear Power Plant Systems & Components.

Question #1: Is it the intent of the standard that nameplates and identification required for items specifically identified in Clause 12.3.1 also apply to valves?

Answer #1: Yes.

Question #2: Do Class 1, 2, or 3 instrument valves used as part of N285.0-08 modifications need to be registered as Category C per the requirements of Clauses 6.1.1.1, 6.1.1.3, and 6.1.6?

Answer #2: Yes.

Question #3: Is it intended that Class 1, 2, or 3 instrument valves used as part of N285.0-08 modifications require nameplates per Clause 12.3.2 and a Data Report per Clause 12.4.1?

Answer #3: Yes.

Question #4: Does N285.0, Clause 6.1.6 permit the designation of Class 1, 2 and 3 instrument valves designed by burst test as Category F fittings?

Answer #4: No.

Interprétations formelles

La demande d'interprétation suivante concernant la norme CSA N285.0-08, *Exigences générales relatives aux systèmes et aux composants sous pression des centrales nucléaires CANDU*, a été approuvée par le Comité technique sur les systèmes et les composants sous pression des centrales nucléaires CANDU.

Question n° 1 : La norme exige-t-elle que les plaques signalétiques et les identifications exigées pour les articles énumérés à l'article 12.3.1 soient également exigées pour les robinets ?

Réponse n° 1 : Oui.

Question n° 2 : Les robinets d'instrumentation de classe 1, 2 ou 3 utilisés dans le contexte de la N285.0-08 doivent-ils être enregistrés comme dispositifs de catégorie C conformément aux articles 6.1.1.1, 6.1.1.3 et 6.1.6 ?

Réponse n° 2 : Oui.

Question n° 3 : Les robinets d'instrumentation de classe 1, 2 ou 3 utilisés dans le contexte de la N285.0-08 doivent-ils être dotés de plaques signalétiques, conformément à l'article 12.3.2 et accompagnés d'une déclaration de conformité, conformément à l'article 12.4.1 ?

Réponse n° 3 : Oui.

Question n° 4 : L'article 6.1.6 de la norme N285.0 permet-il que les robinets d'instrumentation de classe 1, 2 ou 3, conçus par un essai d'éclatement, soient désignés comme accessoires de catégorie F ?

Réponse n° 4 : Non.

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
February 6, 2009	New energy efficiency verification service available to CSA standard C828-06, <i>Performance requirements for thermostats used with individual room electric space heating devices.</i>	Verification Service Announcement No. 36



Environment

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



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

ANSI Z21.10.1-2009/CSA 4.1-2009, 4th edition

Gas Water Heaters — Volume I, Storage Water Heaters with Input Ratings of 75,000 Btu per Hour or Less

PDF Only \$650

This standard details test and examination criteria for automatic storage water heaters with input ratings of 75,000 Btu per hour (21 980 W) or less for use with natural, manufactured and mixed gases, liquefied petroleum gases, and LP gas-air mixtures.

Reaffirmed Standards

CSA 12.6-04 (R2009)

Vehicle Refuelling Appliances

CAN/CSA-P.3-04 (R2009)

Testing Method for Measuring Energy Consumption and Determining Efficiencies of Gas-Fired Storage Water Heaters

ANSI Z21.17-1998/CSA 2.7-M98 (R2009)

Domestic Gas Conversion Burners

ANSI Z21.41-2003/CSA 6.9-2003 (R2009)

Quick Disconnect Devices for Use with Gas Fuel Appliances

ANSI Z83.4-2003/CSA 3.7-2003 (R2009)

Non-Recirculating Direct Gas-Fired Industrial Air Heaters

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
February 6, 2009	Publication of addenda ANSI Z83.26a-2008/ CSA 2.37a-2008, <i>Gas-Fired Outdoor Infrared Patio Heaters</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z83.26-2007/CSA 2.37-2007.	Gas Products No. 182



Certification Notices

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

Effective Date	Subject	Title
April 1, 2009	Withdrawal of IAS U.S. requirements No. 7-95 for water heater enclosures for outdoor installation.	Gas Products No. 173
April 1, 2009	Withdrawal of IAS U.S. requirements No. 4-88 for marking systems and labels.	Gas Products No. 174
April 1, 2009	Withdrawal of IAS U.S. requirements No. 2-95 and TIL No. R-05 for carbon dioxide generators for plant production.	Gas Products No. 175
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 standard 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
May 1, 2009	Publication of ANSI Z12.24-2006/CSA 6.10-2006, <i>Connectors for Gas Appliances</i> . (Supersedes Gas Products No. 115.)	Gas Products No. 180
August 3, 2009	Publication of ANSI NGV 2-2007, <i>Compressed Natural Gas Vehicle Fuel Containers</i> .	Gas Products No. 147
► December 1, 2009	Publication of addenda ANSI Z21.89a-2008/CSA 1.18a-2008, <i>Outdoor Cooking Specialty Gas Appliances</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.89-2007/CSA 1.18-2007.	Gas Products No. 183
December 1, 2009	Publication of CAN/CSA-C22.2 No. 62282-2:07, <i>Fuel cell technologies — Part 2: Fuel cell modules</i> (adopted CEI/IEC 62282-2:2004, first edition, with Canadian deviations).	Gas Products No. 178
December 1, 2009	Publication of ANSI Z21.58a/CSA 1.6a-2008, <i>Outdoor Cooking Gas Appliances</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.58-2007/CSA 1.6-2007.	Gas Products No. 177
December 1, 2009	Publication of addenda ANSI Z83.18b-2008, <i>Re-circulating Direct Gas-Fired Industrial Air Heaters</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z83.18-2004 and Z83.18a-2005.	Gas Products No. 167



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

B51-09, 17th edition

Boiler, Pressure Vessel, and Pressure Piping Code

Paper.....	\$165
PDF	\$165

There are three parts to this standard.

- **Part 1** of this standard applies to all boilers, pressure vessels, pressure piping, and fittings, as provided for by the Act and identified in Part 1 of this standard. This standard does not apply to the following:
 - pressure-retaining components in hydraulic elevators
 - pressure-containment devices for gas-filled switchgear and controlgear
 - pressure vessels for the transportation of dangerous goods regulated by Transport Canada.

Requirements for compressed natural gas cylinders and refuelling station pressure piping systems and containers are covered in Parts 2 and 3 of this standard.

- **Part 2** of this standard specifies minimum requirements for serially produced lightweight refillable gas cylinders, both original equipment and conversions, having a water capacity exceeding 20 L (0.71 ft³) but not exceeding 1000 L (35.3 ft³). Part 2 of this standard applies only to cylinders for the on-board storage of high-pressure compressed natural gas and/or compressed hydrogen as fuels for automotive vehicles to which the cylinders are to be fixed. Cylinders may be of any material (steel, aluminum, or non-metallic) and constructed in accordance with any design or method of manufacture suitable for the specified service conditions.
- **Part 3** of this standard covers pressure piping systems used in compressed natural gas (CNG) and hydrogen refuelling stations as follows:
 - between the termination of the utility's piping, usually at the meter, and the inlet to the compressor assembly if the design pressure exceeds 414 kPa (60 psi)
 - from the inlet to the compressor assembly through to the dispenser nozzle, except for the mechanical parts of the compressor and any subsystems designed for 414 kPa (60 psi) or less.

The ground storage vessels covered in Part 3 of this standard are pressure vessels that are installed at CNG and hydrogen refuelling stations and intended to store CNG or hydrogen at pressure for delivery to vehicle fuel tanks.



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

B167-08, 3rd edition

Overhead Travelling Cranes — Design, Inspection, Testing, Maintenance, and Safe Operation

Paper.....	\$75
PDF	\$70

This standard specifies minimum requirements for the design, inspection, testing, maintenance (modifications and repairs), and safe operation of overhead cranes, monorails, hoists, trolleys, jib cranes, gantry and wall cranes, and other equipment having similar characteristics.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

B340-08, 5^e édition

Sélection et utilisation de bouteilles à gaz cylindriques et sphériques, tubes et autres contenants pour le transport des marchandises dangereuses, classe 2

Papier.....	110 \$
PDF	100 \$

Cette norme énonce les exigences en matière de sécurité pour la sélection et l'utilisation de bouteilles à gaz cylindriques et sphériques, tubes et autres contenants pour le transport des marchandises dangereuses, classe 2.

Cette norme énonce les exigences relatives à la manutention et au remplissage des bouteilles à gaz cylindriques et sphériques, tubes et autres contenants pour le transport des marchandises dangereuses, classe 2.

Reaffirmed Standards

CAN/CSA-C22.2 No. 60601-2-4:04 (R2009)

Medical electrical equipment — Part 2-4: Particular requirements for the safety of cardiac defibrillators (Adopted CEI/IEC 60601-2-4:2002, second edition, without modification)

CAN/CSA-C22.2 No. 60601-2-17:04 (R2009)

Medical electrical equipment — Part 2-17: Particular requirements for the safety of automatically-controlled brachytherapy afterloading equipment (Adopted CEI/IEC 60601-2-17:2004, second edition, without modification)

CAN/CSA-C22.2 No. 60601-2-26:04 (R2009)

Medical electrical equipment — Part 2-26: Particular requirements for the safety of electroencephalographs (Adopted CEI/IEC 60601-2-26:2003, second edition, without modification)

CAN/CSA-C22.2 No. 60601-2-33:04 (R2009)

Medical electrical equipment — Part 2-33: Particular requirements for the safety of magnetic resonance equipment for medical diagnosis (Adopted CEI/IEC 60601-2-33:2002, second edition, without modification)

Reaffirmed Standards (cont'd)**CAN/CSA-C22.2 No. 60601-2-49:04 (R2009)**

Medical electrical equipment — Part 2-49: Particular requirements for the safety of multifunction patient monitoring equipment (Adopted CEI/IEC 60601-2-49:2001, first edition, without modification)

CAN/CSA-C22.2 No. 60601-2-51:04 (R2009)

Medical electrical equipment — Part 2-51: Particular requirements for safety, including essential performance, of recording and analysing single channel and multichannel electrocardiographs (Adopted CEI/IEC 60601-2-51:2003, first edition, without modification)

CAN/CSA-D113.2-M89 (R2009)

Cycling Helmets

M671-99 (R2009)

Slow-Moving Vehicle Identification Emblem (Adopted ASAE [American Society of Agricultural Engineers] Standard S276.5 NOV97, without modification)

M673-99 (R2009)

Equipment for Agriculture — Safety Chain for Towed Equipment (Adopted ANSI/ASAE [American National Standards Institute/American Society of Agricultural Engineers] Standard S338.4 NOV97, without modification)

M677-99 (R2009)

Agricultural Cabs — Environmental Air Quality. Part 2: Pesticide Vapor Filters — Test Procedure and Performance Criteria (Adopted ANSI/ASAE [American National Standards Institute/American Society of Agricultural Engineers] Standard S525-2 MAY98, without modification)

CAN/CSA-M730-1-04 (R2009)

Agricultural wheeled tractors — Rear-mounted three-point linkage — Part 1: Categories 1, 2, 3 and 4 (Adopted ISO 730-1:1994, third edition, with Canadian deviations)

CAN/CSA-Q830-03 (R2009)

Model Code for the Protection of Personal Information

CAN/CSA-Z262.7-04 (R2009)

Guidelines for Spectator Safety in Indoor Arenas

CAN/CSA-Z264.2-99 (R2009)

Labelling of Drug Ampoules, Vials, and Prefilled Syringes

CAN/CSA-Z364.1.3-98 (R2009)

Reuse of Haemodialysers

CAN/CSA-Z731-03 (R2009)

Emergency Preparedness and Response



Certification and Testing (CSA International)

Certification Notices

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

Effective Date	Subject	Title
July 1, 2009	Publication of ANSI/ASSE Z359.1-2007, <i>Safety Requirements for Personal Fall Arrest Systems, Subsystems and Components.</i>	Occupational Health and Safety Products No. 52
July 1, 2009	Publication of Update TIA 06-1 to NFPA 1983, <i>Standard on Life Safety Rope and Equipment for Emergency Services</i> (2006 edition).	Occupational Health and Safety Products No. 53



Quality/ Business Management

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



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