



**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.

*Visit our web site at www.csa.ca and
find out just how convenient
and efficient it is to access
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 It contains important information about new and existing standards, e.g., recently published standards, and withdrawn standards.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

[B79-08, 4th edition](#)

Commercial and Residential Drains and Cleanouts

[W55.3-08, 2nd edition](#)

Certification of Companies for Resistance Welding of Steel and Aluminum



Produits et matériaux de construction

[W178.1-08, 5^e édition](#)

Qualification des organismes d'inspection en soudage

[W178.2-08, 5^e édition](#)

Qualification des inspecteurs en soudage



Electrical/Electronics

[C22.2 No. 45.2-08, 1st edition](#)

Electrical Rigid Metal Conduit — Aluminum, Red Brass, and Stainless Steel (tri-national standard with NMX-J-576-ANCE, second edition, and UL 6A, second edition)

[C22.2 No. 113-08, 7th edition](#)

Fans and Ventilators

[C50-08, 6th edition](#)

Mineral Insulating Oil, Electrical, for Transformers and Switches



Électricité et électronique

[C22.3 n° 9-08, 1^{re} édition](#)

Interconnexion des ressources décentralisées et des réseaux de distribution d'électricité



Energy

[C381.1-08, 1st edition](#)

Test Method for Calculating the Energy Efficiency of Single-Voltage External AC-DC and AC-AC Power Supplies

[C381.2-08, 1st edition](#)

Test Method for Determining the Energy Efficiency of Battery-Charging Systems

[N285.5-08, 3rd edition](#)

Periodic Inspection of CANDU Nuclear Power Plant Containment Components

[N288.1-08, 2nd edition](#)

Guidelines for Calculating Derived Release Limits for Radioactive Material in Airborne and Liquid Effluents for Normal Operation of Nuclear Facilities

 **Énergie**

[F383-08, 2^e édition](#)

Installation des chauffe-eau solaires d'usage ménager intégrés

 **Sciences de la Vie**

[Z314.8-08, 3^e édition](#)

Décontamination des dispositifs médicaux réutilisables



Completed Projects / Projets terminés

Reaffirmed Standards

Z243.32-M1983 (R2008)

Formsets for Use with Embossed Cards and Imprinting Equipment

Z243.41-1980 (R2008)

OCR Paper (Adopted ANSI Standard X3.62-1979)

CAN/CSA-Z243.58-92 (R2008)

Information Technology Vocabulary

Z243.110.1-93 (R2008)

Canadian OSI Registration Procedures and Guidelines — Part 1: Registration Procedures for Organization Names

CAN/CSA-Z243.301-91 (R2008)

UN/EDIFACT Message Design Guidelines

CAN/CSA-Z243.302-91 (R2008)

Trade Data Elements Directory (UNTDED 1990)

CAN/CSA-Z243.310-91 (R2008)

UN/EDIFACT Invoice Message

Withdrawn Standards

CSA has withdrawn its endorsement of the following standards:

- **CCITT V.10**
Electrical Characteristics for Unbalanced Double-Current Interchange Circuits for General Use with Integrated Circuit Equipment in the Field of Data Communications
- **CCITT V.11**
Electrical Characteristics for Balanced Double-Current Interchange Circuits for General Use with Integrated Circuit Equipment in the Field of Data Communications
- **CCITT X.21-1984**
CCITT Recommendation X.21-1984, Recommendation Interface Between Data Terminal Equipment (DTE) and Data Circuit-Terminating Equipment (DCE) for Synchronous Operation on Public Data Networks



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

B79-08, 4th edition

Commercial and Residential Drains and Cleanouts

Paper.....	TBA
PDF	\$100

This standard specifies requirements for the following:

- area drains
- balcony drains
- deck drains
- floor drains
- roof drains
- shower drains
- trench drains
- cleanouts.

This standard covers the following subjects:

- materials
- design requirements for connections, fasteners, grates, cleanout covers, backwater valves, and integral traps
- tests for loading, backwater valve tightness, sealing, and corrosion
- markings.

W55.3-08, 2nd edition

Certification of Companies for Resistance Welding of Steel and Aluminum

Paper.....	\$70
PDF	\$65

This standard specifies requirements for the certification of companies engaged in resistance welding of steel and aluminum.

This standard specifies requirements for the following:

- the qualification of personnel
- the qualification of welding procedures
- process control procedures.



Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

W178.1-08, 5^e édition*Qualification des organismes d'inspection en soudage*

Papier	130 \$
PDF	120 \$

Cette norme énonce les exigences relatives à l'établissement et au maintien de la qualification des organismes d'inspection en soudage qui offrent des services dans une ou plusieurs classes de produits et qui utilisent une ou plusieurs méthodes d'inspections.

Cette norme énonce les exigences relatives à l'inspection en soudage et à la mise à l'essai qui doivent être effectuées par un organisme d'inspection en soudage qualifié, sauf indication contraire de l'autorité compétente ou sauf accord avec cette dernière.

Cette norme contient des articles qui intègrent les exigences de qualification à celles de l'Office des normes générales du Canada (ONGC) relatives au personnel qui effectue les examens radiographiques, par ultrasons, par magnétoscopie, par ressuage et par courants de Foucault.

W178.2-08, 5^e édition*Qualification des inspecteurs en soudage*

Papier	130 \$
PDF	120 \$

Cette norme vise la qualification des inspecteurs en soudage selon trois niveaux possibles. Elle prescrit les responsabilités propres à chaque niveau et les fonctions techniques de base.

Cette norme prescrit les exigences visant l'évaluation périodique de la qualification des inspecteurs en soudage et les examens de la vue.

Cette norme contient un code de déontologie à l'intention des inspecteurs pour assurer le maintien de la qualification.

Afin d'aider les candidats à se préparer aux examens, la norme présente le plan des cours recommandés dans les domaines suivants :

- notions de base en soudage ;
- inspection en soudage ; et
- métallurgie du soudage.

Elle comprend, en outre, une liste des ouvrages de référence pertinents pour chaque classe de produits.

Amendments

ASME A112.19.1-2008/CSA B45.2-08*Enamelled Cast Iron and Enamelled Steel Plumbing Fixtures*

Revision of Clauses 4.1.2 and 4.1.3.

Reaffirmed Standards

O153-M1980 (R2008)

Poplar Plywood

W47.1-03 (R2008)

Certification of Companies for Fusion Welding Of Steel

Z241 Series-03 (R2008)

Park Model Trailers

(This series consists of Z241.0-03, Z241.1-03, Z241.2-03, Z241.3-03, Z241.4-03, and Z241.5-03.)

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

C22.2 No. 45.2-08, 1st edition

Electrical Rigid Metal Conduit — Aluminum, Red Brass, and Stainless Steel (tri-national standard with NMX-J-576-ANCE, second edition, and UL 6A, second edition)

PDF Only \$655

The requirements in this standard cover aluminum (ERMC-A) and stainless steel (ERMC-SS) electrical rigid metal conduit, nipples, elbows, and couplings in 12 – 155 (3/8 – 6) trade sizes for use as metal raceway for the installation of wires and cables in accordance with CSA C22.1, *Canadian Electrical Code, Part I*, NOM-001-SEDE, *Standard for Electrical Installations*, and NFPA 70, *National Electrical Code*. It is the user’s responsibility to determine the appropriate product for the application.

The requirements in this standard also cover red brass (ERMC-RB) electrical rigid metal conduit, nipples, elbows, and couplings in 16 (1/2) trade size for use as metal raceway for the installation of wires and cables in direct burial and swimming pool applications in accordance with the applicable national electrical installation codes.

C22.2 No. 113-08, 7th edition

Fans and Ventilators

PDF Only \$150

This standard applies to cord-connected and permanently connected fans and ventilators intended to be:

- connected to supply circuits of 600 V and less
- used in nonhazardous locations
- used in accordance with the Rules of the *Canadian Electrical Code, Part I*.

This standard applies to fans and ventilators for ventilating or exhaust purposes and filter units consisting of an air-circulating fan and a mechanical filter.

This standard applies to fans and ventilators of the air-circulating type, such as desk, pedestal, hassock, utility, suitcase, and pendant ceiling fans.

This standard applies to fans and ventilators of the ventilating type, such as wall insert, ceiling insert, attic, household hood or canopy, and window fans.

C50-08, 6th edition

Mineral Insulating Oil, Electrical, for Transformers and Switches

PDF Only \$75

This standard specifies requirements for mineral oil of petroleum origin for use in transformers, oil circuit breakers, or other electrical equipment (excluding high-voltage cables) requiring a liquid insulating and cooling medium.



Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

C22.3 n° 9-08, 1^{re} édition*Interconnexion des ressources décentralisées et des réseaux de distribution d'électricité*

PDF seulement135 \$

Cette norme énonce les exigences techniques pour l'interconnexion des ressources décentralisées (RD) et des réseaux de distribution d'au plus 50 kV phase-phase. Elle s'applique à toutes les technologies de ressources décentralisées permettant une capacité combinée d'au plus 10 MW au point de couplage commun (PCC).

Cette norme ne définit pas la capacité maximale des RD ni la limite supérieure de tension pour les installations interconnectées avec un seul PCC ou raccordées à une artère donnée.

Cette norme s'applique à l'interconnexion :

- a) des systèmes RD à onduleur et des réseaux de distribution avec PCC à moyenne tension ; et
- b) des systèmes RD à génératrice et des réseaux de distribution avec PCC à basse ou moyenne tension.

La CAN/CSA-C22.2 n° 257 porte sur l'interconnexion des systèmes RD à onduleur et des réseaux de distribution avec PCC à basse tension.

Amendments

C22.2 No. 36-08*Hairdressing Equipment*

Revision of Clauses 5.5.1.1 and 5.5.2.1, and Table 4.

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

C22.2 No. 42-99 (R2004)*General Use Receptacles, Attachment Plugs, and Similar Wiring Devices*

Revision of the Contents, Clauses 2.1, 4.1.2.1, and 7.8.10, and Figures 1, 5, 10, and 25. Addition of Clauses 4.10, 6.18, and 7.35, Table A5, and Figures 29–33.

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

Reaffirmed Standards

CAN3-C17-M84 (R2008)*Alternating-Current Electricity Metering***C22.2 No. 8-M1986 (R2008)***Electromagnetic Interference (EMI) Filters*

Reaffirmed Standards (cont'd)

C22.2 No. 12-1982 (R2008)

Portable Luminaires

C22.2 No. 23.1-M1986 (R2008)

Electric Furnaces in Combination with Solid Fuel Fired Furnaces

CAN/CSA-C22.2 No. 65-03 (R2008)

Standard for Wire Connectors (tri-national standard with NMX-J-543-ANCE, first edition, and UL 486A-486B, first edition)

C22.2 No. 89-1976 (R2008)

Swimming-Pool Luminaires, Submersible Luminaires and Accessories

C22.2 No. 92-1971 (R2008)

Dehumidifiers

C22.2 No. 101-M1984 (R2008)

Electrically Heated Bedding Appliances for Household Use

C22.2 No. 118-1959 (R2008)

Construction and Test of Picture Machines and Appliances

C22.2 No. 153-M1981 (R2008)

Quick-Connect Terminals

C22.2 No. 166-M1983 (R2008)

Stage and Studio Luminaires

C22.2 No. 180-M1983 (R2008)

Series Isolating Transformers for Airport Lighting

C22.2 No. 206-M1987 (R2008)

Lighting Poles

CAN/CSA-C22.2 No. 207-M89 (R2008)

Portable and Stationary Electric Signs and Displays

C22.2 No. 209-M1985 (R2008)

Thermal Cut-Offs

C22.2 No. 1335.1-93 (R2008)

Portable Electrical Motor-Operated and Heating Appliances: General Requirements

C22.2 No. 1335.2.9-93 (R2008)

Portable Electrical Motor-Operated and Heating Appliances: Particular Requirements for Portable Electric Cooking Appliances



Reaffirmed Standards (cont'd)

C22.2 No. 1335.2.14-93 (R2008)

Portable Electrical Motor-Operated and Heating Appliances: Particular Requirements for Electrical Motor-Operated Kitchen Appliances

CAN/CSA-C22.2 No. 1335.2.15-93 (R2008)

Portable Electrical Motor-Operated and Heating Appliances: Particular Requirements for Liquid-Heating Appliances

CAN/CSA-C68.1-92 (R2008)

Specifications for Impregnated Paper-Insulated Metallic-Sheathed Cable, Solid Type

CAN/CSA-C71-1-99 (R2008)

Insulation co-ordination — Part 1: Definitions, principles and rules
(Adopted CEI/IEC 71-1: 1993, seventh edition, with Canadian deviations)

CAN/CSA-E335-1/2E-94 (R2008)

Safety of household and similar electrical appliances — Part 1: General requirements
(Adopted CEI/IEC 335-1:1976, second edition, with Canadian deviations)

CAN/CSA-E335-1/3E-94 (R2008)

Safety of household and similar electrical appliances — Part 1: General requirements
(Adopted CEI/IEC 335-1:1991, third edition, with Canadian deviations)

CAN/CSA-E384-14-1-95 (R2008)

Fixed capacitors for use in electronic equipment — Part 14: Blank detail specification: Fixed capacitors for electromagnetic interference suppression and connection to the supply mains — Assessment level D (Adopted CEI/IEC 384-14-1:1993, first edition, without modification)

CAN/CSA-E730-2-1-94 (R2008)

Automatic electrical controls for household and similar use — Part 2: Particular requirements for electrical controls for electrical household appliances
(Adopted CEI/IEC 730-2-1:1989, first edition, with Canadian deviations)

CAN/CSA-E730-2-3-94 (R2008)

Automatic electrical controls for household and similar use — Part 2: Particular requirements for thermal protectors for ballasts for tubular fluorescent lamps
(Adopted CEI/IEC 730-2-3:1990, first edition, with Canadian deviations)

CAN/CSA-E730-2-4-94 (R2008)

Automatic electrical controls for household and similar use — Part 2: Particular requirements for thermal motor protectors for motor-compressors of hermetic and semi-hermetic type (Adopted CEI/IEC 730-2-4:1990, first edition, with Canadian deviations)



Reaffirmed Standards (cont'd)

CAN/CSA-E730-2-6-94 (R2008)

Automatic electrical controls for household and similar use — Part 2: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements (Adopted CEI/IEC 730-2-6:1991, first edition, with Canadian deviations)

CAN/CSA-E730-2-7-94 (R2008)

Automatic electrical controls for household and similar use — Part 2: Particular requirements for timers and time switches (Adopted CEI/IEC 730-2-7:1990, first edition, with Canadian deviations)

CAN/CSA-E730-2-10-94 (R2008)

Automatic electrical controls for household and similar use — Part 2: Particular requirements for electrically operated motor starting relays (Adopted CEI/IEC 730-2-10:1991, first edition, with Canadian deviations)

CAN/CSA-E730-2-11-94 (R2008)

Automatic electrical controls for household and similar use — Part 2: Particular requirements for energy regulators (Adopted CEI/IEC 730-2-11:1993, first edition, with Canadian deviations)

CAN/CSA-E730-2-12-94 (R2008)

Automatic electrical controls for household and similar use — Part 2: Particular requirements for electrically operated door locks (Adopted CEI/IEC 730-2-12:1993, first edition, with Canadian deviations)

CAN/CSA-E61965:04 (R2008)

Mechanical safety of cathode ray tubes (Adopted IEC 61965:2003, second edition, without modification)

Endorsed Standards

IEC 60454-2 (2007)

Pressure-sensitive adhesive tapes for electrical purposes — Part 2: Methods of test

IEC 60626-3 (2008)

Combined flexible materials for electrical insulation — Part 3: Specifications for individual materials



Certification and Testing (CSA International)

Certification Notices

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

Effective Date	Subject	Title
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
February 27, 2009	New and revised requirements in standard UL 588, <i>Seasonal and Holiday Decorative Products, 18th edition</i> .	Lighting Products No. 50
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). 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

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
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
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
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

**Certification Notices (cont'd)**

Effective Date	Subject	Title
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 (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

C381.1-08, 1st edition

Test Method for Calculating the Energy Efficiency of Single-Voltage External AC-DC and AC-AC Power Supplies

PDF only \$50

This standard specifies a test method for calculating the energy efficiency of external power supplies (EPS) across a full range of load conditions. It covers single-voltage external ac-dc and ac-ac power supplies that provide one ac or dc output that is at a fixed voltage or is user selectable through a sector switch.

The test method specified in this standard is intended to complement the methodology contained in CSA C381.2. Products within the scope of CSA C381.2 are not intended to be tested by this standard.

This standard is not intended to replace CAN/CSA-C62301, which focuses on the measurement of standby power, but to complement it by including measurement requirements for no-load and active-mode conditions.

C381.2-08, 1st edition

Test Method for Determining the Energy Efficiency of Battery-Charging Systems

PDF only \$50

This standard specifies a test method for determining the energy ratio of devices that charge and maintain secondary batteries.

This standard applies to battery-charging systems that have all of the following characteristics:

- battery chemistries such as nickel cadmium, lead acid, lithium ion, and nickel-metal hydride, but not primary cell chemistries such as alkaline “dry” cells
- a battery voltage less than 50 V
- a nominal charging input rating less than or equal to 300 W or 500 V•A.

This standard is intended to evaluate products whose primary function is either:

- a) battery charging; or
- b) other than battery charging, but whose power consumption can be disabled to allow the determination of the energy ratio of the battery charging system.

The test method specified in this standard is intended to complement the methodology contained in CSA C381.1. Products within the scope of CSA C381.1 are not intended to be tested by this standard.



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

N285.5-08, 3rd edition

Periodic Inspection of CANDU Nuclear Power Plant Containment Components

Paper	TBA
PDF	\$150

This standard specifies requirements for the periodic inspection of containment system components, including containment pressure suppression systems, in CANDU nuclear power plants.

The inspection requirements specified in this standard provide assurance of the structural integrity of metallic and plastic containment system components.

This standard specifies requirements for the following:

- inspection
- accessibility
- inspection methods and procedures
- personnel qualifications
- inspection criteria
- inspection program development
- inspection frequency
- evaluation of inspection results
- disposition of defects
- repairs
- documentation
- records.

N288.1-08, 2nd edition

Guidelines for Calculating Derived Release Limits for Radioactive Material in Airborne and Liquid Effluents for Normal Operation of Nuclear Facilities

Paper	\$340
PDF	\$310

The previous edition of CSA N288.1 and the CANDU Owners Group (COG) DRL guidance document were intended to apply primarily to CANDU nuclear power stations in Canada; this remains the focus of this guideline.

However, the radionuclides and environmental pathways addressed make this guideline applicable to releases from many other nuclear facilities, including research reactors, radioisotope processing facilities, waste processing facilities such as incinerators, and power reactors other than those of CANDU design. Application to other types of facilities such as fuel fabrication plants and refineries is limited by the radionuclides considered here.

However, neither the radionuclides nor the models included in this guideline are complete enough to cover releases from sources such as uranium mine tailings, permanent geologic disposal facilities, and other facilities where extensive modelling of groundwater pathways is required. This guideline may be adapted to cover part of the needs of such facilities, but additional models or methodologies might be necessary for other parts.

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

N288.1-08 (cont'd)

This guideline covers releases to the atmosphere and to surface water (both fresh and marine). It does not address releases to groundwater, although transfers from other media to groundwater wells and ponds are considered. Direct gamma irradiation from radioactivity inside the facility is not modelled because it does not involve a release.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

F383-08, 2^e édition

Installation des chauffe-eau solaires d'usage ménager intégrés

PDF seulement 65 \$

Cette norme énonce les exigences relatives à l'installation des chauffe-eau solaires d'usage ménager intégrés (CESUM) qui satisfont à la série CSA F379.

Amendments

N293S1-08

Supplement No. 1 to N293-07, "Fire Protection for CANDU Nuclear Power Plants"

This document has been incorporated into the N293-07 Consolidated version. It is not available as a separate document.

Reaffirmed Standards

CAN/CSA-P.7-98 (R2008)

Testing Method for Measuring Energy Loss of Gas-Fired Instantaneous Water Heaters

Withdrawn Standards

CAN/CSA-F429-M90 (R2004)

Recommended Practice for the Installation of Wind Energy Conversion Systems



Environment

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

Certification and Testing (CSA International)

Certification Notices

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

Effective Date	Subject	Title
January 1, 2009	Withdrawal of IAS U.S. requirements No. 8-93 for gas-fired log lighters for wood-burning fireplaces.	Gas Products No. 171
January 1, 2009	Withdrawal of CSA International requirements No. 3-00 U.S. for gas-fired shoe dryers.	Gas Products No. 172
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 addenda 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 addenda supersede any corresponding provisions of ANSI Z83.7-2000/CSA 2.14-2000.	Gas Products No. 150
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



Certification Notices (cont'd)

Effective Date	Subject	Title
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 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 ANSI Z83.18b-2008, <i>Addenda B to "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

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

Z314.8-08, 3^e édition

Décontamination des dispositifs médicaux réutilisables

Papier.....	95 \$
PDF	85 \$

Cette norme décrit les éléments et méthodes essentiels à la manipulation, au transport et à la décontamination biologique sécuritaires des dispositifs médicaux réutilisables contaminés.

Cette norme comporte des exigences visant :

- a) les lignes directrices, les modes opératoires et les systèmes qualité ;
- b) l'évaluation et l'achat de dispositifs médicaux réutilisables ;
- c) la qualification, la formation et l'entraînement du personnel ;
- d) les vêtements de protection ;
- e) les zones et l'appareillage de décontamination ;
- f) la manipulation immédiate des dispositifs médicaux contaminés aux points de service ;
- g) le transport des dispositifs médicaux contaminés ; et
- h) les lignes directrices et les modes opératoires de décontamination (pour les dispositifs médicaux diagnostiques et thérapeutiques réutilisables en général, et plus particulièrement pour les dispositifs respiratoires et anesthésiques réutilisables, les endoscopes à fibres optiques flexibles et les dispositifs électroniques utilisés par les bénéficiaires).

Reaffirmed Standards

CAN/CSA-M3600-98 (R2008)

Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Operator's manuals — Content and presentation (Adopted ISO 3600:1996, third edition, without modification)

CAN/CSA-M5007-03 (R2008)

Agricultural wheeled tractors — Operator's seat — Laboratory measurement of transmitted vibration (Adopted ISO 5007:2003, second edition, without modification)

CAN/CSA-M5008-03 (R2008)

Agricultural wheeled tractors and field machinery — Measurement of whole-body vibration of the operator (Adopted ISO 5008:2002, second edition, without modification)

CAN/CSA-Z262.6-02 (R2008)

Specifications for Facially Featured Headforms



Reaffirmed Standards (cont'd)

CAN/CSA-Z23328-2-03 (R2008)

Breathing system filters for anaesthetic and respiratory use — Part 2: Non-filtration aspects
(Adopted ISO 23328-2:2002, first edition, without modification)

Certification and Testing (CSA International)

Certification Notices

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

Effective Date	Subject	Title
February 20, 2009	Publication of ANSI Z87.1-2003, <i>Occupational and Educational Personal Eye and Face Protection Devices</i> .	Occupational Health and Safety Products No. 54
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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