



**CANADIAN STANDARDS
ASSOCIATION**

INFO UPDATE

Volume 7 November 2004

Issue date: November 3, 2004

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, and standards under development. It also gives you highlights of other activities and services.

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

Information is organized into the eight program areas listed below.



Communications/Information includes Information Technology • Telecommunications



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



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



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



Environment includes Environmental Management • Environmental Technology



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



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



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

What you'll find

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

Completed Projects / Projets terminés

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

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

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

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

▼ **Amendments**

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

▼ **Modifications publiées en français**

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

▼ **Adopted Standards**

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

▼ **Endorsed Standards**

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

Endorsed standards are not sold by CSA.

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

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

▼ Reaffirmed Standards

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

▼ Withdrawn Standards

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

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

▼ Formal Interpretations

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

Under Development

▼ Notice of Intent

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

▼ Drafts for Public Review

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

After the expiry date for public comments, you can buy the public review drafts, up until the approval stage, for \$50 (plus shipping and handling). *Please note:* Drafts are works in progress and have no official status. They are not a substitute for the final, approved standards and amendments. Do not use them as an authoritative source.

▼ Proposed Reaffirmation of Standards

Standards listed in this section are being reviewed to determine if they remain technically valid and current. If you have any comments, send them to the contact person noted within 30 days of the date of this issue of *Info Update*. Your comments will be passed on to the appropriate committee for consideration.

▼ Proposed Withdrawal of Standards

These documents are being considered for withdrawal. If you have any questions or concerns about this, contact the person noted within 30 days of the date of this issue of *Info Update*.

▼ Status of Standards Projects

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

Certification and Testing (CSA International)

▼ Informs Notices (Bulletins from CSA International)

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

▼ Certification Notices

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

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



Informatique et télécommunications

[CAN/CSA-ISO/CEI 14651:02, 1^{re} édition](#)

Technologies de l'information—Classement international et comparaison de chaînes de caractères—Méthode de comparaison de chaînes de caractères et description du modèle commun et adaptable de classement (norme ISO/CEI 14651:2001)



Construction Products and Materials

[B64.1.3-04, 1st edition](#)

Vacuum Breakers, Spill-Resistant Pressure Type (SRPVB)

[S472-04, 3rd edition](#)

Foundations

[S474-04, 3rd edition](#)

Concrete Structures



Produits et matériaux de construction

[A179-04, 3^e édition](#)

Mortier et coulis pour la maçonnerie en éléments

[Série A257-03, 4^e édition](#)

Normes sur les tuyaux en béton et les éléments de regards



Electrical / Electronics

[C22.2 No. 188-04, 2nd edition](#)

Splicing Wire Connectors (Tri-national standard with NMX-J-548-ANCE-2004 and UL486C)



Électricité et électronique

[CAN/CSA-C22.2 n° 47-M90, 4^e édition](#)

Transformateurs refroidis à l'air (type sec)

[C22.2 n° 182.1-02, 2^e édition](#)

Fiches, prises et connecteurs de câble à contacts cylindriques (norme binationale avec UL 1682, deuxième édition)

 **Energy**

[B140.4-04, 3rd edition](#)

Oil-Fired Warm Air Furnaces

 **Énergie**

[Z662-03, 4^e édition](#)

Réseaux de canalisations de pétrole et de gaz

 **Gas**

[ANSI Z21.10.1-2004/CSA 4.1-2004, 3rd edition](#)

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

[ANSI Z21.13-2004/CSA 4.9-2004, 2nd edition](#)

Gas-Fired Low Pressure Steam and Hot Water Boilers

 **Life Sciences**

[B651-04, 3rd edition](#)

Accessible Design for the Built Environment

[Z32-04, 2nd edition](#)

Electrical Safety and Essential Electrical Systems in Health Care Facilities

 **Quality / Business Management**

[CAN/CSA-ISO 10002:04, 1st edition](#)

Quality Management–Customer Satisfaction–Guidelines for Complaints Handling in Organizations (Adopted ISO 10002:2004, first edition, without modification)

 **Qualité / Gestion et production**

[CAN/CSA-ISO 10002:04, 1^{re} édition](#)

Management de la qualité–Satisfaction des clients–Lignes directrices pour le traitement des réclamations dans les organismes (norme ISO 10002:2004, première édition, adoptée sans modification)



Completed Projects / Projets terminés

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

CAN/CSA-ISO/CEI 14651:02, 1^{re} édition

Technologies de l'information—Classement international et comparaison de chaînes de caractères—Méthode de comparaison de chaînes de caractères et description du modèle commun et adaptable de classement (norme ISO/CEI 14651:2001)..... 130 \$

Reaffirmed Standards

CAN/CSA-ISO/IEC-10021-1-94 (R2004)

Information Technology—Text Communication—Message-Oriented Text Interchange Systems (MOTIS)—Part 1: System and Service Overview (Adopted ISO/IEC 10021-1:1990)

CAN/CSA-ISO/IEC-10021-2-94 (R2004)

Information Technology—Text Communication—Message-Oriented Text Interchange Systems (MOTIS)—Part 2: Overall Architecture (Adopted ISO/IEC 10021-2:1990)

CAN/CSA-ISO/IEC-10021-6-94 (R2004)

Information Technology—Text Communication—Message-Oriented Text Interchange Systems (MOTIS)—Part 6: Protocol Specifications (Adopted ISO/IEC 10021-6:1990)

CAN/CSA-ISO/IEC 11179-3-00 (R2004)

Information Technology—Specification and Standardization of Data Elements—Part 3: Basic Attributes of Data Elements (Adopted ISO/IEC 11179-3:1994)

CAN/CSA-Z243.183-89 (R2004)

Information Processing Systems—Open Systems Interconnection—File Transfer, Access and Management—Part 4: File Protocol Specification (Adopted ISO 8571-4:1988)

Under Development

Proposed Withdrawal of Standards

For more information about the proposed withdrawal of the following standards, contact Tom Bartoffy at 416-747-2636 or tom.bartoffy@csa.ca:

- **CAN/CSA-T512-M91 (R1999)**
Functional and Compatibility Requirements for Private Branch Exchange (PBX) Switching Equipment for Voiceband Applications
- **T525-94 (R1999)**
Residential Wiring for Telecommunications
- **T527-94 (R1999)**
Grounding and Bonding for Telecommunications in Commercial Buildings



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

B64.1.3-04, 1st edition

Vacuum Breakers, Spill-Resistant Pressure Type (SRPVB) \$35

This standard applies to vacuum breaker assemblies of the spill-resistant pressure type.

S472-04, 3rd edition

Foundations \$100

This standard addresses the geotechnical engineering aspects of the following:

- gravity-base structures
- fill structures
- fill-retention structures
- pile-supported structures.

Specific considerations include site investigation, general design principles, the influences of soil and natural processes on the foundation components, and the geotechnical factors that affect the construction, installation, operation, and decommissioning of such structures.

S474-04, 3rd edition

Concrete Structures \$100

This standard specifies material selection, design, and construction requirements for fixed concrete offshore structures. It is intended for use by engineers experienced in the design and construction of offshore structures.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

A179-04, 3^e édition

Mortier et coulis pour la maçonnerie en éléments 50 \$

Cette norme énonce les exigences relatives :

- au mortier utilisé dans la formation des assises, le jointoiment et l'adhérence des éléments de maçonnerie ;
- au coulis utilisé dans le remplissage des alvéoles, des espaces vides ou cavités des ouvrages de maçonnerie en éléments.

Cette norme énonce les exigences relatives à deux types de mortier, soit les types N et S, ainsi que les exigences relatives à deux types de coulis, soit à grains fins et à gros grains.



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

Série A257-03, 4^e édition

Normes sur les tuyaux en béton et les éléments de regards 100 \$

La série A257 comprend les normes suivantes :

- **A257.0-03**, *Méthodes de détermination des caractéristiques physiques des tuyaux circulaires en béton, des éléments de regards, des puisards et des raccords*. Cette norme porte sur les tuyaux circulaires en béton préfabriqué, les éléments de regards et les accessoires destinés à servir de conduite d'égout pour l'évacuation des eaux usées domestiques ou industrielles et des eaux pluviales et dans la construction de ponceaux.

Cette norme décrit les techniques visant la mise à l'essai des tuyaux circulaires en béton, des éléments de regards et des joints et traite des essais suivants :

- a) essai d'écrasement par appui triple ;
- b) essai de compression du béton ;
- c) essai d'absorption d'eau ;
- d) essai de pression hydraulique ;
- e) essai de chargement d'une dalle couvercle ; et
- f) essai de chargement d'un échelon de regard.

- **A257.1-03**, *Ponceaux circulaires en béton non-armé, collecteurs d'eaux pluviales, égouts et raccords*. Cette norme porte sur les tuyaux circulaires en béton non armé et les accessoires destinés à servir de conduite d'égout pour l'évacuation des eaux usées industrielles et des eaux pluviales et dans la construction de ponceaux.

Cette norme répartit les tuyaux en béton non armé en trois classes et en donne les caractéristiques physiques et dimensionnelles :

- a) classe 1 ;
- b) classe 2 ; et
- c) classe 3.

- **A257.2-03**, *Ponceaux circulaires en béton armé, collecteurs d'eaux pluviales, égouts et raccords*. Cette norme porte sur les tuyaux circulaires en béton armé et les accessoires destinés à servir de conduite d'égout pour l'évacuation des eaux usées domestiques ou industrielles et des eaux pluviales et dans la construction de ponceaux. Cette norme s'applique aux tuyaux utilisés dans la construction de tunnels.

Cette norme répartit les tuyaux en béton armé en quatre classes de résistance et en donne les caractéristiques physiques et dimensionnelles :

- a) 50 D ;
- b) 65 D ;
- c) 100 D ; et
- d) 140 D.



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

Série A257-03 (suite)

- **A257.3-03**, *Joints des ponceaux et égouts circulaires en béton, des éléments de regards et raccords avec bague d'étanchéité en caoutchouc*. Cette norme porte sur les tuyaux circulaires en béton préfabriqué, les éléments de regards et les accessoires destinés à servir de conduite d'égout pour l'évacuation des eaux usées domestiques ou industrielles et des eaux pluviales et dans la construction de ponceaux.

Cette norme énonce les caractéristiques de fabrication et de tenue des joints flexibles munis de bagues en caoutchouc pour assurer l'étanchéité des ponceaux et égouts circulaires en béton, des éléments de regards préfabriqués et des raccords avec bague d'étanchéité en caoutchouc dont la tenue à l'infiltration ou à l'exfiltration constitue un critère de conception.

- **A257.4-03**, *Éléments de regards et puisards circulaires préfabriqués en béton armé et raccords*. Cette norme porte sur les éléments de regards circulaires préfabriqués en béton armé, y compris les embases, les éléments droits, les puisards et les accessoires d'égout tels que dalles couvercles, éléments tronconiques (supérieurs), et autres éléments d'usage particulier destinés à servir de conduite d'égout pour l'évacuation des eaux usées industrielles et des eaux pluviales et dans la construction de ponceaux.

Cette norme s'applique aux regards préfabriqués à élément tronconique concentrique, excentrique ou à dalle couvercle.

Reaffirmed Standards

CAN/CSA-A220 Series-M91 (R2004)

Concrete Roof Tiles

(Series consists of A220.0, A220.1, and A220.2)

Under Development

Notice of Intent

For more information about the proposed development of the following new projects, contact Muktha Tumkur at 416-747-4045 or muktha.tumkur@csa.ca:

- **A231.1/A231.2, 3rd edition**
Precast Concrete Pavers and Slabs
- **A3000 Series, 3rd edition**
Cementitious Materials Compendium



Drafts for Public Review

Please note: Public comments about draft standards, proposed amendments, proposed adoptions and proposed endorsements listed in this issue are due by January 3, 2005.

Draft Standards

To receive copies of the following draft standards, or to offer comments, contact Vanessa Mitchell at 416-747-2470 or vanessa.mitchell@csa.ca:

- **A123.1/A123.5, 2nd edition**
*Asphalt Shingles Made from Organic Felt and Surfaced with Mineral Granules/
Asphalt Shingles Made from Glass Felt and Surfaced with Mineral Granules*
- **A123.3, 3rd edition**
Asphalt Saturated Organic Roofing Felt
- **A123.17, 2nd edition**
Asphalt-Saturated Felted Glass-Fibre Mat for Use in Construction of Built-Up Roofs

Proposed Withdrawal of Standards

For more information about the proposed withdrawal of the following standard, contact Abraham Murra at 416-747-4186 or abraham.murra@csa.ca:

- **B272-93 (R2000)**
Prefabricated Self-Sealing Roof Vent Flashings

Certification and Testing (CSA International)

Informs Notices

| Date | Subject | Title |
|------------------|---|---------------------------|
| October 25, 2004 | Publication of Technical Information Letter No. MSE-46, covering interim certification requirements for self-restrained joints. | Plumbing Products No. 152 |

Certification Notices

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

| Effective Date | Subject | Title |
|----------------------------------|--|---------------------------|
| November 30, 2004 | Publication of Technical Information Letter MSE-42, covering technical requirements for flexible water connectors not addressed in CSA standard B125-01. | Plumbing Products No. 150 |
| January 30, 2005 & July 30, 2005 | Publication of CSA standard CAN/CSA-B602-99, <i>Mechanical Couplings for Drain, Waste, and Vent Pipe and Sewer Pipe.</i> | Plumbing Products No. 146 |

Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

C22.2 No. 188-04, 2nd edition

Splicing Wire Connectors (Tri-national standard with NMX-J-548-ANCE-2004 and UL486C)..... \$245

This standard applies to hand-applied or tool-applied splicing wire and cable connectors intended for use with all alloys of copper or aluminum conductors, or both, in accordance with the *Canadian Electrical Code, Part I*, the *National Electrical Code*, or the *Standard for Electrical Installations*, as follows:

- connectors intended to hold two or more conductors
- connectors intended for use in appliances and equipment that comply with the requirements for such appliances and equipment
- connectors intended for use with 6 AWG (13.3 mm²) or smaller conductors
- uninsulated connectors that are used in circuits rated 8 000 V and less.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

CAN/CSA-C22.2 n° 47-M90, 4^e édition

Transformateurs refroidis à l'air (type sec) 50 \$

Cette norme s'applique aux transformateurs monophasés et polyphasés de type sec qui alimentent des circuits de puissance, de chauffage et d'éclairage et qui sont conçus pour être installés et utilisés conformément au *Code canadien de l'électricité, Première partie*.

Cette norme s'applique aux transformateurs à enroulements multiples et aux autotransformateurs d'au plus 46 kV.

C22.2 n° 182.1-02, 2^e édition

Fiches, prises et connecteurs de câble à contacts cylindriques
(norme binationale avec UL 1682, deuxième édition) 225 \$

Cette norme s'applique aux fiches, aux prises, aux entrées d'alimentation et aux connecteurs à contacts cylindriques dont les caractéristiques nominales sont d'au plus 800 A et d'au plus 600 V c.a. ou c.c., et qui peuvent comporter un maximum de deux contacts auxiliaires. Ces dispositifs sont destinés à transmettre le courant à partir de circuits de dérivation, ou à être branchés directement à un circuit de dérivation, conformément au *Code canadien de l'électricité, Première partie* (CCE) et au *National Electrical Code* (ANSI/NFPA 70), au moyen de conducteurs en cuivre, dans des emplacements non dangereux situés à l'intérieur ou à l'extérieur. Au Canada, les bornes d'un dispositif destiné à recevoir des conducteurs en aluminium doivent également satisfaire à la norme C22.2 n° 65, *Connecteurs de fils*.



Amendments

C22.2 No. 100-04

Motors and Generators

Revision of the Contents, the Subcommittee List, and Clauses 11.2.1, 11.2.7, and 11.3.3.
Addition of Clause 11.2.8.

Modifications publiées en français

CAN/CSA-C22.2 n° 47-M90 (C2001)

Transformateurs refroidis à l'air (type sec)

Des modifications ont été apportées à la table des matières, aux articles 1.3, 2.1, 3.2.1, 3.2.2, 4.2.4.1, 4.2.4.1A, 4.2.7, 5.1 et 5.5. Les articles 4.2.8, 5.6, 5.7, 6.4 et la figure 1 ont été ajoutés.

Endorsed Standards

IEC 60371-1 (2003-04)

Specification for Insulating Materials Based on Mica—Part 1: Definitions and General Requirements

IEC 60454-3-1 (2002-12)

Pressure-Sensitive Adhesive Tapes for Electrical Purposes—Part 3: Specifications for Individual Materials—Sheet 1: PVC Film Tapes with Pressure-Sensitive Adhesive

IEC 60626-3 (2002-05)

Combined Flexible Materials for Electrical Insulation—Part 3: Specifications for Individual Materials

IEC 60684-1 (2003-04)

Flexible Insulating Sleeving—Part 1: Definitions and General Requirements

IEC 60684-2-am1 (2003-04)

Amendment 1—Flexible Insulating Sleeving—Part 2: Methods of Test

IEC 60684-3-209 (2003-03)

Flexible Insulating Sleeving—Part 3: Specifications for Individual Types of Sleeving—Sheet 209: Heat-Shrinkable Polyolefin Sleeving, General Purpose, Flame Retarded, Shrink Ratio 2:1

IEC 60684-3-406 to 408 (2003-07)

Flexible Insulating Sleeving—Part 3: Specifications for Individual Types of Sleeving—Sheets 406 to 408: Glass Textile Sleeving with PVC Coating

IEC 60893-1 (2003-06)

Industrial Rigid Laminated Sheets Based on Thermosetting Resins for Electrical Purposes—Part 1: Definitions, Designations and General Requirements



Reaffirmed Standards

C22.2 No. 3-M1988 (R2004)

Electrical Features of Fuel-Burning Equipment

C22.2 No. 26-1952 (R2004)

Construction and Test of Wireways, Auxiliary Gutters, and Associated Fittings

C22.2 No. 34-M1987 (R2004)

Electrode Receptacles, Fittings, and Connectors for Gas Tubes

C22.2 No. 35-M1987 (R2004)

Extra-Low-Voltage Control Circuit Cables, Low-Energy Control Cable

C22.2 No. 37-M1989 (R2004)

Christmas Tree and Other Decorative Lighting Outfits

C22.2 No. 77-95 (R2004)

Motors with Inherent Overheating Protection

C22.2 No. 82-1969 (R2004)

Tubular Support Members and Associated Fittings for Domestic and Commercial Service Masts

C22.2 No. 113-M1984 (R2004)

Fans and Ventilators

CAN/CSA-C22.2 No. 131-M89 (R2004)

Type TECK 90 Cable

C22.2 No. 140.3-M1987 (R2004)

Refrigerant-Containing Components for Use in Electrical Equipment

C22.2 No. 145-M1986 (R2004)

Motors and Generators for Use in Hazardous Locations

C22.2 No. 156-M1987 (R2004)

Solid-State Speed Controls

C22.2 No. 184-M1988 (R2004)

Solid-State Lighting Controls

CAN/CSA-C22.2 No. 191-M89 (R2004)

Engine Heaters and Battery Warmers

C22.2 No. 193-M1983 (R2004)

High-Voltage Full-Load Interrupter Switches

CAN/CSA-C22.2 No. 199-M89 (R2004)

Combustion Safety Controls and Solid-State Igniters for Gas- and Oil-Burning Equipment



Reaffirmed Standards (cont'd)

C22.2 No. 201-M1984 (R2004)

Metal-Enclosed High Voltage Busways

C22.2 No. 205-M1983 (R2004)

Signal Equipment

CAN/CSA-C22.2 No. 224-M89 (R2004)

Radiant Heaters and Infrared and Ultraviolet Lamp Assemblies for Cosmetic or Hygienic Purposes in Nonmedical Applications

CAN/CSA-C22.2 No. 233-M89 (R2004)

Cords and Cord Sets for Communication Systems

CAN/CSA-C22.2 No. 236-95 (R2004)

Heating and Cooling Equipment

CAN/CSA-C22.2 No. 745-2-12-95 (R2004)

Safety of Portable Electric Tools—Part 2: Particular Requirements for Concrete Vibrators
(Bi-national standard with UL 745-2-12)

CAN/CSA-C22.2 No. 745-2-30-95 (R2004)

Safety of Portable Electric Tools—Part 2: Particular Requirements for Staplers
(Bi-national standard with UL 745-2-30)

CAN/CSA-C22.2 No. 745-2-31-95 (R2004)

Safety of Portable Electric Tools—Part 2: Particular Requirements for Diamond Core Drills
(Bi-national standard with UL 745-2-31)

CAN/CSA-C22.2 No. 745-2-32-95 (R2004)

Safety of Portable Electric Tools—Part 2: Particular Requirements for Magnetic Drill Presses
(Bi-national standard with UL 745-2-32)

CAN/CSA-C22.2 No. 745-2-33-95 (R2004)

Safety of Portable Electric Tools—Part 2: Particular Requirements for Portable Bandsaws
(Bi-national standard with UL 745-2-33)

CAN/CSA-C22.2 No. 745-2-34-95 (R2004)

Safety of Portable Electric Tools—Part 2: Particular Requirements for Strapping Tools
(Bi-national standard with UL 745-2-34)

CAN/CSA-C22.2 No. 745-2-35-95 (R2004)

Safety of Portable Electric Tools—Part 2: Particular Requirements for Drain Cleaners
(Bi-national standard with UL 745-2-35)

CAN/CSA-C22.2 No. 745-2-36-95 (R2004)

Safety of Portable Electric Tools—Part 2: Particular Requirements for Hand Motor Tools
(Bi-national standard with UL 745-2-36)



Reaffirmed Standards (cont'd)

CAN/CSA-C22.2 No. 745-2-37-95 (R2004)

Safety of Portable Electric Tools—Part 2: Particular Requirements for Plate Jointers
(Bi-national standard with UL 745-2-37)

CAN/CSA-C22.2 No. 745-4-3-95 (R2004)

Safety of Portable Battery-Operated Tools—Part 4: Particular Requirements for Grinders, Polishers and Disk-Type Sanders (Bi-national standard with UL 745-4-3)

CAN/CSA-C22.2 No. 745-4-35-95 (R2004)

Safety of Portable Electric Tools—Part 2: Safety of Portable Battery-Operated Tools—Part 4: Particular Requirement for Drain Cleaners (Bi-national standard with UL 745-4-35)

CAN/CSA-C22.2 No. 745-4-36-95 (R2004)

Safety of Portable Electric Tools—Part 2: Safety of Portable Battery-Operated Tools—Part 4: Particular Requirement for Hand Motor Tools (Bi-national standard with UL 745-4-36)

CAN/CSA-C22.2 No. 1010.2.041-96 (R2004)

Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use Part 2–041: Particular Requirements for Autoclaves Using Steam for the Treatment of Medical Materials, and for Laboratory Processes (Adopted IEC 1010-2-041:1995, 1st edition)

CAN/CSA-C88-M90 (R2004)

Power Transformers and Reactors

Withdrawn Standards

CSA has withdrawn its endorsement of the following IEC standard:

- **IEC 60795 (1984)**

Test Method for Evaluating Thermal Endurance of Flexible Sheet Materials Using the Wrapped Tube Method



Under Development

Drafts for Public Review

Please note: Public comments about draft standards, proposed amendments, proposed adoptions and proposed endorsements listed in this issue are due by January 3, 2005.

Draft Standards

To receive copies of the following draft standard, or to offer comments, contact Annie Pereira at 416-747-4094 or annie.pereira@csa.ca:

- **C22.2 No. 253, 1st edition**
Alternating Current Contactors and Contactor-Based Controllers Rated 1501 to 7200 V

Proposed Amendments

To receive copies of the following proposed amendment, or to offer comments, contact Annie Pereira at 416-747-4094 or annie.pereira@csa.ca:

- **C22.2 No. 218.2-93 (R2004)**
Hydromassage Bathtub Appliances
Proposed revision of various clauses.

Proposed Adoptions

For more information about the proposed adoption of the following IEC standard, contact Michael Henville at 416-747-2227 or michael.henville@csa.ca:

- **IEC 60947-5-1, 2nd edition**
Low-Voltage Switchgear and Controlgear—Part 5: Control Circuit Devices and Switching Elements—Electromechanical Control Circuit Devices

Proposed Withdrawal of Standards

For more information about the proposed withdrawal of the following standard, contact Tim Pope at 416-747-2572 or tim.pope@csa.ca:

- **CAN/CSA-E79-1A-95 (R1999)**
1st Supplement to CAN/CSA-E79-1, “Electrical Apparatus for Explosive Gas Atmospheres—Part 1: Construction and Test of Flameproof Enclosures of Electrical Apparatus—Appendix D: Method of Test for Ascertainment of Maximum Experimental Safe Gap”
(Adopted IEC 79-1A:1975, Edition 3.0, without modification)

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

- **CAN/CSA-C49.1-M87 (R2003)**
Round Wire, Concentric Lay, Overhead Electrical Conductors

Certification and Testing (CSA International)

Informs Notices

| Date | Subject | Title |
|-------------------|--|------------------------|
| September 3, 2004 | Publication of Technical Information Letter No. D-30, covering interim certification requirements for closed transition transfer switches. | Switches No. 8 |
| September 3, 2004 | Publication of CSA standard C22.2 No. 262-04, <i>Optical Fiber Cable and Communication Cable Raceway Systems</i> . | Wire Products No. 9 |
| September 3, 2004 | Publication of CSA standard C22.2 No. 96.1-04, <i>Mine Power Feeder Cables</i> . | Wire and Cable No. 113 |

Certification Notices

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

| Effective Date | Subject | Title |
|--------------------|---|--|
| ► November 1, 2004 | Publication of Technical Information Letter No. B-74, covering interim certification requirements for energy efficiency verification of internally lighted exit signs. Technical Information Letter B-74 was developed to ensure compliance with the Government of Canada energy efficiency regulation concerning exit signs, effective November 1, 2004. | Verification Service Announcement No. 22 |
| ► November 1, 2004 | Publication of Technical Information Letter No. B-76, covering interim certification requirements for energy efficiency verification of AC powered exit signs. These exit signs are CSA Certified to CSA standard C22.2 No. 9.0-96, <i>General Requirements for Luminaires</i> . | Lighting Products No. 45 |
| ► November 1, 2004 | Publication of Technical Information Letter No. B-75, covering interim certification requirements for energy efficiency verification of AC/DC powered exit signs. These exit signs are CSA Certified to CSA standard C22.2 No. 141-02, <i>Unit Equipment for Emergency Lighting</i> . | Emergency Lighting Products No. 2 |
| November 15, 2004 | Publication of the eighth edition of CSA standard C22.2 No. 75-03, <i>Thermoplastic Insulated Wires and Cables</i> . | Wire and Cable No. 105 |

**Certification Notices (cont'd)**

| Effective Date | Subject | Title |
|-----------------------|--|--|
| December 1, 2004 | Publication of Technical Information Letter No. B-69, covering medium screw-base and candelabra-screw base lamps incorporating light-emitting diodes or miniature extra-low-voltage incandescent lamps connected in series, as the light source. | Lighting Products No. 43 |
| December 15, 2004 | Publication of Technical Information Letter No. J-33, covering interim certification requirements for expandable sleeving rated at 90 °C, 105 °C, 125 °C, 150 °C and 200 °C for bundling of insulated wires and cables. | Wire and Cable No. 110 |
| January 1, 2005 | Publication of Technical Information Letter No. B-71, announcing new requirements for neon transformers and power supplies. | Lighting Products No. 42 |
| January 1, 2005 | Extension of effective date for the new marking requirements in Clause 17.2.2 of CSA standard C22.2 No. 250.0-00/UL 1598, <i>Luminaires</i> , to show catalog number, model number, series, or other similar marking. (Supplemental to <i>Lighting Products Notice No. 35</i> .) | Lighting Products No. 35A |
| February 16, 2005 | Publication of the first edition of CSA standard C22.2 No. 18.4-04, <i>Hardware for the Support of Conduit, Tubing, and Cable</i> (bi-national standard with UL 2239). | Wiring Devices No. 29 |
| March 1, 2005 | Publication of the first edition of CSA standard C22.2 No. 227.2.1-04, <i>Liquid-Tight Flexible Nonmetallic Conduit</i> (bi-national standard with UL 1660). | Conduit No. 13 |
| March 1, 2005 | Publication of the first edition of CSA standard C22.2 No. 18.3, <i>Conduit, Tubing and Cable Fittings</i> (tri-national standard with ANCE NMX-J-017 and UL 514B). | Wiring Devices No. 28 |
| ► March 31, 2005 | Publication of amendment as Update No. 4 to CSA standard C22.2 No. 64-M91, <i>Household Cooking and Liquid-Heating Appliances</i> . | Household Cooking and Liquid Heating Appliances No. 14 |

Certification Notices (cont'd)

| Effective Date | Subject | Title |
|-----------------------|---|------------------------------------|
| April 1, 2005 | Publication of the eighth edition of CSA standard C22.2 No. 31-04, <i>Switchgear Assemblies</i> . This edition includes new requirements to add provision for: <ul style="list-style-type: none"> • lock-out features of high-voltage switches and circuit-breakers • lock-out of low-voltage switches and circuit-breakers • padlocking of automatic shutters in metal-clad switchgear with removable breakers. | Switchgear Assemblies No. 4 |
| May 24, 2005 | Publication of amendments to CSA standard C22.2 No. 112-97, <i>Electric Clothes Dryers</i> (bi-national with UL 2158). The amendment clarifies the marking requirements for a pressure wire connector intended for connection of an equipment-grounding conductor. | Appliances No. 3 |
| ▶ August 1, 2005 | Publication of the fifth edition of CSA standard C22.2 No. 56-04, <i>Flexible Metal Conduit and Liquid-Tight Flexible Metal Conduit</i> . | Wiring Devices No. 30 |
| September 30, 2005 | Publication of the second edition of CSA standard C22.2 No. 235, <i>Supplementary Protectors</i> . | Power Distribution Equipment No. 1 |
| ▶ November 1, 2005 | Publication of the sixth edition of CSA standard C22.2 No. 100-04, <i>Motors and Generators</i> . | Motors and Generators No. 4 |
| November 15, 2005 | Publication of the fourth edition of CSA standard C22.2 No. 65, <i>Wire Connectors</i> . | Wiring Devices No. 25 |
| March 1, 2007 | Publication of CAN/CSA-C22.2 No. 60065:03, <i>Audio, Video and Similar Electronic Apparatus—Safety Requirements</i> (Adopted CEI/IEC 60065:2001, with Canadian deviations). | Audio and Video Equipment No. 16 |
| January 1, 2010 | Changes to the withdrawal dates of standards C22.2 No. 1-98, UL 469, UL 813 and UL 1492. | Audio and Video Equipment No. 16 |
| 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. These are adoptions of the identically numbered IEC standards.). | Electrical Tools No. 15 |



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

B140.4-04, 3rd edition

Oil-Fired Warm Air Furnaces \$60

This standard applies to complete, vent- (flue-) connected, oil-fired warm air appliances, regardless of the heating capacity or the type of burner used.

This standard applies to appliances that are:

- intended for installation with the base of the appliance placed on the floor
- intended to be used with pipes or ducts for the distribution of the heated air employing forced circulation of the heated air.

This standard also applies to the following:

- downflow furnaces
- duct furnaces
- horizontal furnaces
- in-line furnaces
- unit heaters
- upflow furnaces.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

Z662-03, 4^e édition

Réseaux de canalisations de pétrole et de gaz 350 \$

Cette norme traite de la conception, de la construction, de l'exploitation et de l'entretien des réseaux de canalisations des industries pétrolière et gazière qui transportent :

- les hydrocarbures liquides, y compris le pétrole brut, les fluides multiphasés, les condensats, les dérivés liquides du pétrole et du gaz naturel, et les gaz de pétrole liquéfiés
- les eaux de gisement
- la vapeur utilisée pour la mise en valeur de champs pétroliers
- le dioxyde de carbone utilisé pour la récupération assistée du pétrole
- le gaz.

Note : Les concepteurs doivent noter que cette norme peut ne pas convenir à des gaz autres que le gaz naturel, le gaz manufacturé, ou le gaz naturel synthétique.

Reaffirmed Standards

N286.3-99 (R2004)

Construction Quality Assurance for Nuclear Power Plants



Under Development

Notice of Intent

For more information about the proposed development of the following new projects, contact Sam Loggia at 416-747-2575 or sam.loggia@csa.ca:

- **C368.1, 3rd edition**
Performance Standard for Room Air Conditioners
- **C746, 3rd edition**
Performance Standard for Rating Large Air Conditioners and Heat Pumps
- **C828, 2nd edition**
Performance Requirements for Thermostats Used with Individual Room Electric Space Heating Devices

Certification and Testing (CSA International)

Informs Notices

| Date | Subject | Title |
|------------------|--|--|
| October 18, 2004 | Publication of CSA standard C863-04, <i>Energy Efficiency Verification of HID and LPS Lamp Ballasts</i> . Ballasts evaluated in accordance with the requirements of C863-04 and CSA's <i>Guide to the CSA Energy Efficiency Verification Service</i> , are eligible to bear the CSA Energy Efficiency Verification Mark. | Verification Service Announcement No. 23 |

Completed Projects / Projets terminés

Reaffirmed Standards

CAN/CSA-ISO 14021-00 (R2004)

Environmental Labels and Declarations—Self-Declared Environmental Claims (Type II Environmental Labelling) (Adopted ISO 14021:1999, first edition, without modification)

CAN/CSA-ISO 14024-99 (R2004)

Environmental Labels and Declarations—Type I Environmental Labelling—Principles and Procedures (Adopted ISO 14024:1999, first edition, without modification)

CAN/CSA-ISO 14031-00 (R2004)

Environmental Management—Environmental Performance Evaluation—Guidelines (Adopted ISO 14031:1999, first edition, without modification)

CAN/CSA-ISO 14032-00 (R2004)

Environmental Management—Examples of Environmental Performance Evaluation (EPE) (Adopted ISO 14032:1999, first edition, without modification)

CAN/CSA-ISO/TR 14061-00 (R2004)

Information to Assist Forestry Organizations in the Use of Environmental Management System Standards ISO 14001 and 14004 (Adopted ISO/TR 14061:1998, first edition, without modification)

Under Development

Proposed Reaffirmation of Standards

For more information about the proposed reaffirmation of the following standard, contact Darryl Neate at 416-747-2539 or darryl.neate@csa.ca:

- **CAN/CSA-ISO 14020-99**
Environmental Labels and Declarations—General Principles
(Adopted ISO 14020:1998)

Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

ANSI Z21.10.1-2004/CSA 4.1-2004, 3rd edition

Gas Water Heaters, Volume I, Storage Water Heaters with Input

Ratings of 75,000 Btu per Hour or Less \$820

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.

ANSI Z21.13-2004/CSA 4.9-2004, 2nd edition

Gas-Fired Low Pressure Steam and Hot Water Boilers \$750

This standard details test and examination criteria for Category I, Category II, Category III and Category IV low-pressure steam and hot water boilers for use with natural, manufactured and mixed gases, liquefied petroleum gases, and LP gas-air mixtures. A *boiler* is defined in the standard as a boiler operating at or below the following pressures or temperatures:

- steam heating boiler–15 psi (103.42 kPa) steam pressure
- hot water heating or supply boiler–160 psi (1.10 mPa) water pressure, 250°F (121°C) water temperature.

Amendments

ANSI Z21.11.2b-2004

Addenda B to “Gas-Fired Room Heaters, Volume II, Unvented Room Heaters” \$95

This document provides revisions to ANSI Z21.11.2-2002 and ANSI Z21.11.2a-2003.

ANSI Z21.56b-2004/CSA 4.7b-2004

Addenda B to “Gas-Fired Pool Heaters” \$75

This document provides revisions to ANSI Z21.56-2001/CSA 4.7-2001 and ANSI Z21.56a-2004/CSA 4.7a-2004.

ANSI Z21.77b-2004/CGA 6.23b-2004

Addenda B to “Manually Operated Piezo-Electric Spark Gas Ignition Systems and Components” \$75

This document provides revisions to ANSI Z21.77-1995 (R2002)/CGA 6.23-1995 and ANSI Z21.77a-1997 (R2002)/CGA 6.23a-1997.

ANSI Z21.84b-2004

Addenda B to “Manually Lighted, Natural Gas Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces” \$80

This document provides revisions to ANSI Z21.84-2002 and ANSI Z21.84a-2003.



Amendments (cont'd)

ANSI Z21.91b-2004

Addenda B to “Ventless Firebox Enclosures for Gas-Fired Unvented Decorative Room Heaters” \$80

This document provides revisions to ANSI Z21.91-2001 and ANSI Z21.91a-2002.

Under Development

Notice of Intent

For more information about the proposed development of the following new project, contact Ken Bales at 416-747-2647 or ken.bales@csa.ca:

- **B149PR**
B149 Series Pocket Reference

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, 2005 | Publication of ANSI Z21.86-2004/CSA 2.32-2004, <i>Vented Gas-Fired Space Heating Appliances</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.86-2000/CSA 2.32-2000, ANSI Z21.86a-2002/CSA 2.32a-2002, and ANSI Z21.86b-2002/CSA 2.32b-2002. | Gas Products No. 30 |
| January 1, 2005 | Publication of addenda ANSI Z21.88a-2003/CSA 2.33a-2003, <i>Vented Gas Fireplace Heaters</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.88-2002/CSA 2.33-2002. | Gas Products No. 15 |
| January 1, 2005 | Publication of addenda ANSI Z21.88b-2003/CSA 2.33b-2003, <i>Vented Gas Fireplace Heaters</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.88-2002/CSA 2.33-2002 and Z21.88a-2003/CSA 2.33a-2003. | Gas Products No. 26 |



Certification Notices (cont'd)

| Effective Date | Subject | Title |
|------------------|--|---------------------|
| January 1, 2005 | Publication of ANSI Z21.50-2003/CSA 2.22-2003, <i>Vented Gas Fireplaces</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.50-2000/CSA 2.22-2000, ANSI Z21.50a-2001/CSA 2.22a-2001 and ANSI Z21.50b-2002/CSA 2.22b-2002. | Gas Products No. 16 |
| January 1, 2005 | Publication of addenda ANSI Z21.50a-2003/CSA 2.22a-2003, <i>Vented Gas Fireplaces</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.50-2003/CSA 2.22-2003. | Gas Products No. 27 |
| February 1, 2005 | Publication of addenda ANSI Z21.10.3a-2003/CSA 4.3a-2003, <i>Gas Water Heaters, Volume III, Storage Water Heaters With Input Above 75,000 BTU per Hour, Circulating and Instantaneous</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.10.3-2001/CSA 4.3-2001. | Gas Products No. 29 |
| February 1, 2005 | Publication of addenda ANSI Z21.13b-2003/CSA 4.9b-2003, <i>Gas-Fired Low Pressure Steam and Hot Water Boilers</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.13-2000/CSA 4.9-2000 and ANSI Z21.13a-2002/CSA 4.9a-2002. | Gas Products No. 13 |
| March 1, 2005 | Publication of addenda ANSI Z83.20b-2004/CSA 2.34b-2004, <i>Gas-Fired Low-Intensity Infrared Heaters</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z83.20-2001/CSA 2.34-2001 and ANSI Z83.20a-2003/CSA 2.34a-2003. | Gas Products No. 33 |
| March 1, 2005 | Extension of effective date for compliance with the requirements of ANSI Z21.11.2-2002 and ANSI Z21.11.2a-2003. | Gas Products No. 34 |
| April 1, 2005 | Publication of addenda ANSI Z21.78b-2004/CSA 6.20b-2004, <i>Combination Gas Controls for Gas Appliances</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.78-2000/CSA 6.20-2000 and ANSI Z21.78a-2001/CSA 6.20a-2001. | Gas Products No. 20 |

**Certification Notices (cont'd)**

| Effective Date | Subject | Title |
|-----------------------|--|---------------------|
| April 1, 2005 | Publication of addenda ANSI Z83.18b-2003, <i>Recirculating Direct Gas-Fired Industrial Air Heaters</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z83.18-2000 and ANSI Z83.18a-2001. | Gas Products No. 17 |
| May 1, 2005 | Publication of ANSI Z83.4-2003/CSA 3.7-2003, <i>Non-Recirculating Direct Gas-Fired Industrial Air Heaters</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.83.4-1999/CSA 3.7-M99, ANSI Z21.83.4a-2001/CSA 3.7a-2001, and ANSI Z21.83.4b-2002/CSA 3.7b-2002. | Gas Products No. 32 |
| May 1, 2005 | Publication of addenda ANSI Z83.8a-2003/CSA 2.6a-2003, <i>Gas Unit Heaters and Gas-Fired Duct Furnaces</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z83.8-2002/CSA 2.6-2002. | Gas Products No. 18 |
| June 1, 2005 | Publication of ANSI Z21.41-2003/CSA 6.9-2003, <i>Quick Disconnect Devices for Use with Gas Fuel</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.41-1998/CSA 6.9-1998, ANSI Z21.41a-2001/CSA 6.9a-2001, and ANSI Z21.41b-2002/CSA 6.9b-2002. | Gas Products No. 31 |
| June 1, 2005 | Publication of addenda ANSI Z21.90a-2003/CSA 6.24a-2003, <i>Gas Convenience Outlets and Optional Enclosures</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.90-2001/CSA 6.24-2001. | Gas Products No. 21 |
| June 1, 2005 | Publication of addenda ANSI Z21.81b-2003/CSA 6.25b-2003, <i>Cylinder Connection Devices</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.81-1997/CSA 6.25-M97 and ANSI Z21.81a-1998/CSA 6.25a-M98. | Gas Products No. 22 |
| June 1, 2005 | Publication of addenda ANSI Z21.1b-2003, <i>Household Cooking Gas Appliances</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.1-2000 and ANSI Z21.1a-2003. | Gas Products No. 24 |

**Certification Notices (cont'd)**

| Effective Date | Subject | Title |
|-----------------------|---|---------------------|
| June 1, 2005 | Publication of addenda ANSI Z21.89b-2004/ CSA 1.18b-2004, <i>Outdoor Cooking Specialty Gas Appliances</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.89-2002/CSA 1.18-2002 and ANSI Z21.89a-2003/ CSA 1.18a-2003. | Gas Products No. 25 |
| June 1, 2005 | Publication of addenda ANSI Z21.5.2b-2003/ CSA 7.2b-2003, <i>Gas Clothes Dryers, Volume II, Type 2 Clothes Dryers</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.5.2-2001/CSA 7.2-2001 and ANSI Z21.5.2a-2003/CSA 7.2a-2003. | Gas Products No. 14 |
| October 1, 2005 | Publication of addenda ANSI Z83.11a-2004/ CSA 1.8a-2004, <i>Gas Food Service Equipment</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z83.11-2002/CSA 1.8-2002. | Gas Products No. 37 |



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

B651-04, 3rd edition

Accessible Design for the Built Environment \$95

This standard specifies technical requirements on how to make buildings and other facilities accessible and safely usable by persons with physical, sensory, or cognitive disabilities.

This standard describes technical requirements that can be used in the design and construction of new facilities or modifications to existing facilities. This standard does not address the application of the technical requirements. The extent to which these requirements have to be applied is the responsibility of other authorities having jurisdiction.

Z32-04, 2nd edition

Electrical Safety and Essential Electrical Systems in Health Care Facilities \$40

This standard deals with the following subjects:

- electrical safety associated with health care provision
- electrical installations for health care facilities
- essential electrical systems for health care facilities.

The installation requirements specified in this standard supplement the installation requirements specified in Sections 24 and 52 of the *Canadian Electrical Code, Part I*.

Amendments

CAN/CSA-B622-03

Selection and Use of Highway Tanks, Multi-Unit Tank Car Tanks, and Portable Tanks for the Transportation of Dangerous Goods, Class 2

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

CAN/CSA-D409-02

Motor Vehicles for the Transportation of Persons with Physical Disabilities

Revision of the Contents and Clauses 6.3.1.6, 6.4.1, 6.4.2, 6.7.1, 6.7.3, 6.8.2.3, and 9.2.1.

CAN/CSA-Z262.7-04

Guidelines for Spectator Safety in Indoor Arenas

Revision of Clause 5.2.2.



Amendments (cont'd)

CAN/CSA-Z275.4-02

Competency Standard for Diving Operations

Revision of the Contents and Clause 2.2. Addition of Clauses 27, 28 and 29.

CAN/CSA-Z614-03

Children's Playspaces and Equipment

Revision of Clauses 13.1.4.1 and 13.4.4.2. Addition of Clause 13.4.4.6.

Modifications publiées en français

CAN/CSA-B622-03

Sélection et utilisation des citernes routières, des citernes routières à éléments multiples et des citernes amovibles pour le transport des marchandises dangereuses de la classe 2

Des modifications ont été apportées à la première de couverture, à la deuxième de couverture ainsi qu'à la page titre.

CAN/CSA-D409-02

Véhicules automobiles pour le transport des personnes handicapées

Des modifications ont été apportées à la table des matières, et aux articles 6.3.1.6, 6.4.1, 6.4.2, 6.7.1, 6.7.3, 6.8.2.3 et 9.2.1.

CAN/CSA-Z262.7-04

Lignes directrices visant la sécurité des spectateurs dans les stades intérieurs

Des modifications ont été apportées à l'article 5.2.2.

CAN/CSA-Z275.4-02

Norme de compétence pour les opérations de plongée

Des modifications ont été apportées à la table des matières et à l'article 2.2. Les chapitres 27 à 29 ont été ajoutés.

CAN/CSA-Z614-03

Aires et équipement de jeu

Des modifications ont été apportées aux articles 13.1.4.1 et 13.4.4.2. L'article 13.4.4.6 a été ajouté.

Reaffirmed Standards

B52-99 (R2004)

Mechanical Refrigeration Code

CAN/CSA-M664-94 (R2004)

Brake Coupler Interface Between Agricultural Tractors and Towed Equipment

CAN/CSA-M665.2-95 (R2004)

Operator Controls on Agricultural Machinery—Actuating Forces

CAN/CSA-M665.3-95 (R2004)

Operator Controls on Agricultural Machinery—Colour Coding

CAN/CSA-M4252-94 (R2004)

Agricultural Tractors—Operator's Workplace, Access and Exit—Dimensions
(Adopted ISO 4252:1992, second edition, without modification)

CAN/CSA-Z32-99 (R2004)

Electrical Safety and Essential Electrical Systems in Health Care Facilities

CAN/CSA-Z259.1-95 (R2004)

Safety Belts and Lanyards

Z259.3-M1978 (R2004)

Lineman's Body Belt and Lineman's Safety Strap

CAN/CSA-Z5360-94 (R2004)

Anaesthetic Vaporizers—Agent-Specific Filling Systems
(Adopted ISO 5360:1993, first edition, without modification)

Under Development

Notice of Intent

For more information about the proposed development of the following new projects, contact Mike Dodd at 416-747-2322 or mike.dodd@csa.ca:

- **ISO 8835-4:2004 (to be published as CAN/CSA-Z8835-4)**
Inhalational Anaesthesia Systems—Part 4: Anaesthetic Vapour Delivery Devices
- **ISO 8835-5:2004 (to be published as CAN/CSA-Z8835-5)**
Inhalational Anaesthesia Systems—Part 5: Anaesthetic Ventilators
- **ISO 10651-2:2004 (to be published as CAN/CSA-Z10651-2)**
Lung Ventilators for Medical Use—Particular Requirements for Basic Safety and Essential Performance—Part 2: Home-Care Ventilators for Ventilator-Dependent Patients
- **ISO 10651-6:2004 (to be published as CAN/CSA-Z10651-6)**
Lung Ventilators for Medical Use—Particular Requirements for Basic Safety and Essential Performance—Part 6: Home-Care Ventilatory Support Devices



Notice of Intent (cont'd)

For more information about the proposed development of the following new project, contact Dave Shanahan at 416-747-2586 or dave.shanahan@csa.ca:

- **B352.0, 2nd edition**
Rollover Protective Structures (ROPS) for Agricultural, Construction, Earth Moving, Forestry, Industrial and Mining Machines: Part 1—General Requirements

Drafts for Public Review

Please note: Public comments about draft standards, proposed amendments, proposed adoptions and proposed endorsements listed in this issue are due by January 3, 2005.

Draft Standards

To receive copies of the following draft standard, or to offer comments, contact Jeet Tulshi at 416-747-2603 or totaram.tulshi@csa.ca:

- **B51S1**
Supplement No. 1 to B51-03, “Boiler, Pressure Vessel, and Pressure Piping Code”

Proposed Withdrawal of Standards

For more information about the proposed withdrawal of CSA’s endorsement of the following ISO standards, contact George Schidowka at 416-747-2743 or george.schidowka@csa.ca:

- **ISO 1559:1995**
Dental Materials—Alloys for Dental Amalgam
- **ISO 1560:1985**
Dental Mercury
- **ISO 1561:1995**
Dental Casting Wax
- **ISO 1562:1993**
Dental Casting Gold Alloys
- **ISO 1567:1999**
Dentistry—Denture Base Polymers
- **ISO 1797-1:1992**
Dental Rotary Instruments—Shanks—Part 1: Shanks Made of Metals
- **ISO 1797-2:1992**
Dental Rotary Instruments—Shanks—Part 2: Shanks Made of Plastics
- **ISO 2157:1992**
Dental Rotary Instruments—Nominal Diameters and Designation Code Number

Proposed Withdrawal of Standards (cont'd)

- **ISO 3107:1988**
Dental Zinc Oxide/Eugenol Cements and Zinc Oxide Non-Eugenol Cements
- **ISO 3336:1993**
Dentistry—Synthetic Polymer Teeth
- **ISO 3630-1:1992**
Dental Root-Canal Instruments—Part 1: Files, Reamers, Barbed Broaches, Rasps, Paste Carriers, Explorers and Cotton Broaches
- **ISO 3630-3:1994**
Dental Root Canal Instruments—Part 3: Condensers, Pluggers and Spreaders
- **ISO 3665:1996**
Photography—Intra-Oral Dental Radiographic Film—Specification
- **ISO 3823-1:1997**
Dental Rotary Instruments—Burs—Part 1: Steel and Carbide Burs
- **ISO 3823-2:1986**
Dental Rotary Instruments—Part 2: Steel and Carbide Finishing Burs
- **ISO 3950:1984**
Dentistry—Designation System for Teeth and Areas of the Oral Cavity
- **ISO 4073:1980**
Dental Equipment—Items of Dental Equipment at the Working Place—Identification System
- **ISO 4824:1993**
Dentistry—Ceramic Denture Teeth
- **ISO 5799:1991**
Photography—Direct-Exposing Medical and Dental Radiographic Film/Process Systems—Determination of ISO Speed and ISO Average Gradient
- **ISO 6360-1:1985**
Dental Rotary Instruments—Number Coding System—Part 1: General Characteristics
- **ISO 6360-2:1986**
Dental Rotary Instruments—Number Coding System—Part 2: Shape and Specific Characteristics
- **ISO 6871-1:1994**
Dental Base Metal Casting Alloys—Part 1: Cobalt-Based Alloys
- **ISO 6871-2: 1994**
Dental Base Metal Casting Alloys—Part 2: Nickel-Based Alloys
- **ISO 6872:1995**
Dental Ceramic
- **ISO 6873:1998**
Dental Gypsum Products



Proposed Withdrawal of Standards (cont'd)

- **ISO 6874:1998**
Dental Resin-Based Pit and Fissure Sealants
- **ISO 6875:1995**
Dental Patient Chair
- **ISO 6877:1995**
Dental Root-Canal Obturating Points
- **ISO 7405:1997**
*Dentistry—Preclinical Evaluation of Biocompatibility of Medical Devices Used in Dentistry—
Test Methods for Dental Materials*
- **ISO 7488:1991**
Dental Amalgamators
- **ISO 7492:1997**
Dental Explorers
- **ISO 7493:1997**
Dental Operator's Stool
- **ISO 7494: 1996**
Dental Units
- **ISO 7551:1996**
Dental Absorbent Points
- **ISO 7711-1: 1997**
*Dental Rotary Instruments—Diamond Instruments—Part 1: Dimensions, Requirements,
Marking and Packaging*
- **ISO 7711-2:1992**
Dental Rotary Instruments—Diamond Instruments—Part 2: Discs
- **ISO 7711-3:1992**
*Dental Rotary Instruments—Diamond Instruments—Part 3: Grit Sizes, Designation and
Colour Code*
- **ISO 7785-1:1997**
Dental Handpieces—Part 1: High-Speed Air Turbine Handpieces
- **ISO 7785-2:1995**
Dental Handpieces—Part 2: Straight and Geared Angle Handpieces
- **ISO 7787-1:1984**
Dental Rotary Instruments—Cutters—Part 1: Steel Laboratory Cutters
- **ISO 7787-3: 1991**
Dental Rotary Instruments—Cutters—Part 3: Carbide Laboratory Cutters for Milling Machines
- **ISO 8282:1994**
Dental Equipment—Mercury and Alloy Mixers and Dispensers

Proposed Withdrawal of Standards (cont'd)

- **ISO 8385: 1985**
Dental Rotary Instruments—Test Methods
- **ISO 8627:1987**
Dentistry—Stiffness of the Tufted Area of Toothbrushes
- **ISO 8891:1998**
Dental Casting Alloys with Noble Metal Content of at Least 25% But Less Than 75%
- **ISO 9168:1991**
Dental Handpieces—Hose Connectors
- **ISO 9173-1: 1991**
Dental Extraction Forceps—Part 1: Screw and Pin Joint Types
- **ISO 9333:1990**
Dental Brazing Materials
- **ISO 9680:1993**
Dental Operating Light
- **ISO 9687:1993**
Dental Equipment—Graphical Symbols
- **ISO 9693: 1991**
Dental Ceramic Fused to Metal Restorative Materials
- **ISO 9694:1996**
Dentistry Phosphate-Bonded Casting Investments
- **ISO 9873:1998**
Dental Hand Instruments—Reusable Mirrors and Handles
- **ISO 9917:1991**
Dental Water-Based Cements
- **ISO 9917-2: 1998**
Dental Water-Based Cements—Part 2: Light-Activated Cements
- **ISO 9997:1990**
Dental Cartridge Syringes
- **ISO 10139-1:1991**
Dentistry—Resilient Lining Materials for Removable Dentures—Part 1: Short-Term Materials
- **ISO 10323:1991**
Dental Rotary Instruments—Bore Diameters for Discs and Wheels
- **ISO/TR 10451: 1991**
Dental Implants—State of the Art—Survey of Materials
- **ISO 10477:1992**
Dentistry—Polymer-Based Crown and Bridge Materials



Proposed Withdrawal of Standards (cont'd)

- **ISO 11144:1995**
Dental Equipment—Connections for Supply and Waste Lines
- **ISO 11244:1998**
Dental Brazing Investments
- **ISO 11245:1999**
Dental Restorations—Phosphate-Bonded Refractory Die Materials
- **ISO 11246:1996**
Dental Ethyl Silicate-Bonded Casting Investments
- **ISO/Tr 11405:1994**
Dental Materials—Guidance on Testing of Adhesion to Tooth Structure
- **ISO 11498:1997**
Dental Handpieces—Dental Low-Voltage Electrical Motors
- **ISO 11499:1997**
Dental Cartridges for Local Anaesthetics
- **ISO 11609:1995**
Dentistry—Toothpastes—Requirements, Test Methods and Marking
- **ISO 12163:1999**
Dental Baseplate/Modeling Wax
- **ISO 13294:1997**
Dental Handpieces—Dental Air-Motors
- **ISO 13295:1994**
Dental Rotary Instruments—Mandrels
- **ISO 13397-1:1995**
Periodontal Curettes, Dental Scalers and Excavators—Part 1: General Requirements
- **ISO 13397-2:1996**
Periodontal Curettes, Dental Scalers and Excavators—Part 2: Peridontal Curettes—GR-Type
- **ISO 13397-3:1996**
Periodontal Curettes, Dental Scalers and Excavators—Part 3: Dental Scalers—H-Type
- **ISO 13397-4:1997**
Periodontal Curettes, Dental Scalers and Excavators—Part 4: Dental Excavators—Discoid-Type
- **ISO/TR 13668:1998**
Digital Coding of Oral Health and Care
- **ISO 13716:1999**
Dentistry—Reversible-Irreversible Hydrocolloid Impression Material Systems
- **ISO 14727-2:1998**
Dental Implants—Prefabricated Parts Connecting Suprastructures to Dental Implants—Contents of Technical File

Certification and Testing (CSA International)

Informs Notices

| Date | Subject | Title |
|--------------------|---|---------------------------|
| September 20, 2004 | Extension of the program to include escalator brake systems certified to the US Elevator Safety Code (ASME A17.1) and update of Elevator Certification Notice No. 1A to reference the new harmonized edition of CSA standard B44-00, <i>Safety Code for Elevators</i> . | Elevator Equipment No. 1B |
| September 20, 2004 | Publication of Technical Information Letter No. M-05, covering interim certification requirements for elevator oil buffers. | Elevator Equipment No. 8 |
| September 30, 2004 | Publication of Technical Information Letter No. D-14C2, covering interim certification requirements for door or gate interlock contacts and door or gate combination mechanical locks and electrical contacts for use in lifts for persons with physical disabilities. | Elevator Equipment No. 10 |
| September 30, 2004 | Publication of Technical Information Letter No. D-14C3, covering interim certification requirements for operating devices, electrical protective switches, auxiliary electrical equipment and miscellaneous control equipment for lifts for persons with physical disabilities. | Elevator Equipment No. 11 |
| September 30, 2004 | Publication of Technical Information Letter no. d-14c4, covering interim certification requirements for enclosed and unenclosed vertical platform lifts, stair chair lifts, and enclosed and unenclosed stair platform lifts for persons with physical disabilities. | Elevator Equipment No. 12 |
| September 30, 2004 | Publication of Technical Information Letter No. D-11B, covering interim certification requirements for elevator landing and hoist-way door interlocks, combination mechanical locks and electrical contacts, locking devices and electric contacts, car-door interlocks and gate electric contacts. | Elevator Equipment No. 13 |
| September 30, 2004 | Publication of Technical Information Letter No. D-18A, covering interim certification requirements for hydraulic control valves intended for installation in elevating systems in accordance with the elevator safety code, CSA standard B44. | Elevator Equipment No. 14 |



Certification Notices

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

| Effective Date | Subject | Title |
|-----------------------|--|--|
| December 1, 2004 | Publication of CSA standard CAN/CSA-Z195-02, <i>Protective Footwear</i> , and Update No. 1, June 2002, and No. 2, March 2003, providing new certification requirements. | Occupational Health and Safety Products No. 40 |
| January 1, 2005 | Publication of the second edition of CAN/CSA-C22.2 No. 60601 Part 2 series standards (adoptions of IEC 60601 Part 2 standards). These Part 2 standards contain particular requirements that amend and supplement CAN/CSA-C22.2 No. 60601-1-1:02, <i>Medical Electrical Equipment—Part 1: General Standard</i> (Adopted CEI/IEC 60601-1-1:2000, without modification). (Supersedes Certification Notices <i>Health Care Equipment</i> Nos. 11, 13, 14, and 17.) | Health Care Equipment No. 18 |
| January 1, 2005 | Publication of CSA standard CAN/CSA-Z76.1-99, <i>Reclosable Child-Resistant Packages</i> , and Technical Information Letter No. MHC-09, providing additional requirements for child protocol testing. | Health Care Equipment No. 16 |
| ► September 30, 2005 | Publication of Technical Information Letter No. D-14C1, covering interim certification requirements for controllers for use in lifts for persons with physical disabilities. (Supersedes Technical Information Letter No. D-14B.) | Elevator Equipment No. 9 |



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

CAN/CSA-ISO 10002:04, 1st edition

Quality Management–Customer Satisfaction–Guidelines for Complaints Handling in Organizations (Adopted ISO 10002:2004, first edition, without modification) \$100

This standard provides guidance on the process of complaints handling related to products within an organization, including planning, design, operation, maintenance and improvement. The complaints-handling process described is suitable for use as one of the processes of an overall quality management system.

This standard is intended for use by organizations of all sizes and in all sectors.

This standard addresses the following aspects of complaints handling:

- enhancing customer satisfaction by creating a customer-focused environment that is open to feedback (including complaints), resolving any complaints received, and enhancing the organization's ability to improve its product and customer service
- top management involvement and commitment through adequate acquisition and deployment of resources, including personnel training
- recognizing and addressing the needs and expectations of complainants
- providing complainants with an open, effective and easy-to-use complaints process
- analyzing and evaluating complaints in order to improve the product and customer service quality
- auditing of the complaints-handling process
- reviewing the effectiveness and efficiency of the complaints-handling process.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

CAN/CSA-ISO 10002:04, 1^{re} édition

Management de la qualité–Satisfaction des clients–Lignes directrices pour le traitement des réclamations dans les organismes (norme ISO 10002:2004, première édition, adoptée sans modification) 100 \$

Cette norme fournit des conseils sur le processus de traitement des réclamations relatif aux produits au sein d'un organisme, parmi lesquels on trouve la planification, la conception, le fonctionnement, la mise à jour et les améliorations. Le processus de traitement des réclamations décrit est destiné à être utilisé en tant que l'un des processus d'un système de management de la qualité global.

Cette norme destinée à être utilisée par des organismes de toute taille et de tout secteur.



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

CAN/CSA-ISO 10002:04 (suite)

Cette norme aborde les aspects suivants du traitement des réclamations :

- amélioration de la satisfaction du client en créant un environnement orienté client qui est ouvert aux retours d'informations des clients (y compris aux réclamations), en s'engageant à les résoudre tout en renforçant la capacité de l'organisme à améliorer ses produits et son service au client
- implication et engagement de la direction par le biais de l'acquisition et du déploiement appropriés des ressources, y compris la formation des employés
- reconnaissance et prise en compte des besoins et des attentes des réclamants
- mise à disposition des réclamants d'un processus de traitement des réclamations ouvert, efficace et simple d'emploi
- analyse et évaluation des réclamations visant à améliorer la qualité du produit et du service au client
- audits du processus de traitement des réclamations
- revues de l'efficacité et de l'efficience du processus de traitement des réclamations.

Under Development

Proposed Withdrawal of Standards

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

- **CAN/CSA-ISO 9004-2-94 (R2001)**
Quality Management and Quality System Elements—Part 2: Guidelines for Services
(Adopted ISO 9004-2:1991)
- **CAN/CSA-ISO 9004-3-94 (R2001)**
Quality Management and Quality System Elements—Part 3: Guidelines for Processed Materials (Adopted ISO 9004-3:1993)
- **CAN/CSA-ISO 9004-4-94 (R2001)**
Quality Management and Quality System Elements—Part 4: Guidelines for Quality Improvement (Adopted ISO 9004-4:1993)



Contact Information

To order CSA Standards and Information Products
call 1-800-463-6727, or visit our
Online Store at www.csa.ca.
Remember you can shop online anytime –
24 hours a day, 7 days a week.

Head Office

5060 Spectrum Way, Suite 100
Mississauga, Ontario
L4W 5N6
CANADA

Telephone: 416-747-4000
1-800-463-6727
Fax: 416-747-2475
email: info@csagroup.org

Edmonton – Sales

1707 94th Street NW
Edmonton, Alberta
T6N 1E6
CANADA

Tel: (780) 490-2007
1-800-463-6727
Fax: (780) 435-0998

Vancouver – Sales

13799 Commerce Parkway
Richmond, British Columbia
V6V 2N9
CANADA

Tel: (604) 244-6652
1-800-463-6727
Fax: (604) 244-6508

Membership

Telephone: 416-747-4044
1-800-463-6727
Fax: 416-747-2510
email: members@csa.ca

Mississauga – Sales

5060 Spectrum Way, Suite 100
Mississauga, Ontario
L4W 5N6
CANADA

Telephone: 416-747-4044
1-800-463-6727
Fax: 416-747-2510
email: sales@csa.ca

Montreal – Sales

865, rue Ellingham
Pointe-Claire, Quebec
H9R 5E8
CANADA

Tel: (514) 428-2418
1-800-463-6727
Fax: (514) 694-5001

Cleveland – Sales

8501 East Pleasant Valley Road
Cleveland, Ohio
44131-5575
USA

Tel: (216) 328-8103
1-800-463-6727
Fax: (216) 642-3463

Seminars & Training

Tel: (416) 747-4017
1-800-463-6727
Fax: (416) 747-4287
email: seminars@csa.ca