



**CANADIAN STANDARDS
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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.

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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.



Construction Products and Materials

[ASME A112.18.1-2005/CSA B125.1-05, 1st edition](#)

Plumbing Supply Fittings (bi-national with ASME A112.18.1-2005)

[ASME A112.18.2-2005/CSA B125.2-05, 1st edition](#)

Plumbing Waste Fittings (bi-national with ASME A112.18.2-2005)

[B125.3-05, 1st edition](#)

Plumbing Fittings



Electrical / Electronics

[C22.2 No. 38-05, 8th edition](#)

Thermoset-Insulated Wires and Cables (tri-national standard with NMX-J-451-ANCE, third edition and UL 44, sixteenth edition)

[C22.2 No. 210-05, 2nd edition](#)

Appliance Wiring Material Products

[C22.2 No. 244-05, 1st edition](#)

Thermoset-Insulated Wires and Cables (tri-national standard with NMX-J-118/2-ANCE, second edition and UL 891, eleventh edition)



Électricité et électronique

[C22.2 n° 0.4-04, 3^e édition](#)

Liaison à la terre par continuité des masses de l'appareillage électrique

[C22.2 n° 236-05, 3^e édition](#)

Matériel de chauffage et de refroidissement (norme binationale avec UL 1995, troisième édition)



Energy

[B836-05, 2nd edition](#)

Storage, Handling, and Dispensing of Aviation Fuels at Aerodromes

[N285.6 Series-05, 2nd edition](#)

Material Standards for Reactor Components for CANDU Nuclear Power Plants



Sciences de la Vie

[B335-04, 2^e édition](#)

Norme de sécurité pour les chariots élévateurs



Completed Projects / Projets terminés

Reaffirmed Standards

CAN/CSA-ISO/IEC 2382-8-01 (R2005)

Information technology—Vocabulary—Part 8: Security (Adopted ISO/IEC 2382-8:1998)

CAN/CSA-ISO/IEC 2382-16-01 (R2005)

Information technology—Vocabulary—Part 16: Information theory
(Adopted ISO/IEC 2382-16:1996)

CAN/CSA-ISO/IEC 2382-31-01 (R2005)

Information technology—Vocabulary—Part 31: Artificial intelligence—Machine learning
(Adopted ISO/IEC 2382-31:1997)

CAN/CSA-ISO/IEC 7501-3-01 (R2005)

Identification cards—Machine readable travel documents—Part 3: Machine readable official travel documents (Adopted ISO/IEC 7501-3:1997)

CAN/CSA-ISO/IEC 7942-1-01 (R2005)

Information technology—Computer graphics and image processing—Graphical Kernel System (GKS)—Part 1: Functional description (Adopted ISO/IEC 7942-1:1994)

CAN/CSA-ISO/IEC 8480-01 (R2005)

Information technology—Telecommunications and information exchange between systems—DTE/DCE interface back-up control operation using ITU-T recommendation v.24 interchange circuits (Adopted ISO/IEC 8480:1995)

CAN/CSA-ISO/IEC 8481-01 (R2005)

Information technology—Telecommunications and information exchange between systems—DTE to DTE direct connections (Adopted ISO/IEC 8481:1996)

CAN/CSA-ISO/IEC 8482-01 (R2005)

Information technology—Telecommunications and information exchange between systems—Twisted pair multipoint interconnections (Adopted ISO/IEC 8482:1993)

CAN/CSA-ISO/IEC 8632-1-01 (R2005)

Information technology—Computer graphics—Metafile for the storage and transfer of picture description information—Part 1: Functional specification (Adopted ISO/IEC 8632-1:1999)

CAN/CSA-ISO/IEC 8632-3-01 (R2005)

Information technology—Computer graphics—Metafile for the storage and transfer of picture description information—Part 3: Binary encoding (Adopted ISO/IEC 8632-3:1999)

CAN/CSA-ISO/IEC 8632-4-01 (R2005)

Information technology—Computer graphics—Metafile for the storage and transfer of picture description information—Part 4: Clear text encoding (Adopted ISO/IEC 8632-4:1999)



Reaffirmed Standards (cont'd)

CAN/CSA-ISO/IEC 10035-2-01 (R2005)

Information technology—Open systems interconnection—Connectionless protocol for the association control service element: Protocol Implementation Conformance Statement (PICS) proforma (Adopted ISO/IEC 10035-2:1995)

CAN/CSA-ISO/IEC 10036-01 (R2005)

Information technology—Font information interchange—Procedures for registration of font-related identifiers (Adopted ISO/IEC 10036:1996)

CAN/CSA-ISO/IEC 10116-01 (R2005)

Information technology—Security techniques—Modes of operation for an n-bit block cipher (Adopted ISO/IEC 10116:1997)

CAN/CSA-ISO/IEC 10164-14-01 (R2005)

Information technology—Open systems interconnection—Systems management: Confidence and diagnostic test categories (Adopted ISO/IEC 10164-14:1996)

CAN/CSA-ISO/IEC 10164-16-01 (R2005)

Information technology—Open systems interconnection—Systems management: Management knowledge management function (Adopted ISO/IEC 10164-16:1997)

CAN/CSA-ISO/IEC 10164-16A-01 (R2005)

Amendment 1:2001, “Extension for general relationship model”, to CAN/CSA-ISO/IEC 10164-16-01, “Information technology—Open systems interconnection—Systems management: Management knowledge management function” (Adopted Amendment 1:1998 to ISO/IEC 10164-16:1997)

CAN/CSA-ISO/IEC 10165-6-01 (R2005)

Information technology—Open systems interconnection—Structure of management information: Requirements and guidelines for implementation conformance statement proformas associated with OSI management (Adopted ISO/IEC 10165-6:1997)

CAN/CSA-ISO/IEC 10173-01 (R2005)

Information technology—Telecommunications and information exchange between systems—Interface connector and contact assignments for ISDN primary rate access connector located at reference points S and T (Adopted ISO/IEC 10173:1998)

CAN/CSA-ISO/IEC 10175-1-01 (R2005)

Information technology—Text and office systems—Document Printing Application (DPA)—Part 1: Abstract service definition and procedures (Adopted ISO/IEC 10175-1:1996)

CAN/CSA-ISO/IEC 10175-2-01 (R2005)

Information technology—Text and office systems—Document Printing Application (DPA)—Part 2: Protocol specification (Adopted ISO/IEC 10175-2:1996)



Reaffirmed Standards (cont'd)

CAN/CSA-ISO/IEC ISP 10608-7-01 (R2005)

Information technology—International standardized profile TAnnnn—Connection-mode transport service over connectionless-mode network service—Part 7: Security employing the network layer security protocol—Connectionless-mode for TAnnnn profiles
(Adopted ISO/IEC ISP 10608-7:1998)

CAN/CSA-ISO/IEC ISP 10608-8-01 (R2005)

Information technology—International standardized profile TAnnnn—Connection-mode transport service over connectionless-mode network service—Part 8: Security employing the network layer security protocol—Connection-mode with SDT-PDU based protection over X.25 packet switched data networks using virtual calls, for TA1111/TA1121 profiles
(Adopted ISO/IEC ISP 10608-8:1998)

CAN/CSA-ISO/IEC ISP 10608-13-01 (R2005)

Information technology—International standardized profile TAnnnn—Connection-mode transport service over connectionless-mode network service—Part 13: MAC sublayer and physical layer dependent requirements for a token ring LAN subnetwork
(Adopted ISO/IEC ISP 10608-13:1994)

CAN/CSA-ISO/IEC ISP 10609-9A-99 (R2005)

Amendment 1:2000, “Reference optional security requirements—TB/TC/TD/TEnn”, to CAN/CSA-ISO/IEC ISP 10609-9-99, “Information technology—International standardized profiles TB, TC, TD and TE—Connection-mode transport service over connection-mode network service—Part 9: Subnetwork type dependent requirements for network layer, data link layer and physical layer concerning permanent access to a packet switched data network using virtual calls” (Adopted Amendment 1:1998 to ISO/IEC ISP 10609-9:1992)

CAN/CSA-ISO/IEC ISP 10609-16-01 (R2005)

Information technology—International standardized profiles TB, TC, TD and TE—Connection-mode transport service over connection-mode network service—Part 16: Security employing the network layer security protocol—Connection-mode with no-header, for TB, TC, TD and TE profiles (Adopted ISO/IEC ISP 10609-16:1998)

CAN/CSA-ISO/IEC ISP 10609-17-01 (R2005)

Information technology—International standardized profiles TB, TC, TD and TE—Connection-mode transport service over connection-mode network service—Part 17: Security employing the network layer security protocol—Connection-mode, with SDT-PDU based protection, for TB/TC/TD/TEnn profiles (Adopted ISO/IEC ISP 10609-17:1998)

CAN/CSA-ISO/IEC ISP 10611-2-01 (R2005)

Information technology—International standardized profiles AMH1n—Message handling systems—Common messaging—Part 2: Specification of ROSE, RTSE, ACSE, presentation and session protocols for use by MHS (Adopted ISO/IEC ISP 10611-2:1997)



Reaffirmed Standards (cont'd)

CAN/CSA-ISO/IEC ISP 10613-7-01 (R2005)

Information technology—International standardized profile RA—Relaying the connectionless-mode network service—Part 7: PSDN subnetwork-dependent, media-dependent requirements for virtual calls over a permanent access (Adopted ISO/IEC ISP 10613-7:1994)

CAN/CSA-ISO/IEC ISP 10613-7B-01 (R2005)

Amendment 2:2001, “Reference optional security requirements specific to X.25 subnetworks—Rann.11n1”, to CAN/CSA-ISO/IEC ISP 10613-7-01, “Information technology—International standardized profile RA—Relaying the connectionless-mode network service—Part 7: PSDN subnetwork-dependent, media-dependent requirements for virtual calls over a permanent access” (Adopted Amendment 2:1998 to ISO/IEC ISP 10613-7:1994)

CAN/CSA-ISO/IEC ISP 10613-19-01 (R2005)

Information technology—International standardized profile RA—Relaying the connectionless-mode network service—Part 19: Security employing the network layer security protocol—Connectionless-mode, for RAnn.nn profiles (Adopted ISO/IEC ISP 10613-19:1998)

CAN/CSA-ISO/IEC ISP 10613-20-01 (R2005)

Information technology—International standardized profile RA—Relaying the connectionless-mode network service—Part 20: Security employing the network layer security protocol—Connection-mode with SDT-PDU based protection over X.25 packet switched data networks using virtual calls, for RA1111/RA1121 profiles (Adopted ISO/IEC ISP 10613-20:1998)

CAN/CSA-ISO/IEC ISP 10615-5-01 (R2005)

Information technology—International standardized profiles ADInn—OSI directory—Part 5: ADI31—DUA support for distributed operations (Adopted ISO/IEC ISP 10615-5:1998)

CAN/CSA-ISO/IEC ISP 10615-6-01 (R2005)

Information technology—International standardized profiles ADInn—OSI directory—Part 6: ADI32—DSA support for distributed operations (Adopted ISO/IEC ISP 10615-6:1998)

CAN/CSA-ISO/IEC 10728C-95 (R2005)

Amendment 3:2000, “CORBA IDL binding”, to CAN/CSA-ISO/IEC 10728-95, “Information technology—Information Resource Dictionary System (IRDS) services interface” (Adopted Amendment 3:1996 to ISO/IEC 10728:1993)

CAN/CSA-ISO/IEC 10728D-95 (R2005)

Amendment 4:2000, “RPC IDL binding”, to CAN/CSA-ISO/IEC 10728-95, “Information technology—Information Resource Dictionary System (IRDS) services interface” (Adopted Amendment 4:1998 to ISO/IEC 10728:1993)

CAN/CSA-ISO/IEC 10746-4-01 (R2005)

Information technology—Open distributed processing—Reference model: Architectural semantics (Adopted ISO/IEC 10746-4:1998)



Reaffirmed Standards (cont'd)

CAN/CSA-ISO/IEC ISP 11186-1-01

Information technology—International standardized profiles FVT3nn—Virtual terminal basic class—Register of attribute assignment type definitions—Part 1: FVT321—Font assignment type no. 1 (Adopted ISO/IEC ISP 11186-1:1996)

CAN/CSA-ISO/IEC ISP 11186-2-01 (R2005)

Information technology—International standardized profiles FVT3nn—Virtual terminal basic class—Register of attribute assignment type definitions—Part 2: FVT311—Repertoire assignment type for ISO/IEC 10646 (Adopted ISO/IEC ISP 11186-2:1996)

CAN/CSA-ISO/IEC ISP 11187-1-01 (R2005)

Information technology—International standardized profiles AVT1n, AVT2n—Virtual terminal basic class—Application profiles—Part 1: Common VT protocol requirements (Adopted ISO/IEC ISP 11187-1:1996)

CAN/CSA-ISO/IEC ISP 11187-2-01

Information technology—International standardized profiles AVT1n, AVT2n—Virtual terminal basic class—Application profiles—Part 2: Common supporting layers requirements (Adopted ISO/IEC ISP 11187-2:1996)

CAN/CSA-ISO/IEC 11572-01 (R2005)

Information technology—Telecommunications and information exchange between systems—Private integrated services network—Circuit mode bearer services—Inter-exchange signalling procedures and protocol (Adopted ISO/IEC 11572:2000)

CAN/CSA-ISO/IEC 11574-01 (R2005)

Information technology—Telecommunications and information exchange between systems—Private integrated services network—Circuit-mode 64 kbit/s bearer services—Service description, functional capabilities and information flows (Adopted ISO/IEC 11574:2000)

CAN/CSA-ISO/IEC 11586-6-01 (R2005)

Information technology—Open systems interconnection—Generic upper layers security: protecting transfer syntax Protocol Implementation Conformance Statement (PICS) proforma (Adopted ISO/IEC 11586-6:1997)

CAN/CSA-ISO/IEC 11587-01 (R2005)

Information technology—Open systems interconnection—Application context for systems management with transaction processing (Adopted ISO/IEC 11587:1996)

CAN/CSA-ISO/IEC 11770-1-01 (R2005)

Information technology—Security techniques—Key management—Part 1: Framework (Adopted ISO/IEC 11770-1:1996)

CAN/CSA-ISO/IEC 11770-2-01 (R2005)

Information technology—Security techniques—Key management—Part 2: Mechanisms using symmetric techniques (Adopted ISO/IEC 11770-2:1996)



Reaffirmed Standards (cont'd)

CAN/CSA-ISO/IEC 11770-3-01 (R2005)

Information technology–Security techniques–Key management–Part 3: Mechanisms using asymmetric techniques (Adopted ISO/IEC 11770-3:1999)

CAN/CSA-ISO/IEC ISP 12060-8-01 (R2005)

Information technology–International standardized profiles–OSI management–Management functions–Part 8: AOM253x–Summarization objects (including profiles AOM2531-AOM2539) (Adopted ISO/IEC ISP 12060-8:1996)

CAN/CSA-ISO/IEC ISP 12068-1-01 (R2005)

Information technology–International standardized profile FDI 4–Directory data definitions–Use of the directory for OSI TP–Part 1: FDI 41–Basic naming and addressing (Adopted ISO/IEC ISP 12068-1:1996)

CAN/CSA-ISO/IEC ISP 12072-01 (R2005)

Information technology–International standardized profile FDI5–Directory data definitions–VT use of the directory (Adopted ISO/IEC ISP 12072:1998)

CAN/CSA-ISO/IEC 12087-3-01 (R2005)

Information technology–Computer graphics and image processing–Image Processing and Interchange (IPI)–Functional specification–Part 3: Image Interchange Facility (IIF) (Adopted ISO/IEC 12087-3:1995)

CAN/CSA-ISO/IEC 12087-3A-01 (R2005)

Amendment 1:2001, “Type definition, scoping, and logical views for image interchange facility”, to CAN/CSA-ISO/IEC 12087-3-01, “Information technology–Computer graphics and image processing–Image Processing and Interchange (IPI)–Functional specification–Part 3: Image Interchange Facility (IIF)” (Adopted Amendment 1:1996 to ISO/IEC 12087-3:1995)

CAN/CSA-ISO/IEC 12089-01 (R2005)

Information technology–Computer graphics and image processing–Encoding for the Image Interchange Facility (IIF) (Adopted ISO/IEC 12089:1997)

CAN/CSA-ISO/IEC 13241-01 (R2005)

Information technology–Telecommunications and information exchange between systems–Private integrated services network–Inter-exchange signalling protocol–Route restriction class additional network feature (Adopted ISO/IEC 13241:1997)

CAN/CSA-ISO/IEC 13242-01 (R2005)

Information technology–Telecommunications and information exchange between systems–Private integrated services network–Specification, functional model and information flows–Route restriction class additional network feature (Adopted ISO/IEC 13242:1997)



Reaffirmed Standards (cont'd)

CAN/CSA-ISO/IEC 13246-01 (R2005)

Information technology–Telecommunications and information exchange between systems–Broadband private integrated services network–Inter-exchange signalling protocol–Signalling ATM adaptation layer (Adopted ISO/IEC 13246:1997)

CAN/CSA-ISO/IEC 13247-01 (R2005)

Information technology–Telecommunications and information exchange between systems–Broadband private integrated services network–Inter-exchange signalling protocol–Basic call/connection control (Adopted ISO/IEC 13247:1997)

CAN/CSA-ISO/IEC 13522-4-01 (R2005)

Information technology–Coding of multimedia and hypermedia information–Part 4: MHEG registration procedure (Adopted ISO/IEC 13522-4:1996)

CAN/CSA-ISO/IEC 13818-9-01 (R2005)

Information technology–Generic coding of moving pictures and associated audio information–Part 9: Extension for real time interface for systems decoders (Adopted ISO/IEC 13818-9:1996)

CAN/CSA-ISO/IEC 13888-3-01 (R2005)

Information technology–Security techniques–Non-repudiation–Part 3: Mechanisms using asymmetric techniques (Adopted ISO/IEC 13888-3:1997)

CAN/CSA-ISO/IEC 14143-1-01 (R2005)

Information technology–Software measurement–Functional size measurement–Part 1: Definition of concepts (Adopted ISO/IEC 14143-1:1998)

CAN/CSA-ISO/IEC 14474-01 (R2005)

Information technology–Telecommunications and information exchange between systems–Private integrated services network–Functional requirements for static circuit-mode inter-PINX connections (Adopted ISO/IEC 14474:1998)

CAN/CSA-ISO/IEC 14834-01 (R2005)

Information technology–Distributed transaction processing–The XA Specification (Adopted ISO/IEC 14834:1996)

CAN/CSA-ISO/IEC 15026-01 (R2005)

Information technology–System and software integrity levels (Adopted ISO/IEC 15026:1998)

CAN/CSA-ISO/IEC 15049-01 (R2005)

Information technology–Telecommunications and information exchange between systems–Private integrated services network–Specification, functional model and information flows–Advice of charge supplementary services (Adopted ISO/IEC 15049:1997)



Reaffirmed Standards (cont'd)

CAN/CSA-ISO/IEC 15055-01 (R2005)

Information technology–Telecommunications and information exchange between systems–Private integrated services network–Specification, functional model and information flows–Transit counter additional network feature (Adopted ISO/IEC 15055:1997)

CAN/CSA-ISO/IEC ISP 15124-1-01 (R2005)

Information technology–International standardized profile FOD126–Open document format: Image applications–Enhanced document structure–Character, raster graphics, and geometric graphics content architecture–Part 1: Document Application Profile (DAP) (Adopted ISO/IEC ISP 15124-1:1998)

CAN/CSA-ISO/IEC 15411-01 (R2005)

Information technology–Segmented keyboard layouts (Adopted ISO/IEC 15411:1999)

CAN/CSA-ISO/IEC 15507-01 (R2005)

Information technology–Telecommunications and information exchange between systems–Private integrated services network–Inter-exchange signalling protocol–PINX clock synchronization (Adopted ISO/IEC 15507:1997)

CAN/CSA-ISO/IEC 15773-01 (R2005)

Information technology–Telecommunications and information exchange between systems–Broadband private integrated services network–Inter-exchange signalling protocol–Transit counter additional network feature (Adopted ISO/IEC 15773:1998)

CAN/CSA-ISO/IEC 15899-01 (R2005)

Information technology–Telecommunications and information exchange between systems–Broadband private integrated services network–Service description–Broadband connection oriented bearer services (Adopted ISO/IEC 15899:1998)

Withdrawn Standards

T529-95 (R2000)

Telecommunications Cabling Systems in Commercial Buildings

T530-99 (R2004)

Commercial Building Standard for Telecommunications Pathways and Spaces



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

ASME A112.18.1-2005/CSA B125.1-05, 1st edition

Plumbing Supply Fittings (bi-national with ASME A112.18.1-2005) \$100

This standard applies to plumbing supply fittings and accessories located between the supply line stop and the terminal fitting, inclusive, as follows:

- automatic compensating valves for individual wall-mounted showering systems
- bath and shower supply fittings
- bidet supply fittings
- clothes washer supply fittings
- drinking fountain supply fittings
- humidifier supply stops
- kitchen, sink, and lavatory supply fittings
- laundry tub supply fittings
- lawn and sediment faucets
- metering and self-closing supply fittings
- supply stops.

ASME A112.18.2-2005/CSA B125.2-05, 1st edition

Plumbing Waste Fittings (bi-national with ASME A112.18.2-2005) \$60

This standard covers plumbing waste fittings of sizes NPS-2 and smaller.

B125.3-05, 1st edition

Plumbing Fittings..... \$75

This standard applies to plumbing fittings such as the following:

- anti-siphon fill valves
- automatic compensating valves other than those for individual wall-mounted showering systems
- closet and urinal spuds
- flexible connectors
- flush valves
- temperature-actuated in-line mixing valves
- flushometer valves and solenoid valves
- supply line stops
- thermal expansion relief valves
- trap primers.



Amendments

CAN/CSA-B1800S1-05

Plastic Nonpressure Pipe Compendium \$100

- **CAN/CSA-B1800-02:** Contents page.
- **CAN/CSA-B181.1-02:** Clauses 3.1.1, 4.13.1, 4.13.3.6, and 4.13.4.2. Addition of Clause 4.13.3.7.
- **CAN/CSA-B181.2-02:** Clauses 3.1.1, 3.1.2, 4.12.1, 4.12.3.8, 4.12.4.2, 6.1.1, 6.2.1, 6.3, 6.5, and 6.6.1, Tables 3, 4, and A1, and Appendices A1, A3.1.1, A4.4.3, and A.4.4.4. Addition of Clauses 4.12.3.9 and 4.14.3.
- **CAN/CSA-B181.3-02:** Clause 4.1.1.
- **CAN/CSA-B181.5-02:** Clauses 3.1.1.1 and 3.1.2.
- **CAN/CSA-B182.1-02:** Clauses 1.1, 3.1.2.2, 3.1.2.3, 4.1.5, 4.4, 4.5, 5.7, 5.7.3, and 6.1.1.
- **CAN/CSA-B182.2-02:** Clauses 4.1.1, 4.1.2, and 4.3.
- **CAN/CSA-B182.4-02:** Clause 4.1.1.
- **CAN/CSA-B182.6-02:** Clauses 4.1.1–4.1.3, and Figure 4.
- **CAN/CSA-B182.7-02:** Clauses 4.1 and 4.4.
- **CAN/CSA-B182.8-02:** Clauses 4.1.1–4.1.3, 4.3.2, and Figure 4.

CAN/CSA-S474-04

Concrete Structures

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

Modifications publiées en français

CAN/CSA-B1800S1-05

Recueil de normes sur les tuyaux sans pression en plastique 100 \$

- **CAN/CSA-B1800-02:** Modification de la table des matières.
- **CAN/CSA-B181.1-02:** Modification des articles 3.1.1, 4.13.1, 4.13.3.6 et 4.13.4.2. L'article 4.13.3.7 a été ajouté.
- **CAN/CSA-B181.2-02:** Modification des articles 3.1.1, 3.1.2, 4.12.1, 4.12.3.8, 4.12.4.2, 6.1.1, 6.2.1, 6.3, 6.5 et 6.6.1, ainsi que des tableaux 3, 4 et A1 et appendices A1, 3.1.1, A4.4.3, A.4.4.4. Les articles 4.12.3.9 et 4.14.3 ont été ajoutés.
- **CAN/CSA-B181.3-02:** Modification d'article 4.1.1.
- **CAN/CSA-B181.5-02:** Modification des articles 3.1.1.1 et 3.1.2.
- **CAN/CSA-B182.1-02:** Modification des articles 1.1, 3.1.2.2, 3.1.2.3, 4.1.5, 4.4, 4.5, 5.7, 5.7.3 et 6.1.1.
- **CAN/CSA-B182.2-02:** Modification des articles 4.1.1, 4.1.2 et 4.3.
- **CAN/CSA-B182.4-02:** Modification d'article 4.1.1.
- **CAN/CSA-B182.6-02:** Modification des articles 4.1.1 à 4.1.3 et la figure 4.
- **CAN/CSA-B182.7-02:** Modification des articles 4.1 et 4.4.
- **CAN/CSA-B182.8-02:** Modification des articles 4.1.1 à 4.1.3, 4.3.2 et la figure 4.



Modifications publiées en français (suite)

CAN/CSA-S474-04

Structures en béton

Des modifications ont été apportées à la première de couverture et à la page titre.
Le texte relatif aux Normes nationales du Canada a été ajouté.

Reaffirmed Standards

CAN/CSA-A14-00 (R2005)

Concrete Poles

B79-94 (R2005)

Floor, Area, and Shower Drains, and Cleanouts for Residential Construction

S448.1-93 (R2005)

Repair of Reinforced Concrete in Buildings

Under Development

Notice of Intent

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

- **O80 Series, 10th edition**
Wood Preservation
- **O121, 2nd edition**
Douglas Fir Plywood

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 October 10, 2005.

Draft Standards

To receive copies of the following draft standard, or to offer comments, contact Abraham Murra at 416-747-4186 or abraham.murra@csa.ca:

- **B137 Series, 3rd edition**
Thermoplastic Pressure Piping Compendium



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:

- **DIR.004-97**
List of CSA Certified Plumbing Products

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
July 22, 2005	Publication of Technical Information Letter No. MSE-49, covering interim certification requirements for dimensions and tolerances for insert fittings with crimp ring, for use with PEX/AL/PEX composite pressure pipe.	Plumbing Products No. 159

Certification Notices

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

Effective Date	Subject	Title
October 1, 2005	Changes to CSA's Certification and Listing Requirements for water closets.	Plumbing Products No. 156
December 1, 2005	Introduction of Certification Service to NSF/ANSI 61-2004, <i>Drinking Water System Components—Health Effects</i> .	Drinking Water Products No. 1
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
► September 1, 2006	Publication of CAN/CSA standard B182.8-02, <i>Profile Polyethylene Storm Sewer and Drainage Pipe and Fittings</i> .	Plumbing Products No. 158

Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

C22.2 No. 38-05, 8th edition

Thermoset-Insulated Wires and Cables (tri-national standard with NMX-J-451-ANCE, third edition and UL 44, sixteenth edition)..... \$195

This standard specifies the requirements for single-conductor and multiple-conductor thermoset-insulated wires and cables rated 600 V, 1000 V, 2000 V, and 5000 V, for use in accordance with the rules of the *Canadian Electrical Code, Part 1* (C22.1), in Canada, *Standard for Electrical Installations* (NOM-001-SEDE), in Mexico, and the *National Electrical Code* (NFPA-70), in the United States of America.

C22.2 No. 210-05, 2nd edition

Appliance Wiring Material Products..... \$100

This standard applies to single- or multiple-conductor, round, flat, or coiled appliance wiring material products classified as follows:

- (a) Class I — internal wiring of equipment (single- or multiple-conductor constructions with or without a covering or jacket):
 - (i) Group A — not subject to mechanical abuse; and
 - (ii) Group B — potentially subject to mechanical abuse:
 - (1) wet; and
 - (2) oil.
- (b) Class II — external/interconnecting wires (single- or multiple-conductor constructions with a jacket):
 - (i) Group A — not subject to mechanical abuse; and
 - (ii) Group B — potentially subject to mechanical abuse:
 - (1) wet; and
 - (2) oil.

C22.2 No. 244-05, 1st edition

Thermoset-Insulated Wires and Cables (tri-national standard with NMX-J-118/2-ANCE, second edition and UL 891, eleventh edition)..... \$310

This standard applies to switchboards nominally rated at 600 V or less and intended for use in accordance with the *Canadian Electrical Code, Part 1* (CE Code, Part 1), the *National Electrical Code* (NEC), ANSI/NFPA 70, and the Mexican *Standard for Electrical Installations* (Utility), NOM-001-SEDE.

In this standard the term switchboard is intended to refer to a dead-front switchboard.

These requirements cover switchboards for use on circuits having available rms symmetrical short-circuit currents of not more than 200 000 A.

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



Amendments

CAN/CSA-C22.2 No. 147-M90 (R2004)

Motor-Operated Gardening Appliances

Revision of Clause 6.17.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

C22.2 n° 0.4-04, 3^e édition

Liaison à la terre par continuité des masses de l'appareillage électrique 55 \$

Cette norme vise l'appareillage électrique conçu pour être installé et utilisé conformément au *Code canadien de l'électricité, Première partie* (CCE) et :

- a) raccordé au moyen d'un cordon ou à demeure et qui doit être raccordé à la terre par continuité des masses selon le *Code canadien de l'électricité, Première ou Deuxième partie* ; ou
- b) construit de sorte qu'il soit raccordé à la terre par continuité des masses après son installation (même si le CCE n'exige pas la liaison par continuité des masses).

Cette norme énonce des prescriptions qui portent sur certains détails de construction et sur des modes opératoires d'essai qui permettent à une agence de certification d'établir la conformité d'un appareillage à la norme pertinente.

C22.2 n° 236-05, 3^e édition

Matériel de chauffage et de refroidissement (norme binationale avec UL 1995, troisième édition) 490 \$

Les exigences visant le matériel de chauffage et de refroidissement s'appliquent au matériel fixe de tension nominale, monophasée ou triphasée, inférieure ou égale à 7200 V, destiné à être utilisé dans des emplacements non dangereux, ainsi qu'aux commandes à distance qui s'y rattachent :

- a) pompes à chaleur destinées au chauffage et au refroidissement, équipées ou non de générateurs de chaleur à résistances électriques installés en usine ou à pied d'œuvre, ou de serpentins à eau chaude ou à vapeur ;
- b) climatiseurs utilisés pour le refroidissement, équipés ou non de générateurs de chaleur à résistances électriques installés en usine ou à pied d'œuvre, ou de serpentins à eau chaude ou à vapeur ;
- c) section de refroidissement et éléments connexes des appareils de chauffage et de refroidissement avec section de chauffage à gaz, à mazout, ou à gaz et à mazout. Toutefois, ces dispositifs de chauffage ainsi que les éléments connexes doivent satisfaire respectivement aux normes pertinentes relatives à leur construction et à leur fonctionnement ;
- d) refroidisseurs et groupes compresseur-évaporateur ou refroidisseurs destinés à être utilisés avec des condenseurs à distance ;
- e) groupes compresseur-condenseur destinés à être raccordés à un évaporateur à distance indéterminé et motocompresseurs destinés à être raccordés à un évaporateur et à un condenseur à distance indéterminés ;
- f) pompes à chaleur d'adjonction destinées au chauffage des locaux ou au chauffage et au refroidissement ;



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

C22.2 n° 236-05 (suite)

- g) chauffe-eau à pompe à chaleur et désurchauffeurs de frigorigène et chauffe-eau à pompe à chaleur monobloc avec réservoir ;
- h) souffleries et ventilo-convecteurs destinés au chauffage ou au refroidissement des locaux, ou aux deux ; et
- i) aérothermes individuels, générateurs de chaleur centralisés et matériel électrothermique fixe semblable destiné au chauffage des locaux.

Modifications publiées en français

C22.2 n° 27-00

Barres blindées

Des modifications ont été apportées à la page titre, à la page des droits d'auteur, à la table des matières, à la préface, à l'avant-propos (ANCE), à l'avant-propos (UL), aux articles 1.1.1, 1.2.1, 2.3.4.3, 7.4.1, 7.5.2.2.1 et les tableaux 9, D.1 et d.2. L'article 1.1.3 a été abrogé.

CAN/CSA-C22.2 n° 147-M90 (R2004)

Appareils de jardinage à moteur

Des modifications ont été apportées à l'article 6.17.

Reaffirmed Standards

C22.2 No. 123-96 (R2005)

Aluminum Sheathed Cables

C22.2 No. 198.3-95 (R2005)

Coated Electrical Sleeving



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 October 10, 2005.

Draft Standards

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

- **C22.2 No. 4248.1, 1st edition**
Fuseholders—Part 1: General Requirements
- **C22.2 No. 4248.4, 1st edition**
Fuseholders—Part 4: Class CC
- **C22.2 No. 4248.5, 1st edition**
Fuseholders—Part 5: Class G
- **C22.2 No. 4248.6, 1st edition**
Fuseholders—Part 6: Class H
- **C22.2 No. 4248.8, 1st edition**
Fuseholders—Part 8: Class J
- **C22.2 No. 4248.9, 1st edition**
Fuseholders—Part 9: Class K
- **C22.2 No. 4248.11, 1st edition**
Fuseholders—Part 11: Type C (Edison Base) and Type S Plug Fuse
- **C22.2 No. 4248.12, 1st edition**
Fuseholders—Part 12: Class R
- **C22.2 No. 4248.15, 1st edition**
Fuseholders—Part 15: Class T

Proposed Adoptions

For more information about the proposed adoption of the following IEC standard, contact David Hulford at 416-747-2740 or david.hulford@csa.ca:

- **IEC 60335-1:2004, edition 4.1**
Household and similar electrical appliances—Safety Part 1: General requirements



Proposed Adoptions (cont'd)

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

- **IEC 61029-2-1-am1:1999**
Amendment 1:1999 to IEC 61029-2-1:1993, “Safety of transportable motor-operated electric tools—Part 2: Particular requirements for circular saws”
- **IEC 61029-2-1-am2:2001**
Amendment 2:2001 to IEC 61029-2-1:1993, “Safety of transportable motor-operated electric tools—Part 2: Particular requirements for circular saws”
- **IEC 61029-2-5-am1:2001**
Amendment 1:2001 to IEC 61029-2-5:1993, “Safety of transportable motor-operated electric tools—Part 2: Particular requirements for band saws”
- **IEC 61029-2-8:1995**
Safety of transportable motor-operated electric tools—Part 2: Particular requirements for single spindle vertical moulders
- **IEC 61029-2-8-am1:1999**
Amendment 1:1999 to IEC 61029-2-8:1995, “Safety of transportable motor-operated electric tools—Part 2: Particular requirements for single spindle vertical moulders”
- **IEC 61029-2-8-am2:2001**
Amendment 2:2001 to IEC 61029-2-8:1995, “Safety of transportable motor-operated electric tools—Part 2: Particular requirements for single spindle vertical moulders”
- **IEC 61029-2-9:1995**
Safety of transportable motor-operated electric tools—Part 2: Particular requirements for mitre saws
- **IEC 61029-2-10:1998**
Safety of transportable motor-operated electric tools—Part 2: Particular requirements for cutting-off grinders

Proposed Withdrawal of Standards

For more information about the proposed withdrawal of the following standards, contact Rick Gilmour at 416-747-4112 or rick.gilmour@csa.ca:

- **DIR.005.1-97**
List of CSA Certified Electrical Services and Equipment, Wiring Hardware and Cable Products
- **DIR.005.2-97**
List of CSA Certified Electrically Equipped Consumer and Commercial Products
- **DIR.005.3-97**
List of CSA Certified Electrical Equipment for Use in Hazardous Locations
- **DIR.005.4-97**
List of CSA Certified Home and Commercial Entertainment Products



Proposed Withdrawal of Standards (cont'd)

- **DIR.005.5-97**
List of CSA Certified Lighting Equipment and Products
- **DIR.005.6-97**
List of CSA Certified Power Supplies and Transformers
- **DIR.005.7-97**
List of CSA Certified Business and Telecommunication Equipment
- **DIR.005.8-97**
List of Certified Control, Regulating and Signal Equipment
- **DIR.005.9-97**
List of CSA Certified Industrial Products
- **DIR.005.10-97**
List of CSA Certified Wiring Devices and Related Hardware
- **DIR.008-97**
List of CSA Accepted Adhesive-Type Labels, Label Stock Materials and Printing Systems
- **DIR.009-1992**
List of Certified Occupational Health and Safety Products
- **DIR.010-98**
Component Acceptance Directory—Plastics Program (Eighteenth Edition)
- **DIR.011-1991**
List of CSA Certified Concrete Testing Laboratories
- **DIR.014-97**
List of CSA Certified Elevator Equipment

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
June 17, 2005	Publication of Update No. 1 to CSA standard C22.2 No. 126.2-02, <i>Nonmetallic Cable Tray Systems</i> .	Cable Tray Systems No. 8
June 17, 2005	Publication of Update No. 1 to CSA standard C22.2 No. 18.5-02, <i>Positioning Devices</i> .	Wiring Devices No. 38
June 20, 2005	Publication of Technical Information Letter No. C-38, covering interim certification requirements for hairdressing equipment.	Hairdressing Equipment No. 4
July 5, 2005	Publication of new C22.2 No. 60601 Part 1 and Part 2 standards.	Healthcare Equipment No. 17

Certification Notices

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

Effective Date	Subject	Title
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
January 16, 2006	Publication of the second edition of CSA standard C22.2 No. 188-04, <i>Splicing Wire Connectors</i> .	Wiring Devices No. 36
► February 15, 2006	Publication of CSA standard C22.2 No. 236-05, <i>Heating and Cooling Equipment</i> .	Heating and Cooling Equipment No. 5
March 26, 2006	Publication of the ninth edition of UL 197, <i>Commercial Electric Cooking Appliances</i> , with a new effective date. (Supersedes Appliances No. 6, dated November 30, 2004.)	Appliances No. 6A
March 31, 2006	Publication of Update No. 2 to CSA standard C22.2 No. 214-02, <i>Communications Cables</i> .	Wire and Cable No. 117
April 7, 2006	Extension of the effective date specified in Wire and Cable No. 105.	Wire and Cable No. 105A
May 24, 2006	Publication of amendments to CSA standard C22.2 No. 112-97/UL 2158, <i>Electric Clothes Dryers</i> , with a new effective date. (Supersedes Appliances No. 3, dated June 4, 2004.)	Appliances No. 3A
► June 2, 2006	Publication of Technical Information Letter No. H-18, covering interim certification requirements for burner controls incorporating programmable logic. These requirements supplement those of C22.2 No. 199 and C22.2 No. 0.8.	Signal Sensing and Controls No. 3
December 16, 2006	Publication of amendments to CSA standard C22.2 No. 169-97/UL 2157, <i>Electric Clothes Washing Machines and Extractors</i> , with a new effective date. (Supersedes Appliances No. 4, dated January 31, 2005.)	Appliances No. 4A
► December 31, 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



Certification Notices (cont'd)

Effective Date	Subject	Title
June 1, 2010	Publication of CSA standards CAN/CSA-C22.2 No. 60745-1-04 and CAN/CSA-C22.2 No. 60745-2-04 (bi-national standards with UL 60745-1 and associated Part 2 series standards).	Electrical Tools No. 15



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

B836-05, 2nd edition

Storage, Handling, and Dispensing of Aviation Fuels at Aerodromes..... \$100

This standard specifies the minimum design, construction, operation, maintenance, and emergency response requirements for the storage, handling, and dispensing of aviation fuels at aerodromes.

This standard specifies requirements for the following:

- the safety of aerodrome employees and the travelling public
- the provision of clean, dry, and on-specification aviation fuel
- the protection of property and the environment associated with the storage, handling, and dispensing of aviation fuels.

N285.6 Series-05, 2nd edition

Material Standards for Reactor Components for CANDU Nuclear Power Plants..... \$200

The N285.6 Series contains the following standards:

- **N285.6.1-05, *Pressure Tubes for Use in CANDU Fuel Channels***. This standard outlines the requirements for the fabrication and properties of seamless zirconium-2.5wt% niobium (Zr-2.5Nb) alloy pressure tubes for use in fuel channels in CANDU reactors.
- **N285.6.2-05, *Seamless Zirconium Alloy Tubing for Reactivity Control Units***. This standard outlines the requirements for the fabrication and properties of seamless zirconium alloy tubing, Grades R60802 and R60804, with diameter to wall thickness ratios less than 80. This tubing is used for reactivity control units in CANDU reactors.
- **N285.6.3-05, *Annealed Seamless Zirconium Alloy Tubing for Liquid Injection Shutdown System (LISS) Nozzles***. This standard outlines the requirements for the fabrication and properties of seamless zirconium-tin alloy tubing, Grade R60802 or R60804, which is suitable for use in liquid injection shutdown system (LISS) nozzles located in the moderator water in the core of a CANDU reactor.
- **N285.6.4-05, *Thin-Walled, Large-Diameter Zirconium Alloy Tubing***. This standard outlines the requirements for the fabrication and properties of thin-walled, large diameter tubing made from zirconium-tin alloys, Grade R60802 or R60804. This tubing can be used as calandria tubes and as tubes for reactivity control units in a CANDU reactor, and may be processed in the seamless or seam-welded condition.
- **N285.6.6-05, *Non-Destructive Examination Criteria for Zirconium Alloys***. This standard outlines the requirements for non-destructive examinations (NDEs) of zirconium alloy components during manufacturing. The NDE methods include visual, radiographic, liquid-penetrant, ultrasonic, and eddy current techniques.



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

N285.6 Series-05 (cont'd)

- **N285.6.7-05**, *Zirconium Alloy Design Data*. This standard provides the physical and mechanical property data to be used for design purposes for the zirconium alloy components defined in the CSA N285.6 Series of standards.
- **N285.6.8-05**, *Martensitic Stainless Steel for Fuel-Channel End Fittings*. This standard outlines the requirements for martensitic stainless steel forged blanks for the fuel-channel end fittings of a CANDU reactor.
- **N285.6.9-05**, *Materials for Supports for Pressure-Retaining Items*. This standard covers the material for the support of pressure-retaining items in CANDU nuclear power plants. The materials covered are in addition to the materials permitted by the ASME *Boiler and Pressure Vessel Code* (BPVC), Section III, NF-2000 and Code Cases.
- **N285.6.10-05**, *Nickel-Based Alloy Wire for Fuel-Channel Spacers*. This standard outlines the requirements for the nickel-based alloy (UNS N07750) wire used to form spacers for use between the pressure tubes and calandria tubes in the fuel channels in a CANDU reactor.
- **N285.6.11-05**, *Zirconium Alloy Wire*. This standard outlines the requirements for wires made from zirconium-tin alloy Grade R60802 or R60804 used in the welding of zirconium components and in the manufacture of the spacers that are installed between pressure tubes and calandria tubes in the fuel channels in a CANDU reactor.

Amendments

CAN/CSA-C191-04

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

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

CAN/CSA-C373-04

Energy Consumption Test Methods and Limits for Household Dishwashers

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

CAN/CSA-Z662-03

Oil and Gas Pipeline Systems

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

Modifications publiées en français

CAN/CSA-C191-04

Fonctionnement des chauffe-eau électriques à accumulation pour usage domestique

Des modifications ont été apportées à la première de couverture et à la page titre.
Le texte relatif aux Normes nationales du Canada a été ajouté.

CAN/CSA-C373-04

Consommation d'énergie des lave-vaisselle électroménagers : méthodes d'essai et limites

Des modifications ont été apportées à la première de couverture et à la page titre.
Le texte relatif aux Normes nationales du Canada a été ajouté.

CAN/CSA-N285.0S1-05

Exigences générales relatives aux systèmes et aux composants sous pression des centrales nucléaires CANDU 60 \$

Des modifications ont été apportées aux articles 3.2.1, 3.2.3, 3.2.4, 5.2.2.3, 7.3.3 et 10.1.7, ainsi qu'au tableau 2 et figures 6, 12 et 13. L'article 10.1.4.3 a été ajouté.
La Figure 7 a été abrogé.

CAN/CSA-Z662-03

Réseaux de canalisations de pétrole et de gaz

Des modifications ont été apportées à la première de couverture et à la page titre.
Le texte relatif aux Normes nationales du Canada a été ajouté.

Reaffirmed Standards

CAN/CSA-F326-M91 (R2005)

Residential Mechanical Ventilation Systems

CAN/CSA-F383-87 (R2005)

Installation Code for Solar Domestic Hot Water Systems

Withdrawn Standards

CAN/CSA-Z341.3-02

Storage of Hydrocarbons in Underground Formations–Mined Caverns



Formal Interpretations

The following interpretation regarding Clause 6.1.1 (b) of **CSA standard CSA Z245.20-02, *External Fusion Bond Epoxy Coating for Steel Pipe***, has been approved by the Technical Committee on Oil and Gas Pipeline Systems and Materials.

Question: When one product is offered in several different versions, which differ only in the catalyst used to give the required gel time, all other components of the formulation (pigment, resin, curing agent, filler and additives) are the same, is one certification needed for the product or does each different gel time version need to be tested?

In other words, does a variation in the catalyst qualify as a change in formulation per 6.1.1(b)?

Answer: No.

The following interpretation regarding Clause 7.2.5 of **CSA standard CSA Z662-03, *Oil and Gas Pipeline Systems***, has been approved by the Technical Committee on Oil and Gas Pipeline Systems and Materials.

Question: Is the term “Standard of acceptability” to include all inspection examination and testing as required by chapter V1 in B31.3?

Answer: No.

Certification and Testing (CSA International)

Certification Notices

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

Effective Date	Subject	Title
► August 1, 2005	Updated energy efficiency verification service for oil-fired storage tank water heaters to CSA standard B211-00, <i>Energy Efficiency of Oil-Fired Storage Tank Water Heaters</i> .	Verification Service No. 30



Under Development

Notice of Intent

For more information about the proposed development of the following new project, contact Rita Mezei at 416-747-4109 or rita.mezei@csa.ca:

- **Plus 14021, 2nd edition**
Development of Environmental Labelling ISO 14021 Essentials Guide

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
June 24, 2005	Publication of ANSI Z21.23b-2005, <i>Gas Appliance Thermostats</i> .	Gas Products No. 76
June 24, 2005	Publication of ANSI Z21.71a-2005, <i>Automatic Intermittent Pilot Ignition Systems for Field Installation</i> .	Gas Products No. 77

Certification Notices

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

Effective Date	Subject	Title
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
October 1, 2005	Publication of addenda ANSI Z21.77b-2004/CGA 6.23b-2004, <i>Manually Operated Piezo-Electric Spark Gas Ignition Systems and Components</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.77-1995/CGA 6.23-M95 and Z21.77a-1997/CGA 6.23a-M97.	Gas Products No. 46
December 1, 2005	Publication of ANSI Z21.89-2004/CSA 1.18-2004, <i>Outdoor Cooking Specialty Gas Appliances</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.89-2002/CSA 1.18-2002, ANSI Z21.89a-2003/CSA 1.18a-2003, and ANSI Z21.89b-2004/CSA 1.18b-2004.	Gas Products No. 57
December 1, 2005	Publication of addenda ANSI Z83.4a-2004/CSA 3.7a-2004, <i>Non-Recirculating Direct Gas-Fired Industrial Air Heaters</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z83.4-2003/CSA 3.7-2003.	Gas Products No. 58
January 2, 2006	Publication of addenda ANSI Z21.10.1a-2002/CSA 4.1a-2002 and ANSI Z21.10.1b-2004/CSA 4.1b-2004, <i>Gas Water Heaters, Volume I, Storage Water Heaters with Input Ratings of 75,000 BTU per hour or Less</i> . (Supersedes Gas Products No. 7.)	Gas Products No. 48

**Certification Notices (cont'd)**

Effective Date	Subject	Title
March 1, 2006	Publication of addenda ANSI Z21.11.2b-2004, <i>Gas-Fired Room Heaters–Volume II, Unvented Room Heaters</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.11.2-2002 and ANSI Z21.11.2a-2003.	Gas Products No. 47
March 1, 2006	Publication of addenda ANSI Z21.84b-2004, <i>Manually Lighted, Natural Gas Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.84-2002 and ANSI Z21.84a-2003.	Gas Products No. 43A
March 1, 2006	Publication of addenda ANSI Z21.47a-2004/CSA 2.3a-2004, <i>Gas-Fired Central Furnaces</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.47-2003/CSA 2.3-2003.	Gas Products No. 62
June 1, 2006	Publication of ANSI Z83.18-2004, <i>Recirculating Direct Gas-Fired Industrial Air Heaters</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z83.18-2000, ANSI Z83.18a-2001, and ANSI Z83.18b-2003.	Gas Products No. 59
June 1, 2006	Publication of ANSI Z21.13-2004/CSA 4.9-2004, <i>Gas-Fired Low-Pressure Steam and Hot Water Boilers</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.13-2000/CSA 4.9-2000, ANSI Z21.13a-2002/CSA 4.9a-2002, and ANSI Z21.13b-2003/CSA 4.9b-2003.	Gas Products No. 45
▶ August 1, 2006	Publication of ANSI Z21.13a-2005/CSA 4.9a-2005, <i>Gas-Fired Boilers</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.13-2004/CSA 4.9-2004.	Gas Products No. 75
August 1, 2006	Publication of ANSI Z21.1-2005, <i>Household Cooking Gas Appliances</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.1-2000, ANSI Z21.1a-2003, and ANSI Z21.1b-2003.	Gas Products No. 67
August 1, 2006	Publication of ANSI Z21.20-2005, <i>Automatic Gas Ignition Systems and Components</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.20-2000, Z21.20a-2000 and Z21.20b-2001.	Gas Products No. 69

**Certification Notices (cont'd)**

Effective Date	Subject	Title
August 1, 2006	Publication of ANSI Z21.58-2005/CSA 1.6-2005, <i>Outdoor Cooking Gas Appliances</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.58-1995/CGA 1.6-M95, ANSI Z21.58a-1998/CGA 1.6a-1998, and ANSI Z21.58b-2002/CSA 1.6b-2002.	Gas Products No. 68



Completed Projects / Projets terminés

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

B335-04, 2^e édition

Norme de sécurité pour les chariots élévateurs..... 75 \$

Cette norme s'applique aux chariots élévateurs des catégories 1, 2, 3, 4, 5 et 7 ; de plus, certains articles s'appliquent aux véhicules de la catégorie 6, les chariots élévateurs à grande levée non motorisés, ainsi qu'aux véhicules de transport de personnel et de charges. Voir à l'annexe B la liste et la description de diverses catégories de ces véhicules.

Amendments

CAN/CSA-M682-04

Agricultural Front-End Loaders—Safety Requirements

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

CAN/CSA-Z94.2-02

Hearing Protection Devices

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

CAN/CSA-Z142-02

Code for Power Press Operation: Health, Safety, and Guarding Requirements

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

CAN/CSA-Z314.14-04

Selection and Use of Rigid Sterilization Containers

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

CAN/CSA-Z314.15-03

Warehousing, Storage, and Transportation of Clean and Sterile Medical Devices

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



Modifications publiées en français

CAN/CSA-M682-04

Dispositifs de chargement frontal agricoles : exigences de sécurité

Des modifications ont été apportées à la première de couverture et à la page titre.
Le texte relatif aux Normes nationales du Canada a été ajouté.

CAN/CSA-Z94.2-02

Protecteurs auditifs : performances, sélection, entretien et utilisation

Des modifications ont été apportées à la première de couverture et à la page titre.
Le texte relatif aux Normes nationales du Canada a été ajouté.

CAN/CSA-Z142-02

Code régissant l'opération des presses : exigences concernant la santé, la sécurité et la protection

Des modifications ont été apportées à la première de couverture et à la page titre.
Le texte relatif aux Normes nationales du Canada a été ajouté.

CAN/CSA-Z314.14-04

Sélection et utilisation des contenants de stérilisation rigides

Des modifications ont été apportées à la première de couverture et à la page titre.
Le texte relatif aux Normes nationales du Canada a été ajouté.

CAN/CSA-Z314.15-03

Stockage, entreposage et transport des dispositifs médicaux propres et stériles

Des modifications ont été apportées à la première de couverture, à la deuxième de couverture ainsi qu'à la page titre. Le texte relatif aux Normes nationales du Canada a été ajouté.

Reaffirmed Standards

CAN/CSA-M421-00 (R2005)

Use of Electricity in Mines

CAN/CSA-M422-M87 (R2005)

Fire-Performance and Antistatic Requirements for Conveyor Belting

M678-00 (R2005)

Farm and Agricultural Injury Classification (FAIC) Code

CAN/CSA-M7096-00 (R2005)

Operator Seat–Transmitted Vibration–Mobile Machinery (FM)
(Adopted ISO 7096:1994, second edition)

CAN/CSA-Z262.5-00 (R2005)

Face Protectors for Ringette Players

Formal Interpretations

The following interpretation regarding **CSA standard B52-05, *Mechanical Refrigeration Code***, has been approved by the Technical Committee on the Mechanical Refrigeration Code.

Question 1: Is a "FORCED AIR EVAPORATOR" considered a low side component as described in 4.5.2 (i) in B52-2005?

Answer: Yes.

Question 2: Is a "SHELL and TUBE EVAPORATOR" considered a low side component as described in 4.5.2 (i) in B52-2005?

Answer: Yes.

Question 3: Is a "SURGE DRUM" installed over a "shell and tube evaporator" considered a low side component as described in 4.5.2 (i) in B52-2005?

Answer: Yes.

Question 4: Is a "SURGE DRUM" installed over a "force air evaporator" considered a low side component as described in 4.5.2 (i) in B52-2005?

Answer: Yes.

Question 5: Is a "EVAPORATOR OIL POT" considered a low side component as described in 4.5.2 (i) in B52-2005?

Answer: Yes.

Question 6: Does B52 and B51 exclude from the definition of pressure vessel, evaporator having section of less than 0.5 ft³, as it is mentioned in the definition of a pressure vessel in ASHRAE 15-2001?

Answer: No.

Under Development

Notice of Intent

For more information about the proposed development of the following new project, contact Ian Brodie at 416-747-2670 or ian.brodie@csa.ca:

- **D250, 8th edition**
School Buses



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 October 10, 2005.

Draft Standards

To receive copies of the following draft standard, or to offer comments, contact Dave Shanahan at 416-747-2586 or dave.shanahan@csa.ca:

- **Z107.10, 1st edition**
Recognized International Standards on Acoustics, Sound Measurement, and Noise Control

Proposed Reaffirmation of Standards

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

CAN/CSA-B619-00
Carrier Safety Management Systems

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
July 5, 2005	Publication of new C22.2 No. 60601 Part 1 and Part 2 standards.	Healthcare Equipment No. 17

Certification Notices

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

Effective Date	Subject	Title
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
► April 1, 2006	Publication of CSA standard B44.1-04/ ASME A17.5-2004: <i>Elevator and Escalator Electrical Equipment</i> .	Elevator Equipment No. 15



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



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