



**CANADIAN STANDARDS
ASSOCIATION**

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Canadian Standards Association

Making Standards Work for People and Business

The **Canadian Standards Association** has been a leader in standards development since 1919. Accredited by the Standards Council of Canada, we have published over 2000 standards for the safety, design and performance of a wide range of products and services. Many of our standards are cited in legislation at federal, provincial, state and municipal levels across North America. Many are internationally or regionally harmonized. All of our standards are the result of the knowledge and expertise of our members who develop the standards.

Our 9,000+ members are at the heart of the CSA process for the development of standards. They come from all walks of life and include scientists, academics, environmentalists and technicians. They represent government, industry, labour and consumers. All CSA standards are developed following principles of consensus, so that all viewpoints receive a fair hearing with no one interest group dominating.

There are two different types of membership; volunteer committee membership and sustaining membership. Our committee members contribute time and expertise to the process of standards development, and our sustaining members support this work through the payment of annual dues.

CSA is funded through the sale of information products, membership, and from interested stakeholders.

At the Canadian Standards Association, we know the power of standards to effect change and are committed to making standards work for people and business.

For more than 80 years, the Canadian Standards Association has developed standards to create a better, safer world – and we will continue to touch people's lives in positive ways for many years to come.

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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. The comment period is normally 60 days from the date of each issue of *Info Update*. 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.

Please note: For an additional listing of drafts available for Public Review, visit the online Public Review section at www.csa.ca.

After the expiry date for public comments, you can buy most public review drafts, up until the approval stage. Please call Standards Sales at 416-747-4044 or 1-800-463-6727 for pricing, or email your request to sales@csa.ca. *Please note:* Drafts are works in progress and have no official status. They are not a substitute for the final, approved standards and amendments. Drafts must not be used 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. Although the proposal is to Reaffirm these standards, the result of the review may be to Withdraw them. Action taken will be announced in a future issue of *Info Update*.

▼ 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*. Although the proposal is to Withdraw these standards, the result of the review may be to Reaffirm them. Action taken will be announced in a future 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

[B128.1-06/B128.2-06, 1st edition](#)

*Design and Installation of Non-Potable Water Systems /
Maintenance and Field Testing of Non-Potable Water Systems*

[CAN/CSA-ISO 19901-4:06, 1st edition](#)

*Petroleum and natural gas industries — Specific requirements for offshore structures —
Part 4: Geotechnical and foundation design considerations* (Adopted ISO 19901-4:2003,
first edition, without modification)



Electrical / Electronics

[C22.2 No. 49-06, 12th edition](#)

Flexible Cords and Cables (trilateral standard with NMX-J-436-ANCE,
third edition and UL 62, seventeenth edition)

[C22.2 No. 227.1-06, 4th edition](#)

Electrical Nonmetallic Tubing (bi-national standard with UL 1653, second edition)

[CAN/CSA-C22.2 No. 61029-2-8:06, 1st edition \(bilingual\)](#)

Safety of transportable motor-operated electric tools (Adopted CEI/IEC 1029-2-8:1995,
first edition, including Amendment 1:1999 and Amendment 2:2001, without modification)

[CAN/CSA-CEI/IEC 61000-4-4:06, 2nd edition \(bilingual\)](#)

*Electromagnetic compatibility (EMC) — Part 4-4: Testing and measurement
techniques — Electrical fast transient/burst immunity test* (Adopted CEI/IEC
61000-4-4:2004, second edition, without modification)

[CAN/CSA-CEI/IEC 61000-4-34:06, 1st edition \(bilingual\)](#)

*Electromagnetic compatibility (EMC) — Part 4-34: Testing and measurement techniques —
Voltage dips, short interruptions and voltage variations immunity tests for equipment with
input current more than 16 A per phase* (Adopted CEI/IEC 61000-4-34:2005,
first edition, without modification)



Électricité et électronique

[C22.1-06, 20^e édition](#)

*Code canadien de l'électricité, Première partie, Norme de sécurité relative aux
installations électriques*

[C22.2 n° 188-04, 2^e édition](#)

Serre-fils (norme trinationale avec NMX-J-548-ANCE-2004 et UL486C)

[C22.2 n° 2556-05, 1^{re} édition](#)

Modes opératoires d'essai des fils et câbles (norme trinationale avec NMX-J-556-ANCE,
première édition et UL 2556, première édition)

Électricité et électronique (suite)

[CAN/CSA-C22.2 n° 60745-2-1-04, 2^e édition](#)

Outils électroportatifs à moteur — Sécurité — Partie 2-1 : Règles particulières pour perceuses et perceuses à percussion (norme binationale avec UL 60745-2-1, deuxième édition)

[CAN/CSA-C22.2 n° 61029-2-8:06, 1^{re} édition \(bilingue\)](#)

Sécurité des machines-outils électriques semi-fixes — Partie 2: Règles particulières pour les toupies monobroches verticales (norme CEI/IEC 1029-2-8:1995, première édition, comprenant l'amendement 1:1999 et l'amendement 2:2001, adoptée sans modifications)

[CAN/CSA-CEI/IEC 61000-4-4:06, 3^e édition \(bilingue\)](#)

Compatibilité électromagnétique (CEM) — Partie 4-4: Techniques d'essai et de mesure — Essais d'immunité aux transitoires électriques rapides en salves (norme CEI/IEC 61000-4-4:2004, deuxième édition, adoptée sans modification)

[CAN/CSA-CEI/IEC 61000-4-34:06, 1^{re} édition \(bilingue\)](#)

Compatibilité électromagnétique (CEM) — Partie 4-34: Techniques d'essai et de mesure — Essais d'immunité aux creux de tension coupures brèves et variations de tension pour matériel ayant un courant appelé de plus de 16 A par phase (norme CEI/IEC 61000-4-34:2005, première édition, adoptée sans modification)



Gas Equipment

[Gas Technician Training 1 — Module 26, 3rd edition](#)

Flame Safeguard

[Gas Technician Training 1 — Module 27A, 3rd edition](#)

Commercial/Industrial Appliances over 400 000 Btu/h (120 kW)

[Gas Technician Training 1 — Module 27B, 3rd edition](#)

Commercial Cooking Equipment

[Gas Technician Training 1 — Module 28, 3rd edition](#)

Gas-Fired Air Conditioning

[Gas Technician Training 1 — Module 29, 3rd edition](#)

Electricity

[Gas Technician Training 1 — Module 30, 3rd edition](#)

Controls

[Gas Technician Training 1 — Module 31, 3rd edition](#)

Valve Trains and Burners



Life Sciences

[CAN/CSA-C22.2 No. 60601-2-45:02, 2nd edition \(bilingual\)](#)

Medical electrical equipment — Part 2-45: Particular requirements for the safety of mammographic X-ray equipment and mammographic stereotactic devices (Adopted CEI/IEC 60601-2-45:2006, first edition [2001-05], without modification)

[CAN/CSA-C22.2 No. 60601-2-49:04, 1st edition \(bilingual\)](#)

Medical electrical equipment — Part 2-49: Particular requirements for the safety of multifunction patient monitoring equipment (Adopted CEI/IEC 60601-2-49:2006, first edition [2001-07], without modification)

[CAN/CSA-ISO 17432:96, 1st edition](#)

Health informatics — Messages and communication (Web access to DICOM persistent objects) (Adopted ISO 17432:2004, first edition, without modification)

[CAN/CSA-ISO/TS 21667:06, 1st edition](#)

Health informatics — Health indicators conceptual framework (Adopted ISO/TS 21667:2004, first edition, without modification)

[M676-06, 2nd edition](#)

Agricultural cabs — Engineering control of environmental air quality. Part 1: Definitions, test methods, and safety practices (Adopted ANSI/ASAE S515-1.2 JAN 03, without modification)



Sciences de la Vie

[CAN/CSA-C22.2 n° 60601-2-45:02, 2^e édition \(bilingue\)](#)

Appareils électromédicaux — Partie 2-45: Règles particulières de sécurité pour les appareils de radiographie mammaire et les appareils mammographiques stéréotaxiques (norme CEI/IEC 60601-2-45:2006, deuxième édition [2001-05], adoptée sans modifications)

[CAN/CSA-C22.2 n° 60601-2-49:04, 1^{re} édition \(bilingue\)](#)

Appareils électromédicaux — Partie 2-49: Règles particulières de sécurité des appareils de surveillance multifonction des patients (norme CEI/IEC 60601-2-49:2006, première édition [2001-07], adoptée sans modifications)

[CAN/CSA-ISO 17432 :06, 1^{re} édition](#)

Informatique de santé — Messages et communication — Accès au web pour les objets persistants DICOM (norme ISO 17432:2004, première édition, adoptée sans modifications)

[Z1000-06, 1^{re} édition](#)

Gestion de la santé et de la sécurité au travail



Completed Projects / Projets terminés

Reaffirmed Standards

CAN/CSA-ISO/IEC 7816-4-97 (R2006)

Information technology — Identification cards — Integrated circuits(s) cards with contacts — Part 4: Interindustry commands for interchange (Adopted ISO/IEC 7816-4:1995)

CAN/CSA-ISO/IEC 15408-1:02 (R2006)

Information technology — Security techniques — Evaluation criteria for IT security — Part 1: Introduction and general model (Adopted ISO/IEC 15408-1:1999)

CAN/CSA-ISO/IEC 15408-2:02 (R2006)

Information technology — Security techniques — Evaluation criteria for IT security — Part 2: Security functional requirements (Adopted ISO/IEC 15408-2:1999)

CAN/CSA-ISO/IEC 15408-3:02 (R2006)

Information technology — Security techniques — Evaluation criteria for IT security — Part 3: Security assurance requirements (Adopted ISO/IEC 15408-3:1999)

Withdrawn Standards

CAN/CSA-ISO/IEC 9075-5:02

Information technology — Database languages — SQL — Part 5: Host language bindings (SQL/BINDINGS) (Adopted ISO/IEC 9075-5:1999)

CAN/CSA-ISO/IEC 9075-5A:02

Amendment 1:2003, “On-line analytical processing (SQL/OLAP)”, to CAN/CSA-ISO/IEC 9075-5:02, “Information technology — Database languages — SQL — Part 5: Host language bindings (SQL/BINDINGS)” (Adopted Amendment 1:2001 to ISO/IEC 9075-5:1999)

CAN/CSA-ISO/IEC 10646-1-01

Information technology — Universal multiple-octet coded character set (UCS) — Part 1: Architecture and basic multilingual plane (Adopted ISO/IEC 10646-1:2000)

CAN/CSA-ISO/IEC 10646-1A-01

Amendment 1:2003, “Mathematical symbols and other characters”, to CAN/CSA-ISO/IEC 10646-1-01, “Information technology — Universal multiple-octet coded character set (UCS) — Part 1: Architecture and basic multilingual plane” (Adopted Amendment 1:2002 to ISO/IEC 10646-1:2000)

CAN/CSA-ISO/IEC 10646-2:04

Information technology — Universal multiple-octet coded character set (UCS) — Part 2: Supplementary planes (Adopted ISO/IEC 10646-2:2001)



Withdrawn Standards (cont'd)

CAN/CSA-ISO/IEC 11588-1-00 (R2004)

Information technology — Message Handling Systems (MHS) management — Part 1: Model and architecture (Adopted ISO/IEC 11588-1:1996)

CAN/CSA-ISO/IEC 15423-1:02

Information technology — Automatic identification and data capture techniques — Bar code scanner and decoder performance testing — Part 1: Linear symbols (Adopted ISO/IEC 15423-1:2001)

Under Development

Notice of Intent

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

- **ISO/IEC 7501-3:2005**
Identification cards — Machine readable travel documents — Part 3 : Machine readable official travel documents
- **ISO/IEC 7776:1995/Amd 1:1996**
Information technology — Telecommunications and information exchange between systems — High-level data link control procedures — Description of the X.25 LAPB-compatible DTE data link procedures — Amendment 1, “Modulo 32 768 and multi-selective reject option”
- **ISO/IEC 7811-6:2001/Amd 1:2005**
Identification cards — Recording technique — Part 6: Magnetic stripe — High coercivity — Amendment 1, “Ui6 criteria and test method”
- **ISO/IEC 7816-3:1997/Amd 1:2002**
Information technology — Identification cards — Integrated circuit(s) cards with contacts — Part 3: Electronic signals and transmission protocols — Amendment 1, “Electrical characteristics and class indication for integrated circuit(s) cards operating at 5 V, 3 V and 1,8 V”
- **ISO/IEC 7816-4:2005**
Identification cards — Integrated circuit cards — Part 4: Organization, security and commands for interchange
- **ISO/IEC 7816-12:2005**
Identification cards — Integrated circuit cards — Part 12: Cards with contacts — USB electrical interface and operating procedures
- **ISO/IEC 8602:1995/Amd 1:1996**
Information technology — Protocol for providing the OSI connectionless-mode transport service — Amendment 1, “Addition of connectionless-mode multicast capability”



Notice of Intent (cont'd)

- **ISO/IEC 8613-2:1995/Cor 1:1998**
Information technology — Open Document Architecture (ODA) and interchange format: Document structures — Technical Corrigendum 1
- **ISO/IEC 8613-2:1995/Cor 2:1998**
Information technology — Open Document Architecture (ODA) and interchange format: Document structures — Technical Corrigendum 2
- **ISO/IEC 8613-4:1994/Cor 1:1998**
Information technology — Open Document Architecture (ODA) and interchange format: Document profile — Technical Corrigendum 1
- **ISO/IEC 8613-4:1994/Cor 2:1998**
Information technology — Open Document Architecture (ODA) and interchange format: Document profile — Technical Corrigendum 2
- **ISO/IEC 8613-5:1994/Cor 1:1998**
Information technology — Open Document Architecture (ODA) and interchange format: Open document interchange format — Technical Corrigendum 1
- **ISO/IEC 8613-5:1994/Cor 2:1998**
Information technology — Open Document Architecture (ODA) and interchange format: Open document interchange format — Technical Corrigendum 2
- **ISO/IEC 8613-6:1994/Cor 1:1998**
Information technology — Open Document Architecture (ODA) and interchange format: Character content architectures — Technical Corrigendum 1
- **ISO/IEC 8613-7:1994/Cor 1:1998**
Information technology — Open Document Architecture (ODA) and interchange format: Raster graphics content architectures — Technical Corrigendum 1
- **ISO/IEC 8613-7:1994/Amd 1:1998**
Information technology — Open Document Architecture (ODA) and Interchange Format: Raster graphics content architectures — Amendment 1
- **ISO/IEC 8823-1:1994/Amd 1:1998**
Information technology — Open Systems Interconnection — Connection-oriented presentation protocol: Protocol specification — Amendment 1, “Efficiency enhancements”
- **ISO/IEC 8823-1:1994/Amd 2:1998**
Information technology — Open Systems Interconnection — Connection-oriented presentation protocol: Protocol specification — Amendment 2, “Nested connections functional unit”
- **ISO/IEC 8824-1:2002/Amd 2:2005**
Information technology — Abstract Syntax Notation One (ASN.1): Specification of basic notation — Amendment 2, “Alignment with changes made to ITU-T Rec. X.660 | ISO/IEC 9834-1 for identifiers in object identifier value notation”



Notice of Intent (cont'd)

- **ISO/IEC 9075-1:2003/Cor 1:2005**
Information technology — Database languages — SQL — Part 1: Framework (SQL/Framework) — Technical Corrigendum 1
- **ISO/IEC 9075-2:2003/Cor 1:2005**
Information technology — Database languages — SQL — Part 2: Foundation (SQL/Foundation) — Technical Corrigendum 1
- **ISO/IEC 9075-3:2003/Cor 1:2005**
Information technology — Database languages — SQL — Part 3: Call-Level Interface (SQL/CLI) — Technical Corrigendum 1
- **ISO/IEC 9075-4:2003/Cor 1:2005**
Information technology — Database languages — SQL — Part 4: Persistent Stored Modules (SQL/PSM) — Technical Corrigendum 1
- **ISO/IEC 9075-9:2003/Cor 1:2005**
Information technology — Database languages — SQL — Part 9: Management of External Data (SQL/MED) — Technical Corrigendum 1
- **ISO/IEC 9075-10:2003/Cor 1:2005**
Information technology — Database languages — SQL — Part 10: Object Language Bindings (SQL/OLB) — Technical Corrigendum 1
- **ISO/IEC 9075-13:2003/Cor 1:2005**
Information technology — Database languages — SQL — Part 13: SQL Routines and Types Using the Java™ Programming Language (SQL/JRT) — Technical Corrigendum 1
- **ISO/IEC 9798-6:2005**
Information technology — Security techniques — Entity authentication — Part 6: Mechanisms using manual data transfer
- **ISO/IEC 10164-10:1995/Amd 1:1998**
Information technology — Open Systems Interconnection — Systems Management: Usage metering function for accounting purposes — Amendment 1, “Implementation conformance statement proformas”
- **ISO/IEC 10164-11:1994/Amd 1:1998**
Information technology — Open Systems Interconnection — Systems Management: Metric objects and attributes — Amendment 1, “Implementation conformance statement proformas”
- **ISO/IEC 10179:1996/Amd 2:2005**
Information technology — Processing languages — Document Style Semantics and Specification Language (DSSSL) — Amendment 2, “Extensions to multilingual and complicated document styles”
- **ISO/IEC 10373-5:2006**
Identification cards — Test methods — Part 5: Optical memory cards
- **ISO/IEC 10646:2003**
Information technology — Universal Multiple-Octet Coded Character Set (UCS)



Notice of Intent (cont'd)

- **ISO/IEC 10646:2003/Amd 1:2005**
Information technology — Universal Multiple-Octet Coded Character Set (UCS) — Amendment 1, “Glagolitic, Coptic, Georgian and other characters”
- **ISO/IEC 11179-2:2005**
Information technology — Metadata registries (MDR) — Part 2: Classification
- **ISO/IEC 11179-5:2005**
Information technology — Metadata registries (MDR) — Part 5: Naming and identification principles
- **ISO/IEC 11179-6:2005**
Information technology — Metadata registries (MDR) — Part 6: Registration
- **ISO/IEC 11693:2005**
Identification cards — Optical memory cards — General characteristics
- **ISO/IEC 11694-1:2005**
Identification cards — Optical memory cards — Linear recording method — Part 1: Physical characteristics
- **ISO/IEC 11694-2:2005**
Identification cards — Optical memory cards — Linear recording method — Part 2: Dimensions and location of the accessible optical area
- **ISO/IEC 11694-5:2006**
Identification cards — Optical memory cards — Linear recording method — Part 5: Data format for information interchange for applications using ISO/IEC 11694-4, Annex B
- **ISO/IEC 11694-6:2006**
Identification cards — Optical memory cards — Linear recording method — Part 6: Use of biometrics on an optical memory card
- **ISO/IEC 11770-2:1996/Cor 1:2005**
Information technology — Security techniques — Key management — Part 2: Mechanisms using symmetric techniques — Technical Corrigendum 1
- **ISO/IEC TR 11802-1:2005**
Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Technical reports and guidelines — Part 1: The structure and coding of Logical Link Control addresses in Local Area Networks
- **ISO/IEC TR 11802-2:2005**
Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Technical reports and guidelines — Part 2: Standard Group MAC Addresses
- **ISO/IEC 13818-1:2000/Cor 3:2005**
Information technology — Generic coding of moving pictures and associated audio information: Systems — Technical Corrigendum 3



Notice of Intent (cont'd)

- **ISO/IEC 13818-1:2000/Amd 4:2005**
Information technology — Generic coding of moving pictures and associated audio information: Systems — Amendment 4, “ISAN and V-ISAN use in the content labelling descriptor”
- **ISO/IEC 13818-1:2000/Amd 5:2005**
Information technology — Generic coding of moving pictures and associated audio information: Systems — Amendment 5, “New audio profile and level signalling and change to audio_type table entry”
- **ISO/IEC 13818-7:2006**
Information technology — Generic coding of moving pictures and associated audio information — Part 7: Advanced Audio Coding (AAC)
- **ISO/IEC 14165-114:2005**
Information technology — Fibre Channel — Part 114: 100 MB/s Balanced copper physical interface (FC-100-DF-EL-S)
- **ISO/IEC 14165-115:2006**
Information technology — Fibre Channel — Part 115: Physical Interfaces (FC-PI)
- **ISO/IEC 14165-116:2005**
Information technology — Fibre Channel — Part 116: 10 Gigabit (10GFC)
- **ISO/IEC 14165-122:2005**
Information technology — Fibre Channel — Part 122: Arbitrated Loop-2 (FC-AL-2)
- **ISO/IEC 14165-222:2005**
Information technology — Fibre Channel — Part 222: Single-byte command code 2 mapping protocol (FC-SB-2)
- **ISO/IEC 14165-241:2005**
Information technology — Fibre Channel — Part 241: Backbone 2 (FC-BB-2)
- **ISO/IEC 14443-2:2001/Amd 1:2005**
Identification cards — Contactless integrated circuit(s) cards — Proximity cards — Part 2: Radio frequency power and signal interface — Amendment 1, “Bit rates of fc/64, fc/32 and fc/16”
- **ISO/IEC 14443-3:2001/Amd 1:2005**
Identification cards — Contactless integrated circuit(s) cards — Proximity cards — Part 3: Initialization and anticollision — Amendment 1, “Bit rates of fc/64, fc/32 and fc/16”
- **ISO/IEC 14443-3:2001/Amd 3:2006**
Identification cards — Contactless integrated circuit(s) cards — Proximity cards — Part 3: Initialization and anticollision — Amendment 3, “Handling of reserved fields and values”
- **ISO/IEC 14443-4:2001/Amd 1:2006**
Identification cards — Contactless integrated circuit(s) cards — Proximity cards — Part 4: Transmission protocol — Amendment 1, “Handling of reserved fields and values”



Notice of Intent (cont'd)

- **ISO/IEC 14492:2001/Amd 1:2004**
Information technology — Lossy/lossless coding of bi-level images — Amendment 1, “Encoder”
- **ISO/IEC 14496-1:2004/Amd 1:2005**
Information technology — Coding of audio-visual objects — Part 1: Systems — Amendment 1, “Text profile and level indication”
- **ISO/IEC 14496-2:2004/Amd 2:2005**
Information technology — Coding of audio-visual objects — Part 2: Visual — Amendment 2, “New Levels for Simple Profile”
- **ISO/IEC 14496-3:2005**
Information technology — Coding of audio-visual objects — Part 3: Audio
- **ISO/IEC 14496-3:2005/Amd 2:2006**
Information technology — Coding of audio-visual objects — Part 3: Audio — Amendment 2, “Audio Lossless Coding (ALS), new audio profiles and BSAC extensions”
- **ISO/IEC 14496-4:2004 (including Cor 1:2005)**
Information technology — Coding of audio-visual objects — Part 4: Conformance testing
- **ISO/IEC 14496-4:2004/Amd 1:2005 (including Cor. 1:2005)**
Information technology — Coding of audio-visual objects — Part 4: Conformance testing — Amendment 1, “Conformance testing for MPEG-4”
- **ISO/IEC 14496-4:2004/Amd 2:2005**
Information technology — Coding of audio-visual objects — Part 4: Conformance testing — Amendment 2, “MPEG-4 conformance extensions for XMT and media nodes”
- **ISO/IEC 14496-4:2004/Amd 3:2005**
Information technology — Coding of audio-visual objects — Part 4: Conformance testing — Amendment 3, “Visual new levels and tools”
- **ISO/IEC 14496-4:2004/Amd 4:2005**
Information technology — Coding of audio-visual objects — Part 4: Conformance testing — Amendment 4, “IPMPX conformance extensions”
- **ISO/IEC 14496-4:2004/Amd 5:2005**
Information technology — Coding of audio-visual objects — Part 4: Conformance testing — Amendment 5, “Conformance extensions for error-resilient simple scalable profile”
- **ISO/IEC 14496-4:2004/Amd 6:2005**
Information technology — Coding of audio-visual objects — Part 4: Conformance testing — Amendment 6, “Advanced Video Coding conformance”
- **ISO/IEC 14496-4:2004/Amd 7:2005**
Information technology — Coding of audio-visual objects — Part 4: Conformance testing — Amendment 7, “AFX conformance extensions”



Notice of Intent (cont'd)

- **ISO/IEC 14496-4:2004/Amd 8:2005**
Information technology — Coding of audio-visual objects — Part 4: Conformance testing — Amendment 8, “High Efficiency Advanced Audio Coding, audio BIFS, and structured audio conformance”
- **ISO/IEC 14496-4:2004/Amd 9:2006**
Information technology — Coding of audio-visual objects — Part 4: Conformance testing — Amendment 9, “AVC fidelity range extensions conformance”
- **ISO/IEC 14496-4:2004/Amd 10:2005**
Information technology — Coding of audio-visual objects — Part 4: Conformance testing — Amendment 10, “Conformance extensions for simple profile levels 4a and 5”
- **ISO/IEC 14496-4:2004/Amd 11:2006**
Information technology — Coding of audio-visual objects — Part 4: Conformance testing — Amendment 11, “Parametric stereo conformance”
- **ISO/IEC 14496-5:2001**
Information technology — Coding of audio-visual objects — Part 5: Reference software
- **ISO/IEC 14496-5:2001/Amd 3:2003**
Information technology — Coding of audio-visual objects — Part 5: Reference software — Amendment 3, “Visual new level and tools”
- **ISO/IEC 14496-5:2001/Amd 4:2004**
Information technology — Coding of audio-visual objects — Part 5: Reference software — Amendment 4, “IPMPX reference software extensions”
- **ISO/IEC 14496-5:2001/Amd 5:2004**
Information technology — Coding of audio-visual objects — Part 5: Reference software — Amendment 5, “Reference software extensions for error resilient simple scalable profile”
- **ISO/IEC 14496-5:2001/Amd 6:2005**
Information technology — Coding of audio-visual objects — Part 5: Reference software — Amendment 6, “Advanced Video Coding (AVC) and High Efficiency Advanced Audio Coding (HE AAC) reference software”
- **ISO/IEC 14496-5:2001/Amd 7:2005**
Information technology — Coding of audio-visual objects — Part 5: Reference software — Amendment 7, “AFX reference software extensions”
- **ISO/IEC 14496-5:2001/Amd 8:2006**
Information technology — Coding of audio-visual objects — Part 5: Reference software — Amendment 8, “AVC fidelity range extensions reference software”
- **ISO/IEC 14496-12:2005**
Information technology — Coding of audio-visual objects — Part 12: ISO base media file format
- **ISO/IEC 14496-12:2005/Cor 1:2005**
Information technology — Coding of audio-visual objects — Part 12: ISO base media file format — Technical Corrigendum 1



Notice of Intent (cont'd)

- **ISO/IEC 14496-12:2005/Cor 2:2006**
Information technology — Coding of audio-visual objects — Part 12: ISO base media file format — Technical Corrigendum 2
- **ISO/IEC 14496-16:2004/Cor 1:2005**
Information technology — Coding of audio-visual objects — Part 16: Animation Framework eXtension (AFX) — Technical Corrigendum 1
- **ISO/IEC 14496-16:2004/Cor 2:2005**
Information technology — Coding of audio-visual objects — Part 16: Animation Framework eXtension (AFX) — Technical Corrigendum 2
- **ISO/IEC 14496-16:2004/Amd 1:2006**
Information technology — Coding of audio-visual objects — Part 16: Animation Framework eXtension (AFX) — Amendment 1, “Morphing and textures”
- **ISO/IEC 14651:2001/Amd 2:2005**
Information technology — International string ordering and comparison — Method for comparing character strings and description of the common template tailorable ordering — Amendment 2
- **ISO/IEC 14776-222:2005**
Information technology — Small Computer System Interface (SCSI) — Part 222: Fibre Channel Protocol for SCSI, Second Version (FCP-2)
- **ISO/IEC 14776-452:2005**
Information technology — Small Computer System Interface (SCSI) — Part 452: SCSI Primary Commands - 2 (SPC-2)
- **ISO/IEC 15408-1:2005**
Information technology — Security techniques — Evaluation criteria for IT security — Part 1: Introduction and general model
- **ISO/IEC 15408-2:2005**
Information technology — Security techniques — Evaluation criteria for IT security — Part 2: Security functional requirements
- **ISO/IEC 15408-3:2005**
Information technology — Security techniques — Evaluation criteria for IT security — Part 3: Security assurance requirements
- **ISO/IEC TR 15443-1:2005**
Information technology — Security techniques — A framework for IT security assurance — Part 1: Overview and framework
- **ISO/IEC TR 15443-2:2005**
Information technology — Security techniques — A framework for IT security assurance — Part 2: Assurance methods
- **ISO/IEC 15444-1:2004/Amd 1:2006**
Information technology — JPEG 2000 image coding system: Core coding system — Amendment 1, “Profiles for digital cinema applications”



Notice of Intent (cont'd)

- **ISO/IEC 15444-2:2004/Cor 3:2005**
Information technology — JPEG 2000 image coding system: Extensions — Technical Corrigendum 3
- **ISO/IEC 15444-2:2004/Amd 2:2006**
Information technology — JPEG 2000 image coding system: Extensions — Amendment 2, “Extended capabilities marker segment”
- **ISO/IEC 15476-3:2006**
Information technology — CDIF semantic metamodel — Part 3: Data definitions
- **ISO/IEC 15476-4:2005**
Information technology — CDIF semantic metamodel — Part 4: Data models
- **ISO/IEC 15476-6:2006**
Information technology — CDIF semantic metamodel — Part 6: Stateevent models
- **ISO/IEC 15938-1:2002/Cor 2:2005**
Information technology — Multimedia content description interface — Part 1: Systems — Technical Corrigendum 2
- **ISO/IEC 15938-1:2002/Amd 1:2005**
Information technology — JPEG 2000 image coding system: Extensions — Amendment 1, “System extensions”
- **ISO/IEC 15938-5:2003/Amd 2:2005**
Information technology — Multimedia content description interface — Part 5: Multimedia description schemes — Amendment 2, “Multimedia description schemes user preference extensions”
- **ISO/IEC TR 15938-8:2002/Cor 1:2005**
Information technology — Multimedia content description interface — Part 8: Extraction and use of MPEG-7 descriptions — Technical Corrigendum 1
- **ISO/IEC 16512-1:2005**
Information technology — Relayed Multicast Control Protocol (RMCP) — Part 1: Framework
- **ISO/IEC 16513:2005**
Information technology — Group management protocol
- **ISO/IEC 17341:2005**
Information technology — Data interchange on 120 mm and 80 mm optical disk using +RW format — Capacity: 4,7 Gbytes and 1,46 Gbytes per side (Recording speed up to 4X)
- **ISO/IEC 18010:2002/Amd 1:2005**
Information technology — Pathways and spaces for customer premises cabling — Amendment 1, “Multi-tenant pathways and spaces”
- **ISO/IEC 18013-1:2005**
Information technology — Personal identification — ISO-compliant driving licence — Part 1: Physical characteristics and basic data set

Notice of Intent (cont'd)

- **ISO/IEC 18023-1:2006**
Information technology — SEDRIS language bindings — Part 1: Functional specification
- **ISO/IEC FDIS 18023-2**
Information technology — SEDRIS — Part 2: Abstract transmittal format
- **ISO/IEC FDIS 18023-3**
Information technology — SEDRIS — Part 3: Transmittal format binary encoding
- **ISO/IEC 18025:2005**
Information technology — Environmental Data Coding Specification (EDCS)
- **ISO/IEC FDIS 18028-1**
Information technology — Security techniques — IT network security — Part 1: Network security management
- **ISO/IEC 18028-2:2006**
Information technology — Security techniques — IT network security — Part 2: Network security architecture
- **ISO/IEC 18028-3:2005**
Information technology — Security techniques — IT network security — Part 3: Securing communications between networks using security gateways
- **ISO/IEC 18028-4:2005**
Information technology — Environmental Data Coding Specification (EDCS)
- **ISO/IEC FDIS 18028-5**
Information technology — Security techniques — IT network security — Part 5: Securing communications across networks using virtual private networks
- **ISO/IEC 18031:2005**
Information technology — Security techniques — Random bit generation
- **ISO/IEC 18032:2005**
Information technology — Security techniques — Prime number generation
- **ISO/IEC 18033-1:2005**
Information technology — Security techniques — Encryption algorithms — Part 1: General
- **ISO/IEC 18033-2:2006**
Information technology — Security techniques — Encryption algorithms — Part 2: Asymmetric ciphers
- **ISO/IEC 18033-3:2005**
Information technology — Security techniques — Encryption algorithms — Part 3: Block ciphers
- **ISO/IEC 18033-4:2005**
Information technology — Security techniques — Encryption algorithms — Part 4: Stream ciphers



Notice of Intent (cont'd)

- **ISO/IEC 18041-4:2005**
Information technology — Computer graphics, image processing and environmental data representation — EDCS language binding — Part 4: C
- **ISO/IEC 18045:2005**
Information technology — Security techniques — Methodology for IT security evaluation
- **ISO/IEC TR 18047-2:2006**
Information technology — Radio frequency identification device conformance test methods — Part 2: Test methods for air interface communications below 135 kHz
- **ISO/IEC TR 18047-6:2006**
Information technology — Radio frequency identification device conformance test methods — Part 6: Test methods for air interface communications at 860 MHz to 960 MHz
- **ISO/IEC TR 18047-7:2005**
Information technology — Radio frequency identification device conformance test methods — Part 7: Test methods for active air interface communications at 433 MHz
- **ISO/IEC 18051:2005**
Information technology — Telecommunications and information exchange between systems — Services for Computer Supported Telecommunications Applications (CSTA) Phase III
- **ISO/IEC 18056:2005**
Information technology — Telecommunications and information exchange between systems — XML Protocol for Computer Supported Telecommunications Applications (CSTA) Phase III
- **ISO/IEC 19501:2005**
Information technology — Open Distributed Processing — Unified Modeling Language (UML) Version 1.4.2
- **ISO/IEC 19502:2005**
Information technology — Meta Object Facility (MOF)
- **ISO/IEC 19503:2005**
Information technology — XML Metadata Interchange (XMI)
- **ISO/IEC 19757-3:2006**
Information technology — Document Schema Definition Languages (DSDL) — Part 3: Rule-based validation — Schematron
- **ISO/IEC FDIS 19757-4**
Information technology — Document Schema Definition Languages (DSDL) — Part 4: Namespace-based Validation Dispatching Language (NVDL)
- **ISO/IEC TR 19758:2003/Amd 1:2005**
Information technology — Document description and processing languages — DSSSL library for complex compositions — Amendment 1, “Extensions to basic composition styles and tables”



Notice of Intent (cont'd)

- **ISO/IEC TR 19758:2003/Amd 2:2005**
Information technology — Document description and processing languages — DSSSL library for complex compositions — Amendment 2, “Extensions to multilingual compositions (South-East Asian compositions)”
- **ISO/IEC TR 19758:2003/Amd 3:2005**
Information technology — Document description and processing languages — DSSSL library for complex compositions — Amendment 3, “Extensions to Multilingual Compositions (North and South Asian Compositions)”
- **ISO/IEC TR 19767:2005**
Information technology — Programming languages — Fortran — Enhanced Module Facilities
- **ISO/IEC 19770-1:2006**
Information technology — Software asset management — Part 1: Processes
- **ISO/IEC 20000-1:2005**
Information technology — Service management — Part 1: Specification
- **ISO/IEC 20000-2:2005**
Information technology — Service management — Part 2: Code of practice
- **ISO/IEC TR 20943-3:2004**
Information technology — Procedures for achieving metadata registry content consistency — Part 3: Value domains
- **ISO/IEC 21000-2:2005**
Information technology — Multimedia framework (MPEG-21) — Part 2: Digital Item Declaration
- **ISO/IEC TR 24704:2004**
Information technology — Customer premises cabling for wireless access points
- **ISO/IEC TR 24718:2005**
Information technology — Programming languages — Guide for the use of the Ada Ravenscar Profile in high integrity systems
- **ISO/IEC 24723:2006**
Information technology — Automatic identification and data capture techniques — EAN.UCC Composite bar code symbology specification
- **ISO/IEC FDIS 24724**
Information technology — Automatic identification and data capture techniques — Reduced Space Symbology (RSS) bar code symbology specification
- **ISO/IEC 24728:2006**
Information technology — Automatic identification and data capture techniques — MicroPDF417 bar code symbology specification



Notice of Intent (cont'd)

- **ISO/IEC TR 24746:2005**

Information technology — Generic cabling for customer premises — Mid-span DTE power insertion

- **ISO/IEC 27001:2005**

Information technology — Security techniques — Information security management systems — Requirements

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

- **T569, 1st edition**

Commercial Building Standard for Telecommunications Pathways and Spaces
(Adopted TIA-569, revision B)



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

B128.1-06/B128.2-06, 1st edition

Design and Installation of Non-Potable Water Systems /

Maintenance and Field Testing of Non-Potable Water Systems..... \$50

B128.1 specifies requirements for the design and installation of non-potable water systems for applications such as flushing toilets, irrigating lawns and gardens, washing automobiles, showering, bathing, washing clothes, or heating and cooling.

B128.2 specifies requirements for the maintenance and field testing of non-potable water systems.

CAN/CSA-ISO 19901-4:06, 1st edition

Petroleum and natural gas industries — Specific requirements for offshore structures —

Part 4: Geotechnical and foundation design considerations (Adopted ISO 19901-4:2003, first edition, without modification) \$130

This standard contains requirements and recommendations for those aspects of geoscience and foundation engineering that are applicable to a broad range of offshore structures, rather than to a particular structure type. Such aspects are:

- site characterization
- soil and rock characterization
- design and installation of foundations supported by the seabed (shallow foundations)
- identification of hazards.

Amendments

CAN/CSA-A23.1-04 / CAN/CSA-A23.2-04

Concrete Materials and Methods of Concrete Construction / Methods of Test and Standard Practices for Concrete

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

Modifications publiées en français

CAN/CSA-A23.1-04 / CAN/CSA-A23.2-04

Béton : Constituants et exécution des travaux / Méthodes d'essai et pratiques normalisées pour le béton

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



Reaffirmed Standards

B196.3-M1983 (R2006)

PVC Underground Telecommunication Cable Ducting and Fittings

G401-01 (R2006)

Corrugated Steel Pipe Products

Under Development

Notice of Intent

For more information about the proposed development of the following new project, contact Mark Braiter at 416-747-2745 or mark.braiter@csa.ca:

- **S408, 2nd edition**
Guidelines for the Development of Limit States Design

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
June 30, 2006	Publication of revisions to NSF/ANSI 53-2005, NSF/ANSI 53-2006, and Amendment 1.0-2006, <i>Drinking Water Treatment Units — Health Effects.</i>	Drinking Water Products No. 3
June 30, 2006	Publication of NSF/ANSI 58-2006, <i>Reverse Osmosis Drinking Water Treatment Systems.</i>	Drinking Water Products No. 4

Certification Notices

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

Effective Date	Subject	Title
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
October 1, 2006	Publication of CSA standard B66-05, <i>Design, Material, and Manufacturing Requirements for Prefabricated Septic Tanks and Sewage Holding Tanks.</i> All previously certified concrete tanks are required to be re-certified to the new requirements.	Plumbing Products No. 163
November 30, 2006	Publication of CSA standard B602-05, <i>Mechanical Couplings for Drain, Waste, and Vent Pipe and Sewer Pipe.</i>	Plumbing Products No. 165

Certification Notices (cont'd)

Effective Date	Subject	Title
April 1, 2007	Publication of CSA standard A440.2-04/A440.3-04, <i>Energy Performance of Windows and other Fenestration Systems / User Guide to CSA A440.2-04.</i>	Building Products and Materials No. 13
▶ May 1, 2007	Publication of Update #2 to CSA standard B127.1-99, <i>Asbestos Cement Drain Waste and Vent Pipe and Pipe Fittings.</i>	Plumbing Products No. 168



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

C22.2 No. 49-06, 12th edition

Flexible Cords and Cables (trilateral standard with NMX-J-436-ANCE, third edition, and UL 62, seventeenth edition)..... \$205

This standard specifies requirements for flexible cords, elevator cables, and hoistway cables, rated 600 V maximum, and intended for use in accordance with C22.1, *Canadian Electrical Code, Part I*, and C22.2 No. 0, *General Requirements – Canadian Electrical Code, Part II*, in Canada; NOM-001-SEDE, *La Norma de Instalaciones Electricas* (Mexican Electrical Code), in Mexico; and NFPA 70, *National Electrical Code*, in the United States.

This standard covers the following products:

- service cords
- elevator cables
- hoistway cables
- heater cords
- range and dryer cords
- cords for decorative lighting
- tinsel and lamp cords
- special use cords.

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

C22.2 No. 227.1-06, 4th edition

Electrical Nonmetallic Tubing (bi-national standard with UL 1653, second edition) \$205

This standard applies to corrugated electrical nonmetallic tubing (ENT) and mechanically-attached fittings, for use in accordance with the *Canadian Electrical Code, Part I* and the *National Electrical Code*. The requirements in this standard also apply to mechanically-attached fittings integral with an outlet box.

CAN/CSA-C22.2 No. 61029-2-8:06, 1st edition (bilingual)

Safety of transportable motor-operated electric tools (Adopted CEI/IEC 1029-2-8:1995, first edition, including Amendment 1:1999 and Amendment 2:2001, without modification) \$140

This standard applies to transportable single-spindle vertical moulders with a maximum cutter block diameter of 180 mm.

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



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

CAN/CSA-CEI/IEC 61000-4-4:06, 2nd edition (bilingual)
Electromagnetic compatibility (EMC) — Part 4-4: Testing and measurement techniques — Electrical fast transient/burst immunity test (Adopted CEI/IEC 61000-4-4:2004, second edition, without modification) \$140

This standard provides, for electrical and electronic equipment, immunity requirements and test procedures related to electrical fast transients/bursts

The object of this standard is to establish a common and reproducible reference for evaluating the immunity of electrical and electronic equipment when subjected to electrical fast transient/bursts on supply, signal, control, and earth ports. The test method documented in this standard describes a consistent method for assessing the immunity of equipment or systems against a defined phenomenon.

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

CAN/CSA-CEI/IEC 61000-4-34:06, 1st edition (bilingual)
Electromagnetic compatibility (EMC) — Part 4-34: Testing and measurement techniques — Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current more than 16 A per phase (Adopted CEI/IEC 61000-4-34:2005, first edition, without modification) \$105

This standard defines the immunity test methods and range of preferred test levels for electrical and electronic equipment connected to low-voltage power supply networks for voltage dips, short interruptions, and voltage variations.

This standard applies to electrical and electronic equipment having a rated input current exceeding 16 A per phase. It covers equipment installed in residential areas as well as industrial machinery, specifically voltage dips and short interruptions for equipment connected to either 50 Hz or 60 Hz a.c. networks, including 1-phase and 3-phase mains.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

C22.1-06, 20^e édition
Code canadien de l’électricité, Première partie, Norme de sécurité relative aux installations électriques..... 135 \$

La 20^e édition du **Code canadien de l’électricité** vous est maintenant offerte dans un cahier à reliure spirale accompagnée du **Guide de poche sur le CCE 2006**.

Ce code a pour objet d’établir des normes de sécurité relatives à l’installation et à l’entretien de l’appareillage électrique. Au cours de son élaboration, on a tenu compte de la prévention des risques d’incendie et de chocs électriques ainsi que de l’entretien nécessaire et du bon fonctionnement des appareils.



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

C22.1-06 (suite)

La conformité à ce code ainsi qu'un entretien adéquat assureront la sécurité indispensable de l'installation.

Ce code n'est pas destiné à servir de spécification de conception ni de manuel d'instructions à l'usage de personnes non qualifiées.

Le code traite des principes fondamentaux liés à la protection de la sécurité qui font l'objet de la section 131 de la CEI 60364-1, laquelle traite de la protection contre les chocs électriques, les effets thermiques, les surtensions, les courant de défaut et les surintensités.

Ce code s'applique à tous les travaux d'électricité et tout appareillage électrique fonctionnant ou destiné à fonctionner sous toutes les tensions possibles dans les installations électriques des bâtiments, constructions et propriétés, y compris les constructions déménageables et non déménageables fabriquées en usine et les bateaux autopropulsés immobilisés pour des périodes dépassant cinq mois et branchés, continuellement ou de temps en temps à une alimentation électrique côtière, à l'exception :

- des installations ou de l'appareillage utilisés par un service public d'électricité, de télécommunications ou de télédistribution, reconnu comme tel par les pouvoirs de réglementation compétents et situés à l'extérieur ou à l'intérieur des bâtiments ou parties de bâtiments réservés à cet usage
- de l'appareillage et des installations utilisés pour l'exploitation de chemins de fer électriques et alimentés exclusivement par les circuits alimentant la force motrice
- des installations ou de l'appareillage utilisés par les chemins de fer à des fins de signalisation et de télécommunications et situés à l'extérieur ou à l'intérieur des bâtiments ou parties de bâtiments réservés à cet usage
- des aéronefs
- des réseaux électriques des navires lesquels sont régis par Transports Canada.

En ce qui a trait aux installations électriques dans les mines et les carrières, voir aussi la norme CAN/CSA-M421.

Le Guide de poche sur le CCE 2006 est un document qui accompagne l'édition 2006 du Code canadien de l'électricité, Première partie. Il permet au lecteur de consulter rapidement les sections du code les plus utilisées et présente des tableaux, des schémas et des renseignements utiles.

Le guide de poche a pour but de permettre une consultation rapide et facile des exigences sur place. Comme il n'est pas exhaustif, il ne peut pas remplacer le *Code canadien de l'électricité, Première partie*.

**Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)****C22.2 n° 188-04, 2^e édition**

Serre-fils (norme trinationale avec NMX-J-548-ANCE-2004 et UL486C) 195 \$

Cette norme s'applique aux serre-fils et aux connecteurs de câble posés à la main ou à l'aide d'un outil et destinés à tous les conducteurs en alliage de cuivre ou d'aluminium (ou les deux), conformément à la norme canadienne CSA C22.1, *Code canadien de l'électricité, Première partie*, à la norme américaine NFPA 70, *National Electrical Code*, ou à la norme mexicaine NOM-001-SEDE, *Standard for Electrical Installations*, plus spécifiquement :

- aux connecteurs destinés à recevoir un ou plusieurs conducteurs
- aux connecteurs destinés à des appareils et appareillages et qui satisfont aux exigences pertinentes à ces derniers
- aux connecteurs destinés à des conducteurs 6 AWG (13,3 mm²) ou de section inférieure
- aux connecteurs non isolés utilisés dans des circuits d'au plus 8000 V.

C22.2 n° 2556-05, 1^{re} édition

Modes opératoires d'essai des fils et câbles (norme trinationale avec NMX-J-556-ANCE, première édition et UL 2556, première édition) 195 \$

Cette norme décrit l'appareillage, les modes opératoires et les formules à utiliser pour les essais, ainsi que les calculs afférents, prescrits par les normes visant les fils et câbles.

CAN/CSA-C22.2 n° 60745-2-1-04, 2^e édition

Outils électroportatifs à moteur — Sécurité — Partie 2-1 : Règles particulières pour perceuses et perceuses à percussion (norme binationale avec UL 60745-2-1, deuxième édition) 260 \$

Cette norme s'applique aux perceuses et perceuses à percussion.

Cette norme est offerte en format PDF seulement.

CAN/CSA-C22.2 n° 61029-2-8:06, 1^{re} édition (bilingue)

Sécurité des machines-outils électriques semi-fixes — Partie 2: Règles particulières pour les toupies monobroches verticales (norme CEI/IEC 1029-2-8:1995, première édition, comprenant l'amendement 1:1999 et l'amendement 2:2001, adoptée sans modifications) 140 \$

Cette norme s'applique aux toupies monobroches verticales semi-fixes munies d'un outil coupant d'un diamètre maximal de 180 mm.

Cette norme est offerte en format PDF seulement.



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

CAN/CSA-CEI/IEC 61000-4-4:06, 3^e édition (bilingue)

Compatibilité électromagnétique (CEM) — Partie 4-4: Techniques d'essai et de mesure — Essais d'immunité aux transitoires électriques rapides en salves (norme CEI/IEC 61000-4-4:2004, deuxième édition, adoptée sans modification)..... 140 \$

Cette norme concerne l'immunité des matériels électriques et électroniques aux transitoires rapides répétitifs. Elle donne les exigences d'immunité et les procédures d'essai relatives aux transitoires électriques rapides en salves.

L'objet de cette norme est d'établir une référence commune et reproductible dans le but d'évaluer l'immunité des matériels électriques et électroniques, quand ils sont soumis aux transitoires électriques rapides en salves sur les accès d'alimentation, de signal, de commande et de terre. La méthode d'essai documentée dans cette norme décrit une méthode cohérente dans le but d'évaluer l'immunité d'un matériel ou système vis-à-vis d'un phénomène défini.

Cette norme est offerte en format PDF seulement.

CAN/CSA-CEI/IEC 61000-4-34:06, 1^{re} édition (bilingue)

Compatibilité électromagnétique (CEM) — Partie 4-34: Techniques d'essai et de mesure — Essais d'immunité aux creux de tension coupures brèves et variations de tension pour matériel ayant un courant appelé de plus de 16 A par phase (norme CEI/IEC 61000-4-34:2005, première édition, adoptée sans modification)..... 105 \$

Cette norme définit les méthodes d'essai d'immunité ainsi que la gamme des niveaux d'essais préférés pour les matériels électriques et électroniques connectés à des réseaux d'alimentation basse tension pour les creux de tension, les coupures brèves et les variations de tension.

Cette norme s'applique aux matériels électriques et électroniques dont le courant nominal d'entrée dépasse 16 A par phase. Elle s'applique aux matériels installés dans des environnements résidentiels de même qu'aux matériels industriels, pour l'aspect creux de tension et coupures brèves des équipements, monophasés et triphasés, reliés à des réseaux électriques alternatif de 50 Hz ou 60 Hz.

Amendments

C22.2 No. 4-04

Enclosed and Dead-Front Switches (Tri-national standard with NMX-J-162-ANCE-2004, second edition, and UL 98, thirteenth edition)

Revisions to the title page, the copyright page, the contents, the preface, Clauses 1.3, 1.3.1, 6.8.1, 7.2.4, 7.7.1, 7.10, 9.2.2.1, and 9.2.14, and the Technical Committee list. Addition of Clause 6.8.5. Deletion of the ANCE and UL Forewords.

C22.2 No. 100-04

Motors and Generators

Revision of the contents, the preface, Clause 4.14, Figures 5, 6, and 7, and Annex B. Addition of Clause 4.15.



Amendments (cont'd)

C22.2 No. 218.2-93

Hydromassage Bathtub Appliances

Revision of the contents, Clauses 1, 2, 3.2, and 4.5.1, and Figure 4. Addition of Clause 8 and Figures 8, 9, and 10.

CAN/CSA-C22.2 No. 236-05

Heating and Cooling Equipment (bi-national standard with UL 1995, 3rd edition)

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

C22.2 No. 243-01

Vacuum Cleaners, Blower Cleaners, and Household Floor Finishing Machines (bi-national standard with UL 1017, 7th edition)

Revision of the title page, the copyright page, the Contents, the Preface, Clauses 2.1, 3.2.1, 3.4.1, 3.4.2, 4.4.5.5.2, 5.2.3.1, 5.3.1, 5.3.5, 5.5.1, 5.12.2.1, 5.12.2.3, 5.12.2.6, 5.12.5.1, 5.12.5.2, 5.12.6.1–5.12.6.3, 5.12.7.1, 6.12.1, 6.20.1.1, 7.5.1, 9.1.2, and 10.2.7, and Tables 3 and 17.

C22.2 No. 250.0-04

Luminaires (bi-national standard with UL 1598, 2nd edition)

Revision of the title page, the copyright page, the contents, the preface, Clauses 6.9.3 (MEX), 6.13.3.2, 6.13.3.3, 7.2.1.2(f), 14.12.3 (MEX), 14.12.4 (MEX), 16.37.3 (MEX), 16.37.4 (MEX), 16.37.5 (MEX), 16.37.6 (MEX), and 16.37.7 (MEX), Tables 4.2.1, 4.2.2, 6.9.1, 20.1.1, and A.1, and Figures 6.14.2.1, 7.2.6.1, 16.37.4 (MEX), 16.37.5 (MEX), 16.37.6 (MEX), 19.9.1, 19.13.3.2, 19.14.1.2, 19.22.1, and 19.24.1. Deletion of the ANCE and UL Forewords.

CAN/CSA-C22.2 No. 60065A:06 (bilingual)

Amendment 1:2006 to CAN/CSA-C22.2 No. 60065:03, "Audio, video and similar electronic apparatus — Safety requirements" (Adopted Amendment 1:2005 to CEI/IEC 60065:2001, without modification)

\$90

This document provides revisions to CAN/CSA-C22.2 No. 60065:03.

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

CAN/CSA-C68.3-97 (R2001)

Shielded and Concentric Neutral Power Cables Rated 5–46 kV

Revision of Clauses 3.1, 4.2.1, 6.3.13, and 6.4.9 and Tables 2, 5, 6, and 27.

Modifications publiées en français

CAN/CSA-C22.2 n° 236-05

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

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.

CAN/CSA-C22.2 n° 60065A:06 (bilingue)

Modification 1:2006 à la norme CAN/CSA-C22.2 n° 60065a:03, « Appareils, audio, vidéo et appareils électroniques analogues — Exigences de sécurité » (l'amendement 1:2005 à la norme CEI/IEC 60065:2001, adoptée sans modification) 90 \$

Ce document renferme des modifications à la CAN/CSA C22.2 n° 60065:03.

Cette norme est offerte en format PDF seulement.

CAN/CSA-C68.3-97 (R2001)

Câbles de puissance avec écran et à neutre concentrique d'une tension nominale de 5 à 46 kV

Des modifications ont été apportées aux articles 3.1, 4.2.1, 6.3.13 et 6.4.9, ainsi qu'aux tableaux 2, 5, 6, 14, 27 et C5.

Reaffirmed Standards

CAN/CSA-C22.2 No. 0-M91 (R2006)

General Requirements — Canadian Electrical Code, Part II

Formal Interpretations

The following interpretation regarding **CSA standard C22.1**, Section 0, has been approved by the Technical Committee on CE Code, Part I.

A new CSA standard for switchboards rated 600 V and less is under development as a harmonized trinational standard with the USA and Mexico. Clause 8.6.3.2 within this draft reads as follows:

8.6.3.2

“Service disconnecting devices shall be capable of external manual operation to simultaneously disconnect, under rated load conditions, all ungrounded conductors of the circuit controlled by the device. An electrically operated switch or circuit breaker need not be capable of being externally operable by hand to the closed position.”

Question: Does the second sentence in this clause conflict with the CEC Part I definition of Service Box?

Answer: YES.



Under Development

Notice of Intent

For more information about the proposed development of the following new projects, contact John O'Neill at 416-747-4042 or john.oneill@csa.ca:

- **IEC 61000-3-12, edition 1.0 (with Canadian deviations)**
Electromagnetic compatibility (EMC) — Part 3-12: Limits — Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current $>16\text{ A}$ and $\leq 75\text{ A}$ per phase
- **IEC 61000-4-3, edition 3.0 (without modification)**
Electromagnetic compatibility (EMC) — Part 4-3: Testing and measurement techniques — Radiated, radio-frequency, electromagnetic field immunity test

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

- **IEC 61730-1, edition 1.0**
Photovoltaic (PV) module safety qualification — Part 1: Requirements for construction
- **IEC 61730-2, edition 1.0**
Photovoltaic (PV) module safety qualification — Part 1: Requirements for testing

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

- **C22.2 No. 27, 6th edition**
Busways

For more information about the proposed development of the following new project, contact Jose Luis Hernandez at 416-747-2519 or joseluis.hernandez@csa.ca:

- **C860, 3rd edition**
Performance of Internally Lighted Exit Signs

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 August 28, 2006.

Proposed Amendments

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

- **C22.2 No. 182.1-02**
Plugs, Receptacles and Connectors of the Pin and Sleeve Type
Revision of Clause 3.
- **C22.2 No. 214-02**
Communications Cables
Revision of Clause 6.1.3 and addition of Clauses 6.22 and 7.3.8.

Proposed Reaffirmation of Standards

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

CAN/CSA-C50-97 (R2001)
Insulating Oil, Electrical for Transformers and Switches

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
March 31, 2006	Publication of Technical Information Letter H-13B, covering air cleaners that incorporate features that intentionally generate ozone. (Supersedes Electric Air Cleaners No. 1.)	Electric Air Cleaners No. 3
April 21, 2006	Introduction of a Component Acceptance Program for arc fault circuit interrupters and arc fault protection devices. Bi-national standard CSA C22.2 No. 117/UL 484, <i>Room Air Conditioners</i> , has been amended to require arc fault detection or equivalent protection.	Component Acceptance Service No. 42
June 7, 2006	Publication of CSA standard C22.2 No. 168-2005, <i>Commercial Dishwashers</i> (bi-national with ANSI Z83.21-2005 and UL 921-2005).	Appliances No. 13
June 16, 2006	Publication of CSA standard C22.2 No. 198.1-06, <i>Extruded Insulating Tubing</i> .	Wire and Cable No. 124



Certification Notices

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

Effective Date	Subject	Title
July 28, 2006	Publication of CSA standard C22.2 No. 144.1-06, <i>Ground Fault Circuit Interrupters</i> .	Ground Fault Circuit Interrupters No. 5
July 28, 2006	Publication of CSA standard C22.2 No. 14-05, <i>Industrial Control Equipment</i> .	Industrial Control Equipment No. 17
July 31, 2006	Publication of Technical Information Letter No. D-29, providing interim certification requirements for disconnect switches incorporating button contacts.	Switches No. 9
August 1, 2006	Publication of CSA standard C22.2 No. 227.3-05, <i>Nonmetallic Mechanical Protection Tubing (NMPT)</i> (bi-national standard with UL 1696).	Conduit No. 16
August 31, 2006	Publication of Technical Information Letter No. C-39, providing interim certification requirements for cord-connected, portable deep fat fryers, cooker/fryers, frying pans, and similar appliances.	Appliances No. 11
September 1, 2006	Publication of amendments to CSA standard C22.2 No. 117-1970 (R2002), <i>Room Air-Conditioners</i> .	Room Air-Conditioners No. 1
September 1, 2006	Publication of CSA standard C22.2 No. 198.3-05, <i>Coated Electrical Sleeving</i> (bi-national standard, with UL 1441). (Supersedes Wire and Cable No. 61.)	Wiring Devices No. 42
September 1, 2006	Publication of Technical Information Letter No. G-48, providing interim certification requirements for clothes dryer booster fans.	Fans and Ventilators No. 6
October 31, 2006	Publication of CSA standard C22.2 No. 42.1-00, <i>Cover Plates for Flush-Mounted Wiring Devices</i> (bi-national standard with UL 514D).	Wiring Devices No. 39
November 1, 2006	A new effective date for the sixth edition of CSA standard C22.2 No. 100-04, <i>Motors and Generators</i> . (Supersedes Motors and Generators No. 4.)	Motors and Generators No. 5

Certification Notices (cont'd)

Effective Date	Subject	Title
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
▶ March 26, 2007	Publication of the ninth edition of UL 197, <i>Commercial Electric Cooking Appliances</i> .	Appliances No. 6B
March 30, 2007	Publication of Technical Information Letter No. A-32, providing interim certification requirements for outdoor portable multiple-receptacle extension boxes.	Wiring Devices No. 41
June 1, 2007	Publication of CSA standard C22.2 No. 198.2-05, <i>Sealed Wire Connector Systems</i> (tri-national standard with UL486D and NMX-J-519-ANCE-05).	Wiring Devices No. 43
June 1, 2007	Publication of amendments to CSA standard CAN/CSA-C22.2 No. 60745-1-04, <i>Hand-held motor-operated electric tools — Safety — Part 1: General requirements</i> (bi-national standard, with UL 60745-1), and four new CAN/CSA-60745 Part 2-05 standards, covering concrete vibrators, strapping tools, band saws, and drain cleaners.	Electrical Tools No. 16
August 1, 2007	Publication of CSA standard C22.2 No. 182.1-02, <i>Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type</i> (bi-national standard with UL 1682).	Wiring Devices No. 44
August 31, 2007	Publication of CSA standard C22.2 No. 38-05, <i>Thermosetting Insulated Wires and Cables</i> , and Technical Information Letter No. J-35, covering additional certification requirements (Heat Deformation Test).	Wire and Cable No. 118
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
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

Reaffirmed Standards

CAN3-N290.1-80 (R2006)

Requirements for the Shutdown Systems of CANDU Nuclear Power Plants

CAN3-N290.4-M82 (R2006)

Requirements for the Reactor Regulating Systems of CANDU Nuclear Power Plants

CAN3-N290.6-M82 (R2006)

Requirements for Monitoring and Display of CANDU Nuclear Power Plant Status in the Event of an Accident

N292.2-96 (R2006)

Dry Storage of Irradiated Fuel

Formal Interpretations

The following interpretation regarding Clause 6.4.5 of CSA standard B139-04, *Installation Code for Oil-Burning Equipment*, has been approved by the Technical Committee on Installation Code for Oil Burning Equipment.

Question: Can a 1000 gal. double walled tank that only has top connections be installed in the lowest storey cellar, or basement of a building?

Answer: No.

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
June 16, 2006	Publication of the 9th edition of UL 727, <i>Oil-Fired Central Furnaces</i> .	Fuel Burning Equipment No. 93



Certification Notices

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

Effective Date	Subject	Title
December 1, 2006	Publication of CSA standard B140.7-05, <i>Oil-Burning Equipment: Steam and Hot-Water Boilers</i> . (Supersedes the previous editions of CSA B140.7.1-1976, <i>Oil-Fired Steam and Hot-Water Boilers for Residential Use</i> , and CSA B140.7.2-1976, <i>Oil-Fired Steam and Hot Water Boilers for Commercial Use</i> .)	Fuel Burning Equipment No. 86
December 1, 2006	Publication of CSA standard B140.12-03, <i>Oil-Burning Equipment: Service Water Heaters for Domestic Hot Water, Space Heating, and Swimming Pools</i> .	Fuel Burning Equipment No. 87
December 1, 2006	Publication of CSA B140.4-04, <i>Oil-Fired Warm Air Furnaces</i> .	Fuel Burning Equipment No. 88



Completed Projects / Projets terminés

Reaffirmed Standards

CAN/CSA-ISO/TR 14049-01 (R2006)

Environmental management — Life cycle assessment — Examples of application of ISO 14041 to goal and scope definition and inventory analysis (Adopted ISO/TR 14049:2000, 1st edition, without modification)



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

Gas Technician Training 1 — Module 26, 3rd edition

Flame Safeguard..... \$40

This module covers typical flame safeguard controls used on industrial and commercial equipment, and gas-fired burners and associated equipment used to manage the burner's operation. This equipment includes flame detectors, operating and safety devices used to stop and start the burner, valves, sequencing relays, and auxiliary controls used in burner safety control systems.

Gas Technician Training 1 — Module 27A, 3rd edition

Commercial/Industrial Appliances over 400 000 Btu/h (120 kW)..... \$40

This module covers the installation and start-up of commercial and industrial equipment over 400 000 Btu/h (120 kW) in accordance with the *B149 Code* series.

This module is designed to provide the gas technician with a thorough understanding of the following:

- gas piping requirements
- ventilation and combustion air requirements
- venting requirements
- installation requirements
- activation procedures for commercial/industrial appliances
- service, maintenance, and troubleshooting procedures
- water treatment requirements.

Gas Technician Training 1 — Module 27B, 3rd edition

Commercial Cooking Equipment..... \$40

This module is designed to provide the gas technician with a thorough knowledge and understanding of the following:

- codes and standards for commercial cooking equipment
- typical commercial cooking equipment
- installation, servicing, and maintenance of commercial cooking equipment
- ventilation requirements.



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

Gas Technician Training 1 — Module 28, 3rd edition
Gas-Fired Air Conditioning..... \$40

This module is designed to provide the gas technician with a thorough knowledge and understanding of the following:

- safety hazards associated with ammonia and lithium bromide
- principles of refrigeration and cooling
- key cooling and refrigeration terms
- operation of an ammonia-water cooling system
- operation of a water-lithium bromide system
- operation of a gas-fired absorption chiller-heater unit
- installation and operational considerations for absorption chiller-heater units.

Gas Technician Training 1 — Module 29, 3rd edition
Electricity..... \$40

This module covers electrical controls of gas-fired equipment over 400 000 Btu/h (120 kW).

This module is designed to provide the gas technician with a thorough knowledge and understanding of the following:

- identifying potential hazards and describing safe practices for working with wiring systems
- identifying and diagnosing electrical wiring systems and circuit controls
- describing electrical theory and concepts in gas-fired equipment
- reading, interpreting, and drawing wiring diagrams, schematics, and symbols related to gas equipment over 400 000 Btu/h (120 kW)
- performing calculations to determine electric motor size requirements.

Gas Technician Training 1 — Module 30, 3rd edition
Controls \$40

This module is designed to provide the gas technician with a thorough knowledge and understanding of the following:

- basic functions of controls
- common control terms
- function and selection criteria for mechanical controls
- function and selection criteria for electrical controls
- interaction of mechanical and electrical control devices
- troubleshooting procedures for control systems
- propane and natural gas code requirements for controls on appliances over 400 000 Btu/h (120 kW)
- reviewing a control system application to ensure that manufacturer and Code requirements are met.

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

Gas Technician Training 1 — Module 31, 3rd edition

Valve Trains and Burners \$40

This module is designed to provide the gas technician with a thorough knowledge and understanding of the following:

- valve train components
- sequence of operation of major valve trains
- operation of common gas flow controllers
- common types of burners
- maintenance and troubleshooting procedures for valve trains and burners
- procedures for converting large appliances to alternate fuels.

Certification and Testing (CSA International)

Certification Notices

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

Effective Date	Subject	Title
July 1, 2006	Publication of ANSI/IAS LC1-2005/ CSA 6.26-2005, <i>Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)</i> . The revisions in this standard supersede any corresponding provisions of ANSI/IAS LC-1-1997, ANSI/IAS LC-1a-1999, and ANSI/IAS LC 1b-2001.	Gas Products No. 81
July 1, 2006	Publication of ANSI Z21.41a-2005/ CSA 6.9a-2005, <i>Quick Disconnect Devices for Use With Gas Fuel Appliances</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.41-2003/CSA 6.9-2003.	Gas Products No. 82
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 Z21.58-2005/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

**Certification Notices (cont'd)**

Effective Date	Subject	Title
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
August 1, 2006	Publication of ANSI Z21.13a-2005/ CSA 4.9a-2005, <i>Gas-Fired Low-Pressure Steam and Hot Water Boilers</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.13-2004/CSA 4.9-2004.	Gas Products No. 75
September 1, 2006	Publication of Update No. 14 to CSA standard CAN1-3.1-77 (R2001), <i>Industrial and Commercial Gas-Fired Package Boilers</i> .	Gas Products No. 86
September 1, 2006	Withdrawal of ANSI Z83.17/CAN1-3.12, <i>Direct Gas-Fired Door Heaters</i> . The certification of direct gas-fired door heaters is now covered under ANSI Z83.4/CSA 3.7, <i>Non-Recirculating Direct Gas-Fired Industrial Air Heaters</i> .	Gas Products No. 87
September 1, 2006	Publication of ANSI Z21.50b-2005/ CSA 2.22b-2005, <i>Vented Gas Fireplaces</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.50-2003/CSA 2.22-2003 and Z21.50a-2003/CSA 2.22a-2003.	Gas Products No. 91
September 1, 2006	Publication of ANSI Z21.86a-2005/ CSA 2.32a-2005, <i>Vented Gas-Fired Space Heating Appliances</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.86-2004/CSA 2.32-2004.	Gas Products No. 92
September 1, 2006	Publication of ANSI Z21.88-2005/ CSA 2.33-2005, <i>Vented Gas Fireplace Heaters</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.88-2002/ CSA 2.33-2002, ANSI Z21.88a-2003/ CSA 2.33a-2003, and ANSI Z21.88b-2003/ CSA 2.33b-2003.	Gas Products No. 93
May 1, 2007	Publication of ANSI Z21.58a-2006/ CSA 1.6a-2006, <i>Outdoor Cooking Gas Appliances</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.58-2005/ CSA 1.6-2005.	Gas Products No. 96

Certification Notices (cont'd)

Effective Date	Subject	Title
May 1, 2007	Publication of ANSI Z21.47b-2006/ CSA 2.3b-2006, <i>Gas-Fired Central Furnaces</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.47-2003/ CSA 2.3-2003 and Z21.47a-2004/CSA 2.3a-2004.	Gas Products No. 102
▶ July 1, 2007	Publication of ANSI Z21.10.1b-2006/ CSA 4.1b-2006, <i>Gas Water Heaters — Volume I, Storage Water Heaters with Input Rates of 75,000 Btu per Hour or Less</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.10.1-2004/CSA 4.1-2004 and ANSI Z21.10.1a-2006/CSA 4.1a-2006.	Gas Products No. 106



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

CAN/CSA-C22.2 No. 60601-2-45:02, 2nd edition (bilingual)

Medical electrical equipment — Part 2-45: Particular requirements for the safety of mammographic X-ray equipment and mammographic stereotactic devices (Adopted CEI/IEC 60601-2-45:2006, first edition [2001-05], without modification)..... \$165

This standard provides requirements for the safety of X-ray equipment designed for mammography and mammographic stereotactic devices. The safety requirements for the X-ray generator and its sub-assemblies form an integral part of this standard.

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

CAN/CSA-C22.2 No. 60601-2-49:04, 1st edition (bilingual)

Medical electrical equipment — Part 2-49: Particular requirements for the safety of multifunction patient monitoring equipment (Adopted CEI/IEC 60601-2-49:2006, first edition [2001-07], without modification) \$180

This standard specifies requirements for the safety of multifunction patient monitoring equipment; that is, modular or pre-configured devices, including more than one physiological monitoring unit, designed to collect information from a single patient and process it for monitoring purposes and to generate alarms.

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

CAN/CSA-ISO 17432:96, 1st edition

Health informatics — Messages and communication (Web access to DICOM persistent objects) (Adopted ISO 17432:2004, first edition, without modification) \$90

This standard specifies a web-based service for accessing and presenting DICOM (Digital Imaging and Communications in Medicine) persistent objects (e.g., images, medical imaging reports). The service is intended for distribution of results and images to health care professionals. It provides a simple mechanism for accessing a DICOM persistent object from HTML pages or XML documents, through HTTP/HTTPs protocol, using DICOM UIDs (Unique Identifiers). Data may be retrieved either in a presentation-ready form as specified by the requester (e.g., JPG or GIF) or in a native DICOM format.



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

CAN/CSA-ISO/TS 21667:06, 1st edition

Health informatics — Health indicators conceptual framework

(Adopted ISO/TS 21667:2004, first edition, without modification) \$95

This standard establishes a common health indicators conceptual framework for the field of health informatics. It is intended to foster a common vocabulary and conceptual definitions for a framework that:

- defines the appropriate dimensions and subdimensions required to describe the health of the population and the performance of a health care system
- is sufficiently broad (high-level) to accommodate a variety of health care systems
- is comprehensive, encapsulating all of the factors that are related to health outcomes and health system performance and utilization, and regional and national variations.

M676-06, 2nd edition

Agricultural cabs — Engineering control of environmental air quality. Part 1:

Definitions, test methods, and safety practices (Adopted ANSI/ASAE S515-1.2 JAN 03, without modification) \$35

This standard provides a quantitative method for establishing an engineering control (including definitions, performance criteria, and test procedures) for cabs (enclosures) used on agricultural tractors and self-propelled machines. This standard should only be used as part of a managed program of occupational health and safety, as defined by applicable regulations, when the machines operate in an environment where agricultural pesticides are present.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

CAN/CSA-C22.2 n° 60601-2-45:02, 2^e édition (bilingue)

Appareils électromédicaux — Partie 2-45: Règles particulières de sécurité pour les appareils de radiographie mammaire et les appareils mammographiques stéréotaxiques

(norme CEI/IEC 60601-2-45:2006, deuxième édition [2001-05], adoptée sans modifications) 165 \$

Cette norme contient des exigences relatives à la sécurité des équipements à rayonnement X destinés à la mammographie et des appareils de mammographie stéréotaxique. Les exigences relatives à la sécurité des groupes radiogènes et de leurs sous-ensembles font partie intégrante de la présente norme.

Ces normes sont offertes en format PDF seulement.

Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

CAN/CSA-C22.2 n° 60601-2-49:04, 1^{re} édition (bilingue)
Appareils électromédicaux — Partie 2-49: Règles particulières de sécurité des appareils de surveillance multifonction des patients (norme CEI/IEC 60601-2-49:2006, première édition [2001-07], adoptée sans modifications) 180 \$

Cette norme s'applique aux exigences de sécurité des appareils de surveillance multifonction des patients à savoir dispositif modulaire ou préconfiguré comprenant plusieurs unités de surveillance physiologique, destiné à recueillir des informations à partir d'un patient unique et à les traiter à des fins de surveillance, ainsi qu'à générer des alarmes.

Ces normes sont offertes en format PDF seulement.

CAN/CSA-ISO 17432:06, 1^{re} édition
Informatique de santé — Messages et communication — Accès au web pour les objets persistants DICOM (norme ISO 17432:2004, première édition, adoptée sans modifications) 90 \$

Cette norme spécifie un service basé sur le Web permettant l'accès et la présentation d'objets persistants DICOM (Digital Imaging and Communications in Medicine) par exemple images, comptes-rendus d'imagerie médicale. Elle a pour objet la communication de comptes-rendus et d'images aux professionnels de la santé. Elle fournit un moyen simple d'accès à un objet persistant DICOM à partir de pages HTML ou de documents XML, par l'intermédiaire d'un protocole HTTP/HTTPS, à l'aide d'identifiants uniques DICOM. Les données peuvent être récupérées soit dans un format classique comme spécifié dans la requête (par exemple JPEG ou GIF), soit dans un format DICOM natif.

Z1000-06, 1^{re} édition
Gestion de la santé et de la sécurité au travail 90 \$

Cette norme prescrit les exigences relatives à un système de gestion de la santé et de la sécurité au travail (SGSST). Elle est applicable aux organismes de toutes tailles et de toutes natures.

Amendments

CAN/CSA-B44.1-04/ASME-A17.5-2004
Elevator and Escalator Electrical Equipment

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

CAN/CSA-Z460-05
Control of Hazardous Energy — Lockout and Other Methods

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



Modifications publiées en français

CAN/CSA-B44.1-04/ASME-A17.5-2004

Appareillage électrique d'ascenseurs et d'escaliers mécaniques

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.

CAN/CSA-Z460-05

Maîtrise des énergies dangereuses : cadenassage et autres méthodes

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

Reaffirmed Standards

CAN/CSA-ISO 14971:01 (R2006)

Medical devices — Application of risk management to medical devices (Adopted ISO 14971:2000, first edition, without modification)

CAN/CSA-ISO 14971A:01 (R2006)

Amendment 1:2003, "Rationale for requirements," to CAN/CSA-ISO 14971:01, "Medical devices — Application of risk management to medical devices" (Adopted Amendment 1:2003 to ISO 14971:2000, without modification)

CAN/CSA-Z185-M1987 (R2006)

Safety Code for Personnel Hoists

Under Development

Notice of Intent

For more information about the proposed development of the following new projects, contact Jeet Tulshi at 416-747-2603 or jeet.tulshi@csa.ca:

- **ISO 14971, 2nd edition**
Medical devices — Application of risk management to medical devices
- **Z151, 1st edition**
Truck-Mounted Concrete Pipes

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 August 28, 2006.

Draft Standards

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

- **B44, 11th edition**
Safety Code for Elevators and Escalators

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

- **Z96.1, 1st edition**
Selection, Use, and Care of High-Visibility Safety Apparel
- **Z94.3, 7th edition**
Eye and Face Protectors
- **Z195, 6th edition**
Protective Footwear

Proposed Adoptions

For more information about the proposed adoption of the following ISO standards, contact Jeet Tulshi at 416-747-2603 or jeet.tulshi@csa.ca:

- **ISO/TS 14798:2006**
Lifts (elevators), escalators and moving walks — Risk assessment and reduction methodology
- **ISO/TS 22559-1:2004**
Safety requirements for lifts (elevators) — Part 1: Global essential safety requirements (GESRs)

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:

- **Z386-01**
Laser Safety in Health Care Facilities



Certification and Testing (CSA International)

Certification Notices

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

Effective Date	Subject	Title
October 1, 2006	Supplementary notice to Elevator Equipment No. 15, announcing a new effective date for compliance with the marking requirements of CSA standard B44.1-04/ASME A17.5–2004, <i>Elevator and Escalator Electrical Equipment</i> .	Elevator Equipment No. 15A

Completed Projects / Projets terminés

Withdrawn Standards

- **CAN/CSA-ISO 9000-2-98 (R2002)**
Quality management and quality assurance standards — Part 2: Generic guidelines for the application of ISO 9001, ISO 9002 and ISO 9003 (Adopted ISO 9000-2:1997, second edition, without modification)
- **CAN/CSA-ISO 9000-3-98 (R2002)**
Quality management and quality assurance standards — Part 3: Guidelines for the application of ISO 9001:1994 to the development, supply, installation and maintenance of computer software (Adopted ISO 9000-3:1997, second edition, without modification)
- **CAN/CSA-ISO 9000-4-96 (R2001)**
Quality management and quality assurance standards — Part 4: Guide to dependability programme management (Adopted ISO 9000-4:1993, first edition, without modification)
- **CAN/CSA-ISO 9004-2-94 (R2001)**
Quality management and quality system elements — Part 2: Guidelines for services (Adopted ISO 9004-2:1991, first edition, without modification)
- **CAN/CSA-ISO 9004-3-94 (R2001)**
Quality management and quality system elements — Part 3: Guidelines for processed materials (Adopted ISO 9004-3:1993, first edition, without modification)
- **CAN/CSA-ISO 9004-4-94 (R2001)**
Quality management and quality system elements — Part 4: Guidelines for quality improvement (Adopted ISO 9004-4:1993, first edition, without modification)



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