



**CANADIAN STANDARDS
ASSOCIATION**

INFO UPDATE

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Canadian Standards Association

Making Standards Work for People and Business

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

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

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

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

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

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

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About this publication

Info Update is published by the Canadian Standards Association (CSA) eight times a year. It contains important information about new and existing standards, and standards under development. It also gives you highlights of other activities and services.

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

Information is organized into the eight program areas listed below.



Communications/Information includes Information Technology • Telecommunications



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



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



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



Environment includes Environmental Management • Environmental Technology



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



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



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

What you'll find

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

Completed Projects / Projets terminés

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

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

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

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

▼ **Amendments**

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

▼ **Modifications publiées en français**

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

▼ **Adopted Standards**

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

▼ **Endorsed Standards**

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

Endorsed standards are not sold by CSA.

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

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

▼ Reaffirmed Standards

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

▼ Withdrawn Standards

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

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

▼ Formal Interpretations

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

Under Development

▼ Notice of Intent

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

▼ Drafts for Public Review

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

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

▼ Proposed Reaffirmation of Standards

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

▼ Proposed Withdrawal of Standards

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

▼ Status of Standards Projects

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

Certification and Testing (CSA International)

▼ **Informs Notices (Bulletins from CSA International)**

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

▼ **Certification Notices**

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

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



Communications/Information

[CAN/CSA-ISO/IEC 1539-1:05, 2nd edition](#)

Information technology — Programming languages — Fortran — Part 1: Base language
(Adopted ISO/IEC 1539-1:05)

[CAN/CSA-ISO/IEC 5218:05, 1st edition \(bilingual\)](#)

Information technology — Codes for the representation of human sexes
(Adopted ISO/IEC 5218:2004)

[CAN/CSA-ISO/IEC 7811-7:05, 1st edition](#)

Identification cards — Recording technique — Part 7: Magnetic stripe — High coercivity, high density (Adopted ISO/IEC 7811-7:2004).

[CAN/CSA-ISO/IEC 7816-5:05, 1st edition](#)

Identification cards — Integrated circuit cards — Part 5: Registration of application providers
(Adopted ISO/IEC 7816-5:2004)

[CAN/CSA-ISO/IEC 7816-6:05, 1st edition](#)

Identification cards — Integrated circuit cards — Part 6: Interindustry data elements for interchange (Adopted ISO/IEC 7816-6:2004)

[CAN/CSA-ISO/IEC 7816-8:05, 2nd edition](#)

Identification cards — Integrated circuit cards — Part 8: Commands for security operations
(Adopted ISO/IEC 7816-8:2004)

[CAN/CSA-ISO/IEC 7816-9:05, 2nd edition](#)

Identification cards — Integrated circuit cards — Part 9: Commands for card management
(Adopted ISO/IEC 7816-9:2004)

[CAN/CSA-ISO/IEC 7816-11:05, 1st edition](#)

Identification cards — Integrated circuit cards — Part 11: Personal verification through biometric methods (Adopted ISO/IEC 7816-11:2004)

[CAN/CSA-ISO/IEC 7816-15:05, 1st edition](#)

Identification cards — Integrated circuit cards with contacts — Part 15: Cryptographic information application (Adopted ISO/IEC 7816-15:2004)

[CAN/CSA-ISO/IEC 8825-5:05, 1st edition](#)

Information technology — ASN.1 encoding rules: Mapping W3C XML schema definitions into ASN.1 (Adopted ISO/IEC 8825-5:2004)

[CAN/CSA-ISO/IEC TR 9126-4:05, 1st edition](#)

Software engineering — Product quality — Part 4: Quality in use metrics
(Adopted ISO/IEC TR 9126-4:2004)

[CAN/CSA-ISO/IEC 9798-5:05, 2nd edition](#)

Information technology — Security techniques — Entity authentication — Part 5: Mechanisms using zero-knowledge techniques (Adopted ISO/IEC 9798-5:2004)

Communications/Information (cont'd)

[CAN/CSA-ISO/IEC 11179-1:05, 1st edition](#)

Information technology — Metadata registries (MDR) — Part 1: Framework
(Adopted ISO/IEC 11179-1:2004)

[CAN/CSA-ISO/IEC 11179-4:05, 2nd edition](#)

Information technology — Metadata registries (MDR) — Part 4: Formulation of data definitions (Adopted ISO/IEC 11179-4:2004)

[CAN/CSA-ISO/IEC 11581-5:05, 1st edition](#)

Information technology — User system interfaces and symbols — Icon symbols and functions — Part 5: Tool icons (Adopted ISO/IEC 11581-5:2004)

[CAN/CSA-ISO/IEC 13251:05, 1st edition \(bilingual\)](#)

Collection of graphical symbols for office equipment (Adopted ISO/IEC 13251:2004)

[CAN/CSA-ISO/IEC 13335-1:05, 1st edition](#)

Information technology — Security techniques — Management of information and communications technology security — Part 1: Concepts and models for information and communications technology security management (Adopted ISO/IEC 13335-1:2004)

[CAN/CSA-ISO/IEC 13818-7:05, 3rd edition](#)

Information technology — Generic coding of moving pictures and associated audio information — Part 7: Advanced Audio Coding (AAC) (Adopted ISO/IEC 13818-7:2004)

[CAN/CSA-ISO/IEC 13818-11:05, 1st edition](#)

Information technology — Generic coding of moving pictures and associated audio information — Part 11: IPMP on MPEG-2 systems (Adopted ISO/IEC 13818-11:2004)

[CAN/CSA-ISO/IEC 13888-1:05, 2nd edition](#)

IT security techniques — Non-repudiation — Part 1: General
(Adopted ISO/IEC 13888-1:2004)

[CAN/CSA-ISO/IEC TR 14143-5:05, 1st edition](#)

Information technology — Software measurement — Functional size measurement — Part 5: Determination of functional domains for use with functional size measurement
(Adopted ISO/IEC TR 14143-5:2004)

[CAN/CSA-ISO/IEC 14496-1:05, 2nd edition](#)

Information technology — Coding of audio-visual objects — Part 1: Systems
(Adopted ISO/IEC 14496-1:2004)

[CAN/CSA-ISO/IEC 14496-2:05, 3rd edition](#)

Information technology — Coding of audio-visual objects — Part 2: Visual
(Adopted ISO/IEC 14496-2:2004)

[CAN/CSA-ISO/IEC TR 14496-7:05, 2nd edition](#)

Information technology — Coding of audio-visual objects — Part 7: Optimized reference software for coding of audio-visual objects (Adopted ISO/IEC TR 14496-7:2004)

[CAN/CSA-ISO/IEC 14496-8:05, 1st edition](#)

Information technology — Coding of audio-visual objects — Part 8: Carriage of ISO/IEC 14496 contents over IP networks (Adopted ISO/IEC 14496-8:2004)

Communications/Information (cont'd)

[CAN/CSA-ISO/IEC TR 14496-9:05, 1st edition](#)

Information technology — Coding of audio-visual objects — Part 9: Reference hardware description (Adopted ISO/IEC TR 14496-9:2004)

[CAN/CSA-ISO/IEC 14496-10:05, 1st edition](#)

Information technology — Coding of audio-visual objects — Part 10: Advanced Video Coding (Adopted ISO/IEC 14496-10:2004)

[CAN/CSA-ISO/IEC 14496-12:05, 1st edition](#)

Information technology — Coding of audio-visual objects — Part 12: ISO base media file format (Adopted ISO/IEC 14496-12:2004)

[CAN/CSA-ISO/IEC 14496-13:05, 1st edition](#)

Information technology — Coding of audio-visual objects — Part 13: Intellectual Property Management and Protection (IPMP) extensions (Adopted ISO/IEC 14496-13:2004)

[CAN/CSA-ISO/IEC 14496-15:05, 1st edition](#)

Information technology — Coding of audio-visual objects — Part 15: Advanced Video Coding (AVC) file format (Adopted ISO/IEC 14496-15:2004)

[CAN/CSA-ISO/IEC 14496-16:05, 1st edition](#)

Information technology — Coding of audio-visual objects — Part 16: Animation Framework eXtension (AFX) (Adopted ISO/IEC 14496-16:2004)

[CAN/CSA-ISO/IEC 14496-18:05, 1st edition](#)

Information technology — Coding of audio-visual objects — Part 18: Font compression and streaming (Adopted ISO/IEC 14496-18:2004)

[CAN/CSA-ISO/IEC 14496-19:05, 1st edition](#)

Information technology — Coding of audio-visual objects — Part 19: Synthesized texture stream (Adopted ISO/IEC 14496-19:2004)

[CAN/CSA-ISO/IEC TR 14652:05, 1st edition](#)

Information technology — Specification method for cultural conventions (Adopted ISO/IEC TR 14652:2004)

[CAN/CSA-ISO/IEC 14662:05, 2nd edition](#)

Information technology — Open-edi reference model (Adopted ISO/IEC 14662:2004)

[CAN/CSA-ISO/IEC 14776-115:05, 1st edition](#)

Information technology — Small computer system interface (SCSI) — Part 115: Parallel Interface-5 (SPI-5) (Adopted ISO/IEC 14776-115:2004)

[CAN/CSA-ISO/IEC 14776-150:05, 1st edition](#)

Information technology — Small computer system interface (SCSI) — Part 150: Serial attached SCSI (SAS) (Adopted ISO/IEC 14776-150:2004)

[CAN/CSA-ISO/IEC 15018:05, 1st edition](#)

Information technology — Generic cabling for homes (Adopted ISO/IEC 15018:2004)

[CAN/CSA-ISO/IEC 15415:05, 1st edition](#)

Information technology — Automatic identification and data capture techniques — Bar code print quality test specification — Two-dimensional symbols (Adopted ISO/IEC 15415:2004)

Communications/Information (cont'd)

[CAN/CSA-ISO/IEC 15423:05, 1st edition](#)

Information technology — Automatic identification and data capture techniques — Bar code scanner and decoder performance testing (Adopted ISO/IEC 15423:2004)

[CAN/CSA-ISO/CEI 15444-1:05, 2nd edition](#)

Information technology — JPEG 2000 image coding systems: Core coding system (Adopted ISO/IEC 15444-1:2004)

[CAN/CSA-ISO/IEC 15444-2:05, 1st edition](#)

Information technology — JPEG 2000 image coding systems: Extensions (Adopted ISO/IEC 15444-2:2004)

[CAN/CSA-ISO/IEC TR 15446:05, 1st edition](#)

Information technology — Security techniques — Guide for the production of Protection Profiles and Security Targets (Adopted ISO/IEC TR 15446:2004)

[CAN/CSA-ISO/IEC 15504-1:05, 1st edition](#)

Information technology — Process assessment — Part 1: Concepts and vocabulary (Adopted ISO/IEC 15504-1:2004)

[CAN/CSA-ISO/IEC 15504-3:05, 1st edition](#)

Information technology — Process assessment — Part 3: Guidance of performing an assessment (Adopted ISO/IEC 15504-3:2004)

[CAN/CSA-ISO/IEC 15504-4:05, 1st edition](#)

Information technology — Process assessment — Part 4: Guidance on use for process improvement and process capability determination (Adopted ISO/IEC 15504-4:2004)

[CAN/CSA-ISO/IEC 15909-1:05, 1st edition](#)

Software and system engineering — High-level Petri nets — Part 1: Concepts, definitions and graphical notation (Adopted ISO/IEC 15909-1:2004)

[CAN/CSA-ISO/IEC 15946-4:05, 1st edition](#)

Information technology — Security techniques — Cryptographic techniques based on elliptic curves — Part 4: Digital signatures giving message recovery (Adopted ISO/IEC 15946-4:2004)

[CAN/CSA-ISO/IEC 15961:05, 1st edition](#)

Information technology — Radio frequency identification (RFID) for item management — Data protocol: Application interface (Adopted ISO/IEC 15961:2004)

[CAN/CSA-ISO/IEC 15962:05, 1st edition](#)

Information technology — Radio frequency identification (RFID) for item management — Data protocol: Data encoding rules and logical memory functions (Adopted ISO/IEC 15962:2004)

[CAN/CSA-ISO/IEC 15963:05, 1st edition](#)

Information technology — Radio frequency identification for item management — Unique identification for RF tags (Adopted ISO/IEC 15963:2004)

[CAN/CSA-ISO/IEC 16085:05, 1st edition](#)

Information technology — Software life cycle processes — Risk management (Adopted ISO/IEC 16085:2004/IEEE Std 1540-2001)

Communications/Information (cont'd)

[CAN/CSA-ISO/IEC 17341:05, 1st edition](#)

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)
(Adopted ISO/IEC 17341:2005)

[CAN/CSA-ISO/IEC 17342:05, 1st edition](#)

Information technology — 80 mm (1,46 Gbytes per side) and 120 mm (4,70 Gbytes per side) DVD re-recordable disk (DVD-RW) (Adopted ISO/IEC 17342:2004)

[CAN/CSA-ISO/IEC 17592:05, 1st edition](#)

Information technology — 120 mm (4,7 Gbytes per side) and 80 mm (1,46 Gbytes per side) DVD rewritable disk (DVD-RAM) (Adopted ISO/IEC 17592:2004)

[CAN/CSA-ISO/IEC 17594:05, 1st edition](#)

Information technology — Cases for 120 mm and 80 mm DVD-RAM disks
(Adopted ISO/IEC 17594:2004)

[CAN/CSA-ISO/IEC 18000-1:05, 1st edition](#)

Information technology — Radio frequency identification for item management — Part 1: Reference architecture and definition of parameters to be standardized
(Adopted ISO/IEC 18000-1:2004)

[CAN/CSA-ISO/IEC 18000-2:05, 1st edition](#)

Information technology — Radio frequency identification for item management — Part 2: Parameters for air interface communications below 135 kHz
(Adopted ISO/IEC 18000-2:2004)

[CAN/CSA-ISO/IEC 18000-3:05, 1st edition](#)

Information technology — Radio frequency identification for item management — Part 3: Parameters for air interface communications at 13.56 MHz
(Adopted ISO/IEC 18000-3:2004)

[CAN/CSA-ISO/IEC 18000-4:05, 1st edition](#)

Information technology — Radio frequency identification for item management — Part 4: Parameters for air interface communications at 2,45 GHz
(Adopted ISO/IEC 18000-4:2004)

[CAN/CSA-ISO/IEC 18000-6:05, 1st edition](#)

Information technology — Radio frequency identification for item management — Part 6: Parameters for air interface communications at 860 MHz to 960 MHz
(Adopted ISO/IEC 18000-6:2004)

[CAN/CSA-ISO/IEC 18000-7:05, 1st edition](#)

Information technology — Radio frequency identification for item management — Part 7: Parameters for active air interface communications at 433 MHz
(Adopted ISO/IEC 18000-7:2004)

[CAN/CSA-ISO/IEC TR 18001:05, 1st edition](#)

Information technology — Radio frequency identification for item management — Application requirements profiles (Adopted ISO/IEC TR 18001:2004)

Communications/Information (cont'd)

[CAN/CSA-ISO/IEC 18012-1:05, 1st edition](#)

Information technology — Home electronic system — Guidelines for product interoperability — Part 1: Introduction (Adopted ISO/IEC 18012-1:2004)

[CAN/CSA-ISO/IEC TR 18037:05, 1st edition](#)

Programming languages — C — Extensions to support embedded processors (Adopted ISO/IEC TR 18037:2004)

[CAN/CSA-ISO/IEC TR 18044:05, 1st edition](#)

Information technology — Security techniques — Information security incident management (Adopted ISO/IEC TR 18044:2004)

[CAN/CSA-ISO/IEC TR 18047-3:05, 1st edition](#)

Information technology — Radio frequency identification device conformance test methods — Part 3: Test methods for air interface communication at 13,56 MHz (Adopted ISO/IEC TR 18047-3:2004)

[CAN/CSA-ISO/IEC TR 18047-4:05, 1st edition](#)

Information technology — Radio frequency identification device conformance test methods — Part 4: Test methods for air interface communication at 2,45 GHz (Adopted ISO/IEC TR 18047-4:2004)

[CAN/CSA-ISO/IEC 18051:05, 2nd edition](#)

Information technology — Telecommunications and information exchange between systems — Services for Computer Supported Telecommunications Applications (CSTA) Phase III (Adopted ISO/IEC 18051:2004)

[CAN/CSA-ISO/IEC 18056:05, 1st edition](#)

Information technology — Telecommunications and information exchange between systems — ZML Protocol for Computer Supported Telecommunications Applications (CSTA) Phase III (Adopted ISO/IEC 18056:2004)

[CAN/CSA-ISO/IEC 18092:05, 1st edition](#)

Information technology — Telecommunications and information exchange between systems — Near Field Communication — Interface and Protocol (NFCIP-1) (Adopted ISO/IEC 18092:2004)

[CAN/CSA-ISO/IEC TR 21000-1:05, 2nd edition](#)

Information technology — Multimedia framework (MPEG-21) — Part 1: Vision, technologies and strategy (Adopted ISO/IEC TR 21000-1:2004)

[CAN/CSA-ISO/IEC 23290:05, 2nd edition](#)

Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network (PISN) — Mapping functions for the tunneling of QSIG through H.323 networks (Adopted ISO/IEC 23290:2004)



Informatique et télécommunications

[CAN/CSA-ISO/IEC 5218:05, 1^{re} édition \(bilingue\)](#)

Technologies de l'information — Codes de représentation des sexes humains
(norme ISO/CEI 5218 :2004 adoptée)

[CAN/CSA-ISO/IEC 13251:05, 1^{re} édition \(bilingue\)](#)

Collection de symboles graphiques pour matériel de bureau
(norme ISO/IEC 13251:2004 adoptée)

[CAN/CSA-ISO/CEI 15444-1:05, 1^{re} édition](#)

Technologies de l'information — Système de codage d'image JPEG 2000: Système de codage noyau (norme ISO/CEI 15444-1:2004 adoptée)

[CAN/CSA-ISO/CEI 15444-2:05, 1^{re} édition](#)

Technologies de l'information — Système de codage d'image JPEG 2000: Extensions
(norme ISO/CEI 15444-2:2004 adoptée)



Construction Products and Materials

[A123.3-05, 3rd edition](#)

Asphalt Saturated Organic Roofing Felt

[A344.1-05/A344.2-05, 1st edition](#)

*User Guide for Steel Storage Racks/
Standard for the Design and Construction of Steel Storage Racks*

[CAN/CSA-ISO 19901-5:05, 1st edition](#)

*Petroleum and natural gas industries — Specific requirements for offshore structures —
Part 5: Weight control during engineering and construction* (Adopted ISO 19901-5:2003,
first edition, without modification)

[CAN/CSA-S16-01 Consolidation](#)

Limit States Design of Steel Structures



Electrical / Electronics

[C22.2 No. 107.3-05, 2nd edition](#)

Uninterruptible Power Systems (bi-national with UL 1778, fourth edition)

[C22.2 No. 198.3-05, 2nd edition](#)

Coated Electrical Sleeving (bi-national with UL 1441, fourth edition)

[CAN/CSA-C22.2 No. 61058-1-05, 1st edition](#)

Switches for appliances — Part 1: General requirements (Bi-national standard with
UL 61058-1, third edition. Adopted IEC 61058-1, edition 3.1, with national deviations)



Électricité et électronique

[C22.2 n° 18.3-04, 1^{re} édition](#)

Raccords pour conduits, tubes et câbles (norme trinationale comprenant la première édition de la norme NMX-J-017-ANCE et la cinquième édition de la UL 514B)

[CAN/CSA-C22.2 n° 61058-1-05, 1^{re} édition](#)

Interrupteurs pour appareils — Partie 1 : Règles générales (norme binationale avec UL 61058-1, troisième édition. Norme CEI 61058-1, édition 3.1, adoptée avec des exigences nationales)



Gas Equipment

[Gas Technician Training 3 — Module 4, 3rd edition](#)

Utilization Codes, Acts, and Regulations

[Gas Technician Training 3 — Module 5, 3rd edition](#)

Introduction to Electricity

[Gas Technician Training 3 — Module 7, 3rd edition](#)

Customer Relations



Appareils à gaz

[B149HB-05, 4^e édition](#)

Guide du code sur le gaz naturel et le propane



Life Sciences

[Z318.0-05, 2nd edition](#)

Commissioning of Health Care Facilities



Sciences de la Vie

[B44-04, 10^e édition](#)

Code de sécurité sur les ascenseurs, les monte-charges et les escaliers mécaniques

[B52-05, 10^e édition](#)

Code sur la réfrigération mécanique

[B651-04, 3^e édition](#)

Conception accessible pour l'environnement bâti



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

Please note: The following standards were developed by the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC), and have been adopted by the Canadian Standards Association. These standards are available in Portable Document Format (PDF) only.

CAN/CSA-ISO/IEC 1539-1:05, 2nd edition

Information technology — Programming languages — Fortran — Part 1: Base language (Adopted ISO/IEC 1539-1:05) \$340

CAN/CSA-ISO/IEC 5218:05, 1st edition (bilingual)

Information technology — Codes for the representation of human sexes (Adopted ISO/IEC 5218:2004) \$85

CAN/CSA-ISO/IEC 7811-7:05, 1st edition

Identification cards — Recording technique — Part 7: Magnetic stripe — High coercivity, high density (Adopted ISO/IEC 7811-7:2004) \$105

CAN/CSA-ISO/IEC 7816-5:05, 1st edition

Identification cards — Integrated circuit cards — Part 5: Registration of application providers (Adopted ISO/IEC 7816-5:2004) \$55

CAN/CSA-ISO/IEC 7816-6:05, 1st edition

Identification cards — Integrated circuit cards — Part 6: Interindustry data elements for interchange (Adopted ISO/IEC 7816-6:2004) \$95

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CAN/CSA-ISO/IEC 7816-9:05, 2nd edition

Identification cards — Integrated circuit cards — Part 9: Commands for card management (Adopted ISO/IEC 7816-9:2004) \$70

CAN/CSA-ISO/IEC 7816-11:05, 1st edition

Identification cards — Integrated circuit cards — Part 11: Personal verification through biometric methods (Adopted ISO/IEC 7816-11:2004) \$125

CAN/CSA-ISO/IEC 7816-15:05, 1st edition

Identification cards — Integrated circuit cards with contacts — Part 15: Cryptographic information application (Adopted ISO/IEC 7816-15:2004) \$160



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

CAN/CSA-ISO/IEC 8825-5:05, 1st edition

Information technology — ASN.1 encoding rules: Mapping W3C XML schema definitions into ASN.1 (Adopted ISO/IEC 8825-5:2004) \$150

CAN/CSA-ISO/IEC TR 9126-4:05, 1st edition

Software engineering — Product quality — Part 4: Quality in use metrics (Adopted ISO/IEC TR 9126-4:2004) \$150

CAN/CSA-ISO/IEC 9798-5:05, 2nd edition

Information technology — Security techniques — Entity authentication — Part 5: Mechanisms using zero-knowledge techniques (Adopted ISO/IEC 9798-5:2004) \$145

CAN/CSA-ISO/IEC 11179-1:05, 1st edition

Information technology — Metadata registries (MDR) — Part 1: Framework (Adopted ISO/IEC 11179-1:2004) \$100

CAN/CSA-ISO/IEC 11179-4:05, 2nd edition

Information technology — Metadata registries (MDR) — Part 4: Formulation of data definitions (Adopted ISO/IEC 11179-4:2004) \$65

CAN/CSA-ISO/IEC 11581-5:05, 1st edition

Information technology — User system interfaces and symbols — Icon symbols and functions — Part 5: Tool icons (Adopted ISO/IEC 11581-5:2004) \$105

CAN/CSA-ISO/IEC 13251:05, 1st edition (bilingual)

Collection of graphical symbols for office equipment (Adopted ISO/IEC 13251:2004) \$235

CAN/CSA-ISO/IEC 13335-1:05, 1st edition

Information technology — Security techniques — Management of information and communications technology security — Part 1: Concepts and models for information and communications technology security management (Adopted ISO/IEC 13335-1:2004) \$110

CAN/CSA-ISO/IEC 13818-7:05, 3rd edition

Information technology — Generic coding of moving pictures and associated audio information — Part 7: Advanced Audio Coding (AAC) (Adopted ISO/IEC 13818-7:2004) \$235

CAN/CSA-ISO/IEC 13818-11:05, 1st edition

Information technology — Generic coding of moving pictures and associated audio information — Part 11: IPMP on MPEG-2 systems (Adopted ISO/IEC 13818-11:2004) \$175

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CAN/CSA-ISO/IEC 14496-1:05, 2nd edition
Information technology — Coding of audio-visual objects — Part 1: Systems
 (Adopted ISO/IEC 14496-1:2004) \$210

CAN/CSA-ISO/IEC 14496-2:05, 3rd edition
Information technology — Coding of audio-visual objects — Part 2: Visual
 (Adopted ISO/IEC 14496-2:2004) \$365

CAN/CSA-ISO/IEC TR 14496-7:05, 2nd edition
Information technology — Coding of audio-visual objects — Part 7: Optimized reference software for coding of audio-visual objects (Adopted ISO/IEC TR 14496-7:2004) \$120

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Information technology — Coding of audio-visual objects — Part 8: Carriage of ISO/IEC 14496 contents over IP networks (Adopted ISO/IEC 14496-8:2004) \$55

CAN/CSA-ISO/IEC TR 14496-9:05, 1st edition
Information technology — Coding of audio-visual objects — Part 9: Reference hardware description (Adopted ISO/IEC TR 14496-9:2004) \$100

CAN/CSA-ISO/IEC 14496-10:05, 1st edition
Information technology — Coding of audio-visual objects — Part 10: Advanced Video Coding (Adopted ISO/IEC 14496-10:2004)..... \$260

CAN/CSA-ISO/IEC 14496-12:05, 1st edition
Information technology — Coding of audio-visual objects — Part 12: ISO base media file format (Adopted ISO/IEC 14496-12:2004)..... \$190

CAN/CSA-ISO/IEC 14496-13:05, 1st edition
Information technology — Coding of audio-visual objects — Part 13: Intellectual Property Management and Protection (IPMP) extensions (Adopted ISO/IEC 14496-13:2004)..... \$160

CAN/CSA-ISO/IEC 14496-15:05, 1st edition
Information technology — Coding of audio-visual objects — Part 15: Advanced Video Coding (AVC) file format (Adopted ISO/IEC 14496-15:2004) \$100

CAN/CSA-ISO/IEC 14496-16:05, 1st edition
Information technology — Coding of audio-visual objects — Part 16: Animation Framework eXtension (AFX) (Adopted ISO/IEC 14496-16:2004)..... \$235

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Information technology — Coding of audio-visual objects — Part 18: Font compression and streaming (Adopted ISO/IEC 14496-18:2004) \$85



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

CAN/CSA-ISO/IEC 14496-19:05, 1st edition

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CAN/CSA-ISO/IEC 14662:05, 2nd edition

Information technology — Open-edi reference model (Adopted ISO/IEC 14662:2004) \$125

CAN/CSA-ISO/IEC 14776-115:05, 1st edition

Information technology — Small computer system interface (SCSI) — Part 115: Parallel Interface-5 (SPI-5) (Adopted ISO/IEC 14776-115:2004) \$275

CAN/CSA-ISO/IEC 14776-150:05, 1st edition

Information technology — Small computer system interface (SCSI) — Part 150: Serial attached SCSI (SAS) (Adopted ISO/IEC 14776-150:2004) \$325

CAN/CSA-ISO/IEC 15018:05, 1st edition

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CAN/CSA-ISO/IEC 15423:05, 1st edition

Information technology — Automatic identification and data capture techniques — Bar code scanner and decoder performance testing (Adopted ISO/IEC 15423:2004) \$130

CAN/CSA-ISO/CEI 15444-1:05, 2nd edition

Information technology — JPEG 2000 image coding systems: Core coding system (Adopted ISO/IEC 15444-1:2004) \$235

CAN/CSA-ISO/IEC 15444-2:05, 1st edition

Information technology — JPEG 2000 image coding systems: Extensions (Adopted ISO/IEC 15444-2:2004) \$295

CAN/CSA-ISO/IEC TR 15446:05, 1st edition

Information technology — Security techniques — Guide for the production of Protection Profiles and Security Targets (Adopted ISO/IEC TR 15446:2004) \$210

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Information technology — Process assessment — Part 4: Guidance on use for process improvement and process capability determination (Adopted ISO/IEC 15504-4:2004) \$125

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CAN/CSA-ISO/IEC 15946-4:05, 1st edition
Information technology — Security techniques — Cryptographic techniques based on elliptic curves — Part 4: Digital signatures giving message recovery (Adopted ISO/IEC 15946-4:2004)..... \$145

CAN/CSA-ISO/IEC 15961:05, 1st edition
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CAN/CSA-ISO/IEC 15963:05, 1st edition
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CAN/CSA-ISO/IEC 17342:05, 1st edition
Information technology — 80 mm (1,46 Gbytes per side) and 120 mm (4,70 Gbytes per side) DVD re-recordable disk (DVD-RW) (Adopted ISO/IEC 17342:2004)..... \$210

CAN/CSA-ISO/IEC 17592:05, 1st edition
Information technology — 120 mm (4,7 Gbytes per side) and 80 mm (1,46 Gbytes per side) DVD rewritable disk (DVD-RAM) (Adopted ISO/IEC 17592:2004)..... \$210



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

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Information technology — Cases for 120 mm and 80 mm DVD-RAM disks
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CAN/CSA-ISO/IEC 18000-1:05, 1st edition

*Information technology — Radio frequency identification for item management —
Part 1: Reference architecture and definition of parameters to be standardized*
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CAN/CSA-ISO/IEC 18000-3:05, 1st edition

*Information technology — Radio frequency identification for item management —
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(Adopted ISO/IEC 18000-3:2004) \$210

CAN/CSA-ISO/IEC 18000-4:05, 1st edition

*Information technology — Radio frequency identification for item management —
Part 4: Parameters for air interface communications at 2,45 GHz*
(Adopted ISO/IEC 18000-4:2004) \$190

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Application requirements profiles* (Adopted ISO/IEC TR 18001:2004) \$190

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interoperability — Part 1: Introduction* (Adopted ISO/IEC 18012-1:2004) \$70

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

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 (Adopted ISO/IEC TR 18044:2004) \$145

CAN/CSA-ISO/IEC TR 18047-3:05, 1st edition
Information technology — Radio frequency identification device conformance test methods — Part 3: Test methods for air interface communication at 13,56 MHz
 (Adopted ISO/IEC TR 18047-3:2004) \$125

CAN/CSA-ISO/IEC TR 18047-4:05, 1st edition
Information technology — Radio frequency identification device conformance test methods — Part 4: Test methods for air interface communication at 2,45 GHz
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CAN/CSA-ISO/IEC 18051:05, 2nd edition
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Information technology — Telecommunications and information exchange between systems — ZML Protocol for Computer Supported Telecommunications Applications (CSTA) Phase III (Adopted ISO/IEC 18056:2004) \$295

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CAN/CSA-ISO/IEC TR 21000-1:05, 2nd edition
Information technology — Multimedia framework (MPEG-21) — Part 1: Vision, technologies and strategy (Adopted ISO/IEC TR 21000-1:2004) \$130

CAN/CSA-ISO/IEC 23290:05, 2nd edition
Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network (PISN) — Mapping functions for the tunneling of QSIG through H.323 networks (Adopted ISO/IEC 23290:2004) \$100



Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

Veillez noter que les normes suivantes ont été élaborées par l'Organisation internationale de normalisation (ISO) et la Commission Électrotechnique Internationale (CEI) et ont été adoptées par l'Association canadienne de normalisation. Ces normes sont offertes en format PDF seulement.

- CAN/CSA-ISO/IEC 5218:05, 1^{re} édition (bilingue)**
Technologies de l'information — Codes de représentation des sexes humains
 (norme ISO/CEI 5218 :2004 adoptée)..... 85 \$
- CAN/CSA-ISO/IEC 13251:05, 1^{re} édition (bilingue)**
Collection de symboles graphiques pour matériel de bureau
 (norme ISO/IEC 13251:2004 adoptée)..... 235 \$
- CAN/CSA-ISO/CEI 15444-1:05, 1^{re} édition**
Technologies de l'information — Système de codage d'image JPEG 2000: Système de codage noyau (norme ISO/CEI 15444-1:2004 adoptée) 235 \$
- CAN/CSA-ISO/CEI 15444-2:05, 1^{re} édition**
Technologies de l'information — Système de codage d'image JPEG 2000: Extensions
 (norme ISO/CEI 15444-2:2004 adoptée) 295 \$

Amendments

Please note: The following amendments/technical corrigenda were developed by the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC), and have been adopted by the Canadian Standards Association. These documents are available in Portable Document Format (PDF) only.

- CAN/CSA-ISO/IEC 7816-15:05, TC 1:2005**
Technical Corrigendum 1:2005 to CAN/CSA-ISO/IEC 7816-15:05, "Identification cards — Integrated circuit cards with contacts — Part 15: Cryptographic information application" (Adopted Technical Corrigendum 1:2004 to ISO/IEC 7816-15:2004).
 This document is available only the purchase of the standard. It is not available as a separate document.
- CAN/CSA-ISO/IEC 8824-1A:2005**
Amendment 1:2005, "Support for EXTENDED-XER", to CAN/CSA-ISO/IEC 8824-1:04, "Information technology — Abstract Syntax Notation One (ASN.1): Specification of basic notation" (Adopted Amendment 1:2004 to ISO/IEC 8824-1:2002)..... \$100
- CAN/CSA-ISO/IEC 8824-2A:2005**
Amendment 1:2005, "Support for EXTENDED-XER", to CAN/CSA-ISO/IEC 8824-2:04, "Information technology — Abstract Syntax Notation One (ASN.1): Information object specification" (Adopted Amendment 1:2004 to ISO/IEC 8824-2:2002) \$15

Amendments (cont'd)

CAN/CSA-ISO/IEC 8825-1A:05

Amendment 1:2005, “Support for EXTENDED-XER”, to CAN/CSA-ISO/IEC 8825-1:04, “Information technology — ASN.1 encoding rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER), and Distinguished Encoding Rules (DER)” (Adopted Amendment 1:2004 to ISO/IEC 8825-1:2002) \$15

CAN/CSA-ISO/IEC 9798-2:02, TC 1:2005

Technical Corrigendum 1:2005 to CAN/CSA-ISO/IEC 9798-2:02, “Information technology — Security techniques — Entity authentication — Part 2: Mechanisms using symmetric Encipherment algorithms” (Adopted Technical Corrigendum 1:2004 to ISO/IEC 9798-2:1999). This document is available only the purchase of the standard. It is not available as a separate document.

CAN/CSA-ISO/IEC 9899:02, TC 2:2005

Technical Corrigendum 2:2005 to CAN/CSA-ISO/IEC 9899:02, “Programming languages — C” (Adopted Technical Corrigendum 2:2004 to ISO/IEC 9899:1999). This document is available only the purchase of the standard. It is not available as a separate document.

CAN/CSA-ISO/IEC 9945-1:05, TC 1:2005

Technical Corrigendum 1:2005 to CAN/CSA-ISO/IEC 9945-1:05, “Information technology — Portable Operating System Interface (POSIX®) — Part 1: Base Definitions” (Adopted Technical Corrigendum 1:2004 to ISO/IEC 9945-1:2003). This document is available only the purchase of the standard. It is not available as a separate document.

CAN/CSA-ISO/IEC 9945-2:05, TC 1:2005

Technical Corrigendum 1:2005 to CAN/CSA-ISO/IEC 9945-2:05, “Information technology — Portable Operating System Interface (POSIX®) — Part 2: System Interfaces” (Adopted Technical Corrigendum 1:2004 to ISO/IEC 9945-2:2003). This document is available only the purchase of the standard. It is not available as a separate document.

CAN/CSA-ISO/IEC 9945-3:05, TC 1:2005

Technical Corrigendum 1:2005 to CAN/CSA-ISO/IEC 9945-3:05, “Information technology — Portable Operating System Interface (POSIX®) — Part 3: Shell and Utilities” (Adopted Technical Corrigendum 1:2004 to ISO/IEC 9945-3:2003). This document is available only the purchase of the standard. It is not available as a separate document.

CAN/CSA-ISO/IEC 9945-4:05, TC 1:2005

Technical Corrigendum 1:2005 to CAN/CSA-ISO/IEC 9945-4:05, “Information technology — Portable Operating System Interface (POSIX®) — Part 4: Rationale” (Adopted Technical Corrigendum 1:2004 to ISO/IEC 9945-4:2003). This document is available only the purchase of the standard. It is not available as a separate document.



Amendments (cont'd)

CAN/CSA-ISO/IEC 11179-3:04, TC 1:2005

Technical Corrigendum 1:2005 to CAN/CSA-ISO/IEC 11179-3:04, “Information technology — Metadata registries (MDR) — Part 3: Registry metamodel and basic attributes” (Adopted Technical Corrigendum 1:2004 to ISO/IEC 11179-3:2003). This document is available only the purchase of the standard. It is not available as a separate document.

CAN/CSA-ISO/IEC 12207B:2005

Amendment 2:2005 to CAN/CSA-ISO/IEC 12207-96, “Information technology — Software life cycle processes” (Adopted Amendment 2:2004 to ISO/IEC 12207:1995) \$55

CAN/CSA-ISO/IEC 13818-1C:2005

Amendment 3:2005 to CAN/CSA-ISO/IEC 13818-1:02, “Information technology — Generic coding of moving pictures and associated audio information: Systems” (Adopted Amendment 3:2004 to ISO/IEC 13818-1:2000) \$15

CAN/CSA-ISO/IEC 14496-2:05, TC 1:2005

Technical Corrigendum 1:2005 to CAN/CSA-ISO/IEC 14496-2:05, “Information technology — Coding of audio-visual objects — Part 2: Visual” (Adopted Technical Corrigendum 1:2004 to ISO/IEC 14496-2:2004). This document is available only the purchase of the standard. It is not available as a separate document.

CAN/CSA-ISO/CEI 14496-2A:2005

Amendment 1:2005, “Error resilient simple scalable profile”, to CAN/CSA-ISO/IEC 14496-2:05, “Information technology — Coding of audio-visual objects — Part 2: Visual” (Adopted Amendment 1:2004 to ISO/IEC 14496-2:2004) \$15

CAN/CSA-ISO/IEC 14496-3A:04, TC 1:2005

Technical Corrigendum 1:2005 to Amendment 1:2004 to CAN/CSA-ISO/IEC 14496-3:04, “Information technology — Coding of audio-visual objects — Part 3: Audio” (Adopted Technical Corrigendum 1:2004 to Amendment 1:2003 to ISO/IEC 14496-3:2001). This document is available only the purchase of the amendment. It is not available as a separate document.

CAN/CSA-ISO/IEC 14496-3:04, TC 2:2005

Technical Corrigendum 2:2005 to CAN/CSA-ISO/IEC 14496-3:04, “Information technology — Coding of audio-visual objects — Part 3: Audio” (Adopted Technical Corrigendum 2:2004 to ISO/IEC 14496-3:2001). This document is available only the purchase of the standard. It is not available as a separate document.

CAN/CSA-ISO/IEC 14496-3B:05

Amendment 2:2005, “Parametric coding for high-quality audio”, to CAN/CSA-ISO/IEC 14496-3:04, “Information technology — Coding of audio-visual objects — Part 3: Audio” (Adopted Amendment 2:2004 to ISO/IEC 14496-3:2001) \$200

Amendments (cont'd)

CAN/CSA-ISO/CEI 14763-1A:2005

Amendment 1:2005 to CAN/CSA-ISO/IEC 14763-1:02, “Information technology — Implementation and operation of customer premises cabling — Part 1: Administration” (Adopted Amendment 1:2004 to ISO/IEC 14763-1:1999) \$40

CAN/CSA-ISO/IEC 15938-1:04, TC 1:2005

Technical Corrigendum 1:2005 to CAN/CSA-ISO/IEC 15938-1:04, “Information technology — Multimedia content description interface — Part 1: Systems” (Adopted Technical Corrigendum 1:2004 to ISO/IEC 15938-1:2002). This document is available only the purchase of the standard. It is not available as a separate document.

CAN/CSA-ISO/IEC 15938-3:04, TC 1:2005

Technical Corrigendum 1:2005 to CAN/CSA-ISO/IEC 15938-3:04, “Information technology — Multimedia content description interface — Part 3: Visual” (Adopted Technical Corrigendum 1:2004 to ISO/IEC 15938-3:2002). This document is available only the purchase of the standard. It is not available as a separate document.

CAN/CSA-ISO/IEC 15938-3A:05

Amendment 1:2005, “Visual extensions”, to CAN/CSA-ISO/IEC 15938-3:04, “Information technology — Multimedia content description interface — Part 3: Visual” (Adopted Amendment 1:2004 to ISO/IEC 15938-3:2002) \$125

CAN/CSA-ISO/IEC 15938-4A:2005

Amendment 1:2005, “Audio extensions”, to CAN/CSA-ISO/IEC 15938-4:04, “Information technology — Multimedia content description interface — Part 4: Audio” (Adopted Amendment 1:2004 to ISO/IEC 15938-4:2002) \$120

CAN/CSA-ISO/IEC 15938-5:04, TC 1:2005

Technical Corrigendum 1:2005 to CAN/CSA-ISO/IEC 15938-5:04, “Information technology — Multimedia content description interface — Part 5: Multimedia description schemes” (Adopted Technical Corrigendum 1:2004 to ISO/IEC 15938-5:2003). This document is available only the purchase of the standard. It is not available as a separate document.

CAN/CSA-ISO/IEC 15938-5A:2005

Amendment 1:2005, “Multimedia description schemes extensions”, to CAN/CSA-ISO/IEC 15938-5:04, “Information technology — Multimedia content description interface — Part 5: Multimedia description schemes” (Adopted Amendment 1:2004 to ISO/IEC 15938-5:2003) \$160

CAN/CSA-ISO/CEI TR 15938-8A:2005

Amendment 1:2005, “Extensions of extraction and use of MPEG-7 descriptions”, to CAN/CSA-ISO/IEC TR 15938-8:04, “Information technology — Multimedia content description interface — Part 8: Extraction and use of MPEG-7 descriptions” (Adopted Amendment 1:2004 to ISO/IEC TR 15938-8:2002) \$110



Amendments (cont'd)

CAN/CSA-ISO/IEC 16022:04, TC 1:2005

Technical Corrigendum 1:2005 to CAN/CSA-ISO/IEC 16022:04, “Information technology — International Symbolology specification — Data matrix” (Adopted Technical Corrigendum 1:2004 to ISO/IEC 16022:2000). This document is available only the purchase of the standard. It is not available as a separate document.

Modifications publiées en français

Veillez noter que les amendements suivantes ont été élaborées par l'Organisation internationale de normalisation (ISO) et la Commission Électrotechnique Internationale (CEI) et ont été adoptées par l'Association canadienne de normalisation. Ces normes sont offertes en format PDF seulement.

CAN/CSA-ISO/IEC 13818-1C:2005

Modification 3:2005 à la norme CAN/CSA-ISO/CEI 13818-1:02, «Technologies de l'information — Codage générique des images animées et du son associé: Systèmes» (norme ISO/CEI 13818-1:2000, amendement n° 3:2004, adoptée)..... 15 \$

Under Development

Proposed Withdrawal of Standards

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

- **CAN/CSA-ISO/IEC TR 13335-2-01**
Information technology — Guidelines for the management of IT security — Part 2: Managing and planning IT security



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

A123.3-05, 3rd edition

Asphalt Saturated Organic Roofing Felt \$65

This standard covers asphalt saturated organic roofing felt, with perforations, to be used with roofing asphalts conforming to CSA A123.4 in the construction of built-up roofing membranes, without perforations, applied as an underlayment beneath asphalt shingles, woods shakes and shingles, tiles, and other roof coverings.

A344.1-05/A344.2-05, 1st edition

User Guide for Steel Storage Racks/

Standard for the Design and Construction of Steel Storage Racks \$75

- **A344.1-05** applies primarily to selective pallet racks, although the principles set out in this Guide may be used when purchasing and using other types of racks, such as deep-reach, push-back, drive-in and drive-through racks; cantilever racks; rack buildings; and stacker racks.
- **A344.2-05** applies to storage racks where the principal structural components are upright frames and load support beams. Storage racks are typically used to store pallets and loaded by using powered lift equipment (lift trucks). This standard applies only to racks made from steel, either hot-rolled or cold-formed.

CAN/CSA-ISO 19901-5:05, 1st edition

Petroleum and natural gas industries — Specific requirements for offshore structures — Part 5: Weight control during engineering and construction

(Adopted ISO 19901-5:2003, first edition, without modification) \$145

This standard specifies requirements for controlling the weight and centre of gravity (CoG) by means of mass management during the engineering and construction of structures for the offshore environment. The provisions apply to offshore projects that include structures of all types and materials.

CAN/CSA-S16-01 Consolidation

Limit States Design of Steel Structures \$135

This is a consolidated reprint of S16-01, incorporating Update No. 1 (June 2003), Update No. 2 (December 2003), and Supplement No. 1 (January 2005).

This standard provides rules and requirements for the design, fabrication, and erection of steel structures. The design is based on limit states. The term "steel structures" refers to structural members and frames that consist primarily of structural steel components, including the detail parts, welds, bolts, or other fasteners required in fabrication and erection. This standard also applies to structural steel components in structures framed in other materials.



Reaffirmed Standards

O302.1-00/O302.2-00 (R2005)

Scaling Roundwood/

Measurement of Woodchips, Tree Residues, and Byproducts

Withdrawn Standards

B272-93 (R2000)

Prefabricated Self-Sealing Roof Vent Flashings

DIR.004-97

List of CSA Certified Plumbing Products

DIR.011-1991

List of CSA Certified Concrete Testing Laboratories

Under Development

Notice of Intent

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

- **ASME A112.19.1/CSA B45.2, 1st edition**
Enamelled Cast-Iron and Porcelain-Enamelled Steel Plumbing Fixtures (Harmonized standard)
- **ASME A112.19.2/CSA B45.1, 1st edition**
Ceramic Plumbing Fixtures (Harmonized standard)
- **ASME A112.19.3/CSA B45.4, 1st edition**
Stainless Steel Plumbing Fixtures (Harmonized standard)
- **IAPMO Z124/CSA B45.5, 1st edition**
Plastic Plumbing Fixtures (Harmonized standard)

Drafts for Public Review

Please note: Public comments about draft standards, proposed amendments, proposed adoptions, and proposed endorsements listed in this issue are due by January 9, 2006.

Draft Standards

To receive copies of the following draft standard, or to offer comments, contact Dwayne Torrey at 416-747-2746 or dwayne.torrey@csa.ca:

- **O325, 1st edition**
Construction Sheathing

Proposed Withdrawal of Standards

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

- **O115-M1982 (R2001)**
Hardwood and Decorative Plywood

Certification and Testing (CSA International)

Certification Notices

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

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



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

C22.2 No. 107.3-05, 2nd edition

Uninterruptible Power Systems (bi-national with UL 1778, fourth edition)..... \$395

This standard applies to uninterruptible power systems (UPS) designed to be used in accordance with the *Canadian Electrical Code, Part I* (C22.1), the *National Electrical Code* (ANSI/NFPA 70) and the *Standard for the Protection of Electronic Computer Data-Processing Equipment* (ANSI/NFPA 75).

This standard applies to movable, stationary, fixed, and built-in uninterruptible power systems for distribution systems up to 600 V ac.

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

C22.2 No. 198.3-05, 2nd edition

Coated Electrical Sleeving (bi-national with UL 1441, fourth edition) \$245

The requirements in this standard apply to Grades A and B acrylic-polymer-coated, silicone-polymer-coated, or vinyl-polymer-coated electrical sleeving that consists of closely woven fabric made from glass and that is intended to be used in equipment designed to be installed and used in accordance with the rules of the *Canadian Electrical Code, Part I* (CEC), or the *National Electrical Code* (NEC).

CAN/CSA-C22.2 No. 61058-1-05, 1st edition

Switches for appliances — Part 1: General requirements

(Bi-national standard with UL 61058-1, third edition. Adopted IEC 61058-1, edition 3.1, with national deviations) \$260

This standard applies to switches (mechanical or electronic) for appliances actuated by hand, by foot, or by other human activity, to operate or control electrical appliances and other equipment for household or similar purposes with a rated voltage not exceeding 440 V and a rated current not exceeding 63 A.

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



Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

C22.2 n° 18.3-04, 1^{re} édition

Raccords pour conduits, tubes et câbles (norme trinationale comprenant la première édition de la norme NMX-J-017-ANCE et la cinquième édition de la UL 514B) 310 \$

Cette norme s'applique aux raccords destinés à des câbles ou à des conduits pour installation conformément au *National Electrical Code* (ANSI/NFPA 70), au *Code canadien de l'électricité, Première partie* (CSA C22.1) et à la *Standard for Electrical Installations* (NOM-001-SEDE).

Cette norme s'applique aux composants suivants : contre-écrous pour conduits, traversées pour conduits, traversées pour montants métalliques, entrées de conduit et coudes d'entrée ; raccords pour tubes électriques métalliques, conduits métalliques flexibles, conduits métalliques intermédiaires, conduits flexibles étanches aux liquides, conduits métalliques rigides et têtes de branchement ; raccords pour câbles armés, câbles sous gaine métallique, câbles sous gaine d'aluminium, câbles à isolant minéral, câbles sous gaine non métallique, câbles de branchement du consommateur, câbles pour chemins de câbles et raccords submersibles ; raccords pour cordons souples, tubes métalliques et non métalliques et non métalliques flexibles, traversées isolantes, prises serre-câble, rondelles réductrices et mamelons.

Notes :

- 1) Au Canada, les raccords pour câbles sous gaine métallique (MC), conduits métalliques intermédiaires (IMC), tubes métalliques flexibles, tubes non métalliques flexibles et entrées de conduit ne sont pas reconnus. Les entrées de conduit sont assimilées à des raccords.
- 2) Au Canada, le câble armé comprend le câble de type TECK.

CAN/CSA-C22.2 n° 61058-1-05, 1^{re} édition

Interrupteurs pour appareils — Partie 1 : Règles générales (norme binationale avec UL 61058-1, troisième édition. Norme CEI 61058-1, édition 3.1, adoptée avec des exigences nationales)..... 260 \$

Cette norme s'applique aux interrupteurs (mécaniques ou électroniques) pour appareils manœuvrés à la main, au pied ou par d'autres activités humaines, pour faire fonctionner ou commander des appareils électriques et autres matériels pour usage domestique et analogue, de tension assignée ne dépassant pas 440 V et de courant assigné dépassant pas 63 A.

Cette norme est offerte en format PDF seulement.

Amendments

C22.2 No. 117-1970 (R2002)

Room Air Conditioners

Revision of Clauses 2.1, 4.5.7, and 5.4.



Modifications publiées en français

C22.2 n° 117-1970 (C2002)

Climatiseurs individuels

Des modifications ont été apportées aux articles 2.1, 4.5.7 et 5.4.

Reaffirmed Standards

CAN/CSA-C22.2 No. 74-96 (R2005)

Equipment for Use with Electric Discharge Lamps

C22.2 No. 241-97 (R2005)

IEEE Standard for Cable Joints for Use with Extruded Dielectric Cable Rated 1000 – 138 000 V and Cable Joints for Use with Laminated Dielectric Cable Rated 2500 – 500 000 V

CAN/CSA-C22.2 No. 242-92 (R2005)

IEEE Standard Test Procedures and Requirements for High-Voltage Alternating-Current Cable Terminations

C22.2 No. 249-96 (R2005)

Standard Tests for Determining Compatibility of Cable-Pulling Lubricants with Wire and Cable

CAN/CSA-C22.2 No. 1010.2.020A-94 (R2005)

Amendment 1:1997 to CAN/CSA-C22.2 No. 1010.2.020-94, “Safety requirements for electrical equipment for measurement, control and laboratory use — Part 2-020: Particular requirements for laboratory centrifuges” (Adopted Amendment 1:1996 to IEC 1010-2-020:1992, first edition, without modification)

C83-96 (R2005)

Communication and Power Line Hardware

CAN/CSA-C88.1-96 (R2005)

Power Transformer and Reactor Bushings

CAN/CSA-CEI/IEC 1000-1-1-97 (R2005)

Electromagnetic compatibility (EMC) — Part 1: General — Section 1: Application and interpretation of fundamental definitions and terms (Adopted CEI/IEC 1000-1-1:1992, first edition, without modification)

CAN/CSA-CEI/IEC 1000-2-1-97 (R2005)

Electromagnetic compatibility (EMC) — Part 2: Environment — Section 1: Description of the environment — Electromagnetic environment for low-frequency conducted disturbances and signalling in public power supply systems (Adopted CEI/IEC 1000-2-1:1990, first edition, without modification)



Reaffirmed Standards (cont'd)

CAN/CSA-CEI/IEC 61000-4-27-01 (R2005)

Electromagnetic compatibility (EMC) — Part 4-27: Testing and measurement techniques — Unbalance, immunity test (Adopted CEI/IEC 61000-4-27:2000, first edition, without modification)

CAN/CSA-E335-2-4-94 (R2005)

Safety of household and similar electrical appliances — Part 2: Particular requirements for spin extractors (Adopted CEI/IEC 335-2-4:1993, fourth edition, without modification)

CAN/CSA-E335-2-61-95 (R2005)

Safety of household and similar electrical appliances — Part 2: Particular requirements for thermal storage room heaters (Adopted CEI/IEC 335-2-61:1992, first edition, without modification)

CAN/CSA-E335-2-65-95 (R2005)

Safety of household and similar electrical appliances — Part 2: Particular requirements for air-cleaning appliances (Adopted CEI/IEC 335-2-65:1993, first edition, without modification)

CAN/CSA-E335-2-66-95 (R2005)

Safety of household and similar electrical appliances — Part 2: Particular requirements for water-bed heaters (Adopted CEI/IEC 335-2-66:1993, first edition, without modification)

CAN/CSA-E60974-1-00 (R2005)

Arc welding equipment — Part 1: Welding power sources (Adopted CEI/IEC 60974-1:1998, second edition, with Canadian deviations)

Withdrawn Standards

DIR.005.1-97

List of CSA Certified Electrical Services and Equipment, Wiring Hardware and Cable Products

DIR.005.2-97

List of CSA Certified Electrically Equipped Consumer and Commercial Products

DIR.005.3-97

List of CSA Certified Electrical Equipment for Use in Hazardous Locations

DIR.005.4-97

List of CSA Certified Home and Commercial Entertainment Products

DIR.005.5-97

List of CSA Certified Lighting Equipment and Products

DIR.005.6-97

List of CSA Certified Power Supplies and Transformers

Withdrawn Standards (cont'd)

DIR.005.7-97

List of CSA Certified Business and Telecommunication Equipment

DIR.005.8-97

List of Certified Control, Regulating and Signal Equipment

DIR.005.9-97

List of CSA Certified Industrial Products

DIR.005.10-97

List of CSA Certified Wiring Devices and Related Hardware

DIR.008-97

List of CSA Accepted Adhesive-Type Labels, Label Stock Materials and Printing Systems

DIR.010-98

Component Acceptance Directory — Plastics Program (Eighteenth Edition)

DIR.014-97

List of CSA Certified Elevator Equipment

Formal Interpretations

The following interpretation regarding CSA standard C22.1-02, *Canadian Electrical Code, Part I, Safety Standard for Electrical Installation*, has been approved by the CSA Committee on CE Code, Part I.

Question 1: Does an EMT connector without an insulated throat or bushing, meet the requirements of Subrule 12-906(1)?

Answer: Yes.

Question 2: “Is drawout type equipment required to be completely drawn out for the purpose of fulfilling criteria of Rule 2-308(2) of being in “fully disconnected position”?”

Answer: No.

Question 3: Is a Central Distribution Panelboard (CDP) an acceptable piece of equipment for use to subdivide the main consumer's service? Example: Supplying metered feeders to individual bays in warehouses and similar types of occupancies.

Answer: No.



Under Development

Drafts for Public Review

Please note: Public comments about draft standards, proposed amendments, proposed adoptions, and proposed endorsements listed in this issue are due by January 9, 2006.

Proposed Adoptions

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

- **IEC 61010-031:2002**
Safety requirements for electrical equipment for measurement, control and laboratory use — Part 031: Safety requirements for hand-held probe assemblies for electrical measurement and test
- **IEC 61010-2-040:2005**
Safety requirements for electrical equipment for measurement, control and laboratory use — Part 2-040: Safety requirements for sterilizers and washer-disinfectors used to treat medical materials

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

- **IEC 61000-4-4:2004**
Electromagnetic compatibility (EMC) — Part 4-4: Testing and measurement techniques — Electrical fast transient/burst immunity test
- **IEC CISPR 22:2005**
Information technology equipment — Radio disturbance characteristics — Limits and methods of measurement

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

- **IEC 60598-1:2003**
Luminaires — Part 1: General requirements and tests
- **IEC 60598-2-3:2002**
Luminaires — Part 2-3: Particular requirements for road and street lighting
- **IEC 60598-2-10:2003**
Luminaires — Part 2-10: Particular requirements — Portable luminaires for children
- **IEC 60691:2002**
Thermal links — Requirements and application guide
- **IEC 60730-2-9-am2:2004**
Automatic electrical controls for household and similar use — Part 2: Particular requirements for temperature sensing controls — Amendment 2

Drafts for Public Review (cont'd)

Proposed Adoptions (cont'd)

- **IEC 60730-2-12:2005**
Automatic electrical controls for household and similar use — Part 2: Particular requirements for electrically operated door locks
- **IEC 60730-2-13:2001**
Automatic electrical controls for household and similar use — Part 2: Particular requirements for humidity sensing controls
- **IEC 60730-2-14:2001**
Automatic electrical controls for household and similar use — Part 2: Particular requirements for electric actuators
- **IEC 60730-2-19:2001**
Automatic electrical controls for household and similar use — Part 2: Particular requirements for electrically operated oil valves, including mechanical requirements
- **IEC 61558-1:2005**
Safety of power transformers, power supply units and similar — Part 1: General requirements and tests

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
September 30, 2005	Introduction of new certification service to the requirements of CAN/CSA C22.2 No. 61010-2 Series Standards.	Measurement, Control and Laboratory Equipment No. 6

Certification Notices

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

Effective Date	Subject	Title
November 15, 2005	Publication of the fourth edition of CSA standard C22.2 No. 65, <i>Wire Connectors</i> .	Wiring Devices No. 25
January 16, 2006	Publication of the second edition of CSA standard C22.2 No. 188-04, <i>Splicing Wire Connectors</i> .	Wiring Devices No. 36
February 15, 2006	Publication of CSA standard C22.2 No. 236-05, <i>Heating and Cooling Equipment</i> .	Heating and Cooling Equipment No. 5

**Certification Notices (cont'd)**

Effective Date	Subject	Title
March 26, 2006	Publication of the ninth edition of UL 197, <i>Commercial Electric Cooking Appliances</i> , with a new effective date. (Supersedes Appliances No. 6, dated November 30, 2004.)	Appliances No. 6A
March 31, 2006	Publication of Update No. 2 to CSA standard C22.2 No. 214-02, <i>Communications Cables</i> .	Wire and Cable No. 117
April 7, 2006	Extension of the effective date specified in Wire and Cable No. 105.	Wire and Cable No. 105A
May 24, 2006	Publication of amendments to CSA standard C22.2 No. 112-97/UL 2158, <i>Electric Clothes Dryers</i> , with a new effective date. (Supersedes Appliances No. 3, dated June 4, 2004.)	Appliances No. 3A
June 1, 2006	Publication of amendments to UL standard 1059, <i>Terminal Blocks</i> . Major changes include the method of conducting temperature tests.	Wiring Devices No. 40
June 2, 2006	Publication of Technical Information Letter No. H-18, covering interim certification requirements for burner controls incorporating programmable logic. These requirements supplement those of C22.2 No. 199 and C22.2 No. 0.8.	Signal Sensing and Controls No. 3
▶ 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 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

Certification Notices (cont'd)

Effective Date	Subject	Title
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
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 30, 2007	Publication of Technical Information Letter No. A-32, proving interim certification requirements for outdoor portable multiple-receptacle extension boxes.	Wiring Devices No. 41
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 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

Amendments

CAN/CSA-C360-03

Energy Performance, Water Consumption, and Capacity of Household Clothes Washers

Revision of Clause 1.3.

Modifications publiées en français

CAN/CSA-C360-03

Rendement énergétique, consommation d'eau et capacité des machines à laver électrodomestiques

Des modifications ont été apportées à l'article 1.3.

Reaffirmed Standards

CAN/CSA-B214-01 (R2005)

Installation Code for Hydronic Heating Systems

CAN/CSA-C300-00 (R2005)

Energy Performance and Capacity of Household Refrigerators, Refrigerator-Freezers, and Freezers

CAN/CSA-C439-00 (R2005)

Standard Laboratory Methods of Test for Rating the Performance of Heat/Energy-Recovery Ventilators

CAN/CSA-C652-00 (R2005)

Installation of Electric Storage Tank and Heat Pump Water Heaters for Residential Use

CAN/CSA-C749-94 (R2005)

Performance of Dehumidifiers

CAN/CSA-C802.2-00 (R2005)

Minimum Efficiency Values for Dry-Type Transformers

CAN/CSA-C13256-2-01 (R2005)

Water-source heat pumps — Testing and rating for performance — Part 2: Water-to-water and brine-to-water heat pumps (Adopted ISO 13256-2:1998, first edition, with Canadian deviations)

CAN/CSA-N285.5-M90 (R2005)

Periodic Inspection of CANDU Nuclear Power Plant Containment Components

CAN/CSA-N287.7-96 (R2005)

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



Under Development

Notice of Intent

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

- **C802.2, 2nd edition**
Minimum Efficiency Values for Dry-Type Transformers

Certification and Testing (CSA International)

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

Under Development

Notice of Intent

For more information about the proposed development of the following new projects, contact Hicham Elhalaby at 416-747-2272 or hicham.elhalaby@csa.ca:

- **ISO 14064-1, 1st edition**
Greenhouse gases — Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals
- **ISO 14064-2, 1st edition**
Greenhouse gases — Part 2: Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emission reductions or removal enhancements
- **ISO 14064-3, 1st edition**
Greenhouse gases — Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

Gas Technician Training 3 — Module 4, 3rd edition

Utilization Codes, Acts, and Regulations \$40

The gas industry is well regulated. A gas technician needs to be aware of the various codes, approval agencies, and standards with which each gas installation must comply. This knowledge and compliance will ensure proper installation, as well as the safe and efficient operation of all gas-fired equipment. This module covers identifying the acts, regulations, codes and standards specific to natural gas and propane installations.

Gas Technician Training 3 — Module 5, 3rd edition

Introduction to Electricity \$40

The safe and proper installation of gas appliances and systems requires knowledge of basic electrical theory and practical trade-related applications. This module covers identifying electrical safety hazards, safe working techniques, procedures and applicable codes, and describes basic electrical theory and concepts.

Gas Technician Training 3 — Module 7, 3rd edition

Customer Relations \$40

Establishing and maintaining good customer relations is a major responsibility of the gas technician. This module provides guidance on the following:

- responding to customer inquiries
- preventing property damage
- responding to difficult customers
- completing jobs according to policies and procedures.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

B149HB-05, 4^e édition

Guide du code sur le gaz naturel et le propane 130 \$

Ce guide sert de document d'accompagnement pour le code d'installation du gaz naturel et du propane B149.1-05 et pour certaines parties du code sur le stockage et la manipulation du propane B149.2-05.

Il contient de l'information destinée aux installateurs d'appareils au gaz naturel et au propane, aux organismes de réglementation et à toute personne intéressée à comprendre les pratiques courantes d'installation des appareils au gaz naturel et au propane.



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

B149HB-05 (suite)

Ce guide comprend :

- des extraits de texte, des tableaux et des figures du code auxquels il est souvent fait référence ;
- des énoncés d'intention et de justification des exigences du code qui nécessitent fréquemment une interprétation sur le chantier ;
- des remarques donnant des conseils utiles sur des points connexes du code ;
- des commentaires, y compris du texte et des figures, expliquant les principes fondamentaux d'installation des appareils ;
- des illustrations des exigences du code ;
- des tableaux donnant de l'information utile provenant de documents de référence ;
- des exemples sur la façon de mettre en application les exigences du code ;
- des remarques *Plus loin* et *Précédemment* pour indiquer des exigences connexes qui se trouvent dans différentes parties du code ; et
- des remarques *Meilleure pratique* donnant des suggestions pour surpasser les exigences actuelles d'installation.

Reaffirmed Standards

ANSI Z21.90-2001/CSA 6.24-2001 (R2005)

Gas Convenience Outlets and Optional Enclosures

ANSI Z83.19-2001/CSA 2.35-2001 (R2005)

Gas-Fired High-Intensity Infrared Heaters

ANSI Z83.20-2001/CSA 2.34-2001 (R2005)

Gas-Fired Low-Intensity Infrared Heaters

CAN/CGA-8.1-M86 (R2005)

Elastomeric Composite Hose and Hose Couplings for Conducting Propane and Natural Gas

Under Development

Notice of Intent

For more information about the proposed development of the following new project, contact Tony Joseph at 416-747-4035 or tony.joseph@csa.ca:

- **B214, 2nd edition**
Installation Code for Hydronic Heating Systems



Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
August 2, 2005	Publication of ANSI Z21.5.1b-2005/ CSA 7.1b-2005, <i>Gas Clothes Dryers, Volume I, Type 1</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.5.1-2001/CSA 7.1-2001 and ANSI Z21.5.1a-2002/ CSA 7.1a-2002.	Gas Products No. 83
August 2, 2005	Publication of ANSI Z21.21-2005/ CSA 6.5-2005, <i>Automatic Valves for Gas Appliances</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.21-2000/ CSA 6.5-2000, Z21.21a-2001/CSA 6.5a-2001 and Z21.21b-2004/CSA 6.5b-2004.	Gas Products No. 84
August 2, 2005	Publication of ANSI Z21.5.2-2005/ CSA 7.2-2005, <i>Gas Clothes Dryers, Volume 2, Type 2</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.5.2-2001/CSA 7.2-2001, Z21.5.2a-2003/ CSA 7.2a-2003 and Z21.5.2b-2003/CSA 7.2b-2003.	Gas Products No. 85

Certification Notices

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

Effective Date	Subject	Title
December 1, 2005	Publication of ANSI Z21.89-2004/CSA 1.18-2004, <i>Outdoor Cooking Specialty Gas Appliances</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.89-2002/CSA 1.18-2002, ANSI Z21.89a-2003/CSA 1.18a-2003, and ANSI Z21.89b-2004/CSA 1.18b-2004.	Gas Products No. 57
December 1, 2005	Publication of addenda ANSI Z83.4a-2004/ CSA 3.7a-2004, <i>Non-Recirculating Direct Gas-Fired Industrial Air Heaters</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z83.4-2003/CSA 3.7-2003.	Gas Products No. 58

**Certification Notices (cont'd)**

Effective Date	Subject	Title
January 2, 2006	Publication of addenda ANSI Z21.10.1a-2002/CSA 4.1a-2002 and ANSI Z21.10.1b-2004/CSA 4.1b-2004, <i>Gas Water Heaters, Volume I, Storage Water Heaters with Input Ratings of 75,000 BTU per hour or Less</i> . (Supersedes Gas Products No. 7.)	Gas Products No. 48
March 1, 2006	Publication of addenda ANSI Z21.11.2b-2004, <i>Gas-Fired Room Heaters — Volume II, Unvented Room Heaters</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.11.2-2002 and ANSI Z21.11.2a-2003.	Gas Products No. 47
March 1, 2006	Publication of addenda ANSI Z21.84b-2004, <i>Manually Lighted, Natural Gas Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.84-2002 and ANSI Z21.84a-2003.	Gas Products No. 43A
March 1, 2006	Publication of addenda ANSI Z21.47a-2004/CSA 2.3a-2004, <i>Gas-Fired Central Furnaces</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.47-2003/CSA 2.3-2003.	Gas Products No. 62
June 1, 2006	Publication of ANSI Z83.18-2004, <i>Recirculating Direct Gas-Fired Industrial Air Heaters</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z83.18-2000, ANSI Z83.18a-2001, and ANSI Z83.18b-2003.	Gas Products No. 59
June 1, 2006	Publication of ANSI Z21.13-2004/CSA 4.9-2004, <i>Gas-Fired Low-Pressure Steam and Hot Water Boilers</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.13-2000/CSA 4.9-2000, ANSI Z21.13a-2002/CSA 4.9a-2002, and ANSI Z21.13b-2003/CSA 4.9b-2003.	Gas Products No. 45
► 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



Certification Notices (cont'd)

Effective Date	Subject	Title
▶ 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 addenda 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
August 1, 2006	Publication of ANSI Z21.1-2005, <i>Household Cooking Gas Appliances</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.1-2000, ANSI Z21.1a-2003, and ANSI Z21.1b-2003.	Gas Products No. 67
August 1, 2006	Publication of ANSI Z21.20-2005, <i>Automatic Gas Ignition Systems and Components</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.20-2000, Z21.20a-2000 and Z21.20b-2001.	Gas Products No. 69
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
▶ 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



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

Z318.0-05, 2nd edition

Commissioning of Health Care Facilities..... \$250

This standard is available as an interactive **Smart CD-ROM** only. The CD provides guidelines for the commissioning of the mechanical, electrical, and communication components and systems of health care facilities. It is also intended to assist architects, engineers, contractors, and health care facility administrators in the planning, design, and operation of health care facilities.

The main features of Z318 Smart CD-ROM include the following:

- PDF version of the standard
- Over 250 commissioning check sheet templates in Microsoft Word that can be completed, saved and printed. These are used to document the inspections, tests, contractor's start-up program, verification, performance evaluation and balancing report for the following systems:
 - Heating, ventilation, and air-conditioning (HVAC)
 - Plumbing
 - Fire protection
 - Building automation
 - Electrical systems.

Minimum System Requirements:

- Pentium-based or compatible computer
- Windows® '98/NT/2000/XP
- 128 MB RAM
- 4X CD-ROM Drive
- VGA card (800 x 600 resolution), 16-bit colour depth.

Note: Users will need to have Adobe Acrobat Reader 6.0 or later version installed to view the Z318.0-05 PDF.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

B44-04, 10^e édition

Code de sécurité sur les ascenseurs, les monte-charges et les escaliers mécaniques 295 \$

Sous réserve des cas spécifiés, ce code vise la conception, la construction, le fonctionnement, l'inspection, la mise à l'essai, l'entretien, la modification et la réparation du matériel suivant, de ses accessoires et gaines s'ils sont installés dans un bâtiment ou une structure ou à proximité de telles constructions :



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

B44-04 (suite)

- a) les mécanismes de levage et de descente à cabine ou plate-forme et qui se déplacent entre deux paliers ou plus ; ce matériel comprend notamment les ascenseurs et monte-charges ;
- b) les escaliers et les passerelles motorisés qui transportent des passagers d'un palier à un autre ; ce matériel comprend notamment les escaliers mécaniques et les trottoirs roulants ;
- c) les mécanismes de levage et de descente à cabine qui desservent plus de deux paliers et qui servent exclusivement au transport de matériaux en raison de leurs dimensions réduites ou du fait que la cabine est difficile d'accès ; ce matériel comprend notamment les petits monte-charges et les monte-matériaux.

B52-05, 10^e édition

Code sur la réfrigération mécanique 140 \$

Cette norme vise à réduire au minimum les risques de blessures en établissant des exigences minimales applicables à la conception, à la fabrication, à l'installation, à la vérification et à l'entretien des systèmes de réfrigération mécanique.

B651-04, 3^e édition

Conception accessible pour l'environnement bâti 95 \$

Cette norme énonce les exigences techniques relatives à l'accessibilité et à la sécurité des bâtiments et autres installations utilisés par des personnes présentant des incapacités physiques, sensorielles ou cognitives.

Cette norme décrit les exigences techniques qui peuvent être utilisées dans la conception et la construction de nouvelles installations ou dans la modification d'installations existantes. Cette norme ne traite pas de l'application des exigences techniques. La mesure dans laquelle ces exigences doivent être appliquées relève d'autres autorités compétentes.

Reaffirmed Standards

CAN/CSA-B355-00 (R2005)

Lifts for Persons with Physical Disabilities

CAN/CSA-B619-00 (R2005)

Carrier Safety Management Systems

CAN/CSA-C22.2 No 601.1-M90 (R2005)

Medical electrical equipment — Part 1: General requirements for safety
(Adopted IEC 601-1-1988, 2nd edition, with Canadian deviations)

CAN/CSA-C22.2 No. 60601-2-1-01 (R2005)

Medical electrical equipment — Part 2-1: Particular requirements for the safety of electron accelerators in the range 1 MeV to 50 MeV (Adopted CEI/IEC 60601-2-1:1998, 2nd edition, without modification)

Reaffirmed Standards (cont'd)**CAN/CSA-C22.2 No. 60601-2-2-01 (R2005)**

Medical electrical equipment — Part 2-2: Particular requirements for the safety of high frequency surgical equipment (Adopted IEC 60601-2-2:1998, third edition, without modification)

CAN/CSA-C22.2 No. 601.2.6-92 (R2005)

Medical electrical equipment — Part 2: Particular requirements for the safety of microwave therapy equipment (Adopted IEC 601-2-6:1984, first edition, without modification)

CAN/CSA-C22.2 No. 60601-2-7-01 (R2005)

Medical electrical equipment — Part 2-7: Particular requirements for the safety of high-voltage generators of diagnostic X-ray generators (Adopted IEC 60601-2-7:1998, second edition, without modification)

CAN/CSA-C22.2 No. 60601-2-9-01 (R2005)

Medical electrical equipment — Part 2: Particular requirements for the safety of patient contact dosimeters used in radiotherapy with electrically connected radiation detectors (Adopted IEC 601-2-9:1996, second edition, without modification)

CAN/CSA-C22.2 No. 601.2.10-92 (R2005)

Medical electrical equipment — Part 2: Particular requirements for the safety of nerve and muscle stimulators (Adopted IEC 601-2-10:1987, first edition, without modification)

CAN/CSA-C22.2 No. 60601-2-11-01 (R2005)

Medical electrical equipment — Part 2: Particular requirements for the safety of gamma beam therapy equipment (Adopted IEC 601-2-11:1997, second edition, with Canadian deviations)

CAN/CSA-C22.2 No. 60601-2-16-01 (R2005)

Medical electrical equipment — Part 2-16: Particular requirements for the safety of haemodialysis, haemodiafiltration and haemofiltration equipment (Adopted IEC 60601-2-16:1998, second edition, without modification)

CAN/CSA-C22.2 No. 60601-2-18-01 (R2005)

Medical electrical equipment — Part 2: Particular requirements for the safety of endoscopic equipment (Adopted CEI/IEC 601-2-18:1996, second edition, without modification)

CAN/CSA-C22.2 No. 60601-2-18A-01 (R2005)

Amendment 1: 2002 to CAN/CSA-C22.2 No. 60601-2-18-01, “Medical electrical equipment — Part 2: Particular requirements for the safety of endoscopic equipment” (Adopted Amendment 1:2000 to CEI/IEC 601-2-18:1996, second edition, without modification)



Reaffirmed Standards (cont'd)

CAN/CSA-C22.2 No. 60601-2-22-01 (R2005)

Medical electrical equipment — Part 2: Particular requirements for the safety of diagnostic and therapeutic laser equipment (Adopted CEI/IEC 601-2-22:1995, second edition, without modification)

CAN/CSA-C22.2 No. 60601-2-24-01 (R2005)

Medical electrical equipment — Part 2-24: Particular requirements for the safety of infusion pumps and controllers (Adopted 60601-2-24:1998, first edition, without modification)

CAN/CSA-C22.2 No. 60601-2-40-01 (R2005)

Medical electrical equipment — Part 2-40: Particular requirements for the safety of electromyographs and evoked response equipment (Adopted 60601-2-40:1998, first edition, without modification)

CAN/CSA-C22.2 No. 60601-2-46-01 (R2005)

Medical electrical equipment — Part 2-46: Particular requirements for the safety of operating tables (Adopted 60601-2-46:1998, first edition, without modification)

CAN/CSA-Z234.4-89 (R2005)

All-Numeric Dates and Times

CAN/CSA-Z8835-3-00 (R2005)

Inhalational anaesthesia systems — Part 3: Anaesthetic gas scavenging systems — Transfer and receiving systems (Adopted ISO 8835-3:1997, first edition, with Canadian deviations)

CAN/CSA-Z9170-1-00 (R2005)

Terminal units for medical gas pipeline systems — Part 1: Terminal units for use with compressed medical gases and vacuum (Adopted ISO 9170-1:1999, first edition, with Canadian deviations)

CAN/CSA-Z9170-2-00 (R2005)

Terminal units for medical gas pipeline systems — Part 2: Terminal units for anaesthetic gas scavenging systems (Adopted ISO 9170-2:1999, first edition, with Canadian deviations)

Withdrawn Standards

DIR.009-1992

List of Certified Occupational Health and Safety Products

Under Development

Notice of Intent

For more information about the proposed development of the following new projects, contact Cathryn Cortisoz at 416-747-2594 or cathryn.cortisoz@csa.ca:

- **ISO 7376:2003**
Anaesthetic and respiratory equipment — Laryngoscopes for tracheal intubation
- **ISO 9360-1:2000**
Anaesthetic and respiratory equipment — Heat and moisture exchangers (HMEs) for humidifying respired gases in humans — Part 1: HMEs for use with minimum tidal volumes of 250 ml
- **ISO 9360-2:2001**
Anaesthetic and respiratory equipment — Heat and moisture exchangers (HMEs) for humidifying respired gases in humans — Part 2: HMEs for use with tracheostomized patients having minimum tidal volumes of 250 ml

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

- **B44, 11th edition**
Safety Code for Elevators and Escalators
- **Z98, 6th edition**
Passenger Ropeways and Conveyors

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

- **B341, 1st edition**
UN Pressure Receptacles and Multiple-Element Gas Containers for the Transportation of Dangerous Goods
- **B342, 1st edition**
Selection and Use of UN Pressure Receptacles and Multiple-Element Gas Containers for the Transportation of Dangerous Goods, Class 2
- **Z316.6, 3rd edition**
Evaluation of Single-Use Medical Sharps Containers for Biohazardous and Cytotoxic Waste

For more information about the proposed development of the following new project, contact Nicki Islic at 416-747-2610 or nicki.islic@csa.ca:

- **Z614, 4th edition**
Children's Playspaces and Equipment



Notice of Intent (cont'd)

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

- **ISO 500-1:2004 (to be published as CAN/CSA-M5000.1)**
Agricultural tractors — Rear-mounted power take-off types 1, 2 and 3 — Part 1: General specifications, safety requirements, dimensions for master shield and clearance zone
- **ISO 500-2:2004 (to be published as CAN/CSA-M5000.2)**
Agricultural tractors — Rear-mounted power take-off types 1, 2 and 3 — Part 2: Narrow-track tractors, dimensions for master shield and clearance zone
- **ISO 500-3:2004 (to be published as CAN/CSA-M5000.3)**
Agricultural tractors — Rear-mounted power take-off types 1, 2 and 3 — Part 3: Main PTO dimensions and spline dimensions, location of PTO
- **Z96.1, 1st edition**
Selection, Use and Care of High-Visibility Safety Apparel

Drafts for Public Review

Please note: Public comments about draft standards, proposed amendments, proposed adoptions, and proposed endorsements listed in this issue are due by January 9, 2006.

Proposed Amendments

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

- **CAN/CSA-Z62.1-03**
Chain Saws
Proposed revision of the following clauses:
 - Clause 5.2.5, Throttle Control Linkage
 - Clause 5.3.2, Handle Clearances (Electric Chain Saws)
 - Clause 5.5.1, On/Off Controls
 - Clause 5.13.1, Chain Brake Dimensions (Electric Chain Saws)
 - Clause 7.8.1, Chain Brake Stopping Time

Proposed addition of Table 5, Chain Brake or Front Handguard (Alternative Requirements for Electric Saws).

Proposed Adoptions

For more information about the proposed adoption of the following ISO standard, contact Jeffrey Kraegel at 416-747-2249 or jeffrey.kraegel@csa.ca:

- **ISO 17664:2004**
Sterilization of medical devices — Information to be provided by the manufacturer for the processing of resterilizable medical devices

Certification and Testing (CSA International)

Certification Notices

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

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



Completed Projects / Projets terminés

Reaffirmed Standards

CAN/CSA-ISO 9001-00 (R2005)

Quality management systems — Requirements

CAN/CSA-ISO 9004-00 (R2005)

Quality management systems — Guidelines for performance improvements



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