



**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.

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Communications/Information

[CAN/CSA-ISO/IEC 8348:04, 3rd edition](#)

Information Technology—Open Systems Interconnection—Network Service Definition
(Adopted ISO/IEC 8348:2003)

[CAN/CSA-ISO/IEC 9075-10:04, 1st edition](#)

Information Technology—Database Languages—SQL—Part 10: Object Language Bindings (SQL/OLB) (Adopted ISO/IEC 9075-10:2000)

[CAN/CSA-ISO/IEC 9945-2:04, 2nd edition](#)

Information Technology—Portable Operating System Interface (POSIX®)—Part 2: System Interfaces (Adopted ISO/IEC 9945-2:2002/IEEE STD 1003.1-2001)

[CAN/CSA-ISO/IEC 9945-3:04, 1st edition](#)

Information Technology—Portable Operating System Interface (POSIX®)—Part 3: Shell and Utilities (Adopted ISO/IEC 9945-3:2002/IEEE STD 1003.1-2001)

[CAN/CSA-ISO/IEC 9995-4:04, 1st edition](#)

Information Technology—Keyboard Layouts for Text and Office Systems—Part 4: Numeric Section (Adopted ISO/IEC 9995-4:2002)

[CAN/CSA-ISO/IEC 9995-7:04, 1st edition \(bilingual\)](#)

Information Technology—Keyboard Layouts for Text and Office Systems—Part 7: Symbols Used to Represent Functions (Adopted ISO/IEC 9995-7:2002)

[CAN/CSA-ISO/IEC 10164-15:04, 1st edition](#)

Information Technology—Open Systems Interconnection—Systems Management: Scheduling Function (Adopted ISO/IEC 10164-15:2002)

[CAN/CSA-ISO/IEC TR 10176:04, 1st edition](#)

Information Technology—Guidelines for the Preparation of Programming Language Standards (Adopted ISO/IEC TR 10176:2001)

[CAN/CSA-ISO/IEC 10192-1:04, 1st edition](#)

Information Technology—Home Electronic Systems (HES) Interfaces—Part 1: Universal Interface (UI) Class 1 (Adopted ISO/IEC 10192-1:2002)

[CAN/CSA-ISO/IEC 10589:04, 1st edition](#)

Information Technology—Telecommunications and Information Exchange Between Systems—Intermediate System to Intermediate System Intra-Domain Routing Information Exchange Protocol for Use in Conjunction With the Protocol for Providing the Connectionless-Mode Network Service (ISO 8473) (Adopted ISO/IEC 10589:2002)

[CAN/CSA-ISO/IEC 10646-2:04, 1st edition](#)

Information Technology—Universal Multiple-Octet Coded Character Set (UCS)—Part: 2 Supplementary Planes (Adopted ISO/IEC 10646-2:2001)

Communications/Information (cont'd)

[CAN/CSA-ISO/IEC 11582:04, 2nd edition](#)

Information Technology–Telecommunications and Information Exchange Between Systems–Private Integrated Services Network–Generic Functional Protocol for the Support of Supplementary Services–Inter-Exchange Signalling Procedures and Protocol
(Adopted ISO/IEC 11582:2002)

[CAN/CSA-ISO/IEC TR 11802-1:04, 1st edition](#)

Information Technology–Telecommunications and Information Exchange Between Systems–Local and Metropolitan Area Networks–Part 1: The Structure and Coding of Logical Link Control Addresses in Local Area Networks (Adopted ISO/IEC TR 11802:-1:2002)

[CAN/CSA-ISO/IEC TR 11802-2:04, 1st edition](#)

Information Technology–Telecommunications and Information Exchange Between Systems–Local and Metropolitan Area Networks–Part 2: Standard Group MAC Addresses
(Adopted ISO/IEC TR 11802:-2:2002)

[CAN/CSA-ISO/IEC 13239:04, 2nd edition](#)

Information Technology–Telecommunications and Information Exchange Between Systems–High-Level Data Link Control (HDLC) Procedures (Adopted ISO/IEC 13239:2002)

[CAN/CSA-ISO/IEC TR 13335-5:04, 1st edition](#)

Information Technology–Guidelines for the Management of IT Security–Part 5: Management Guidance on Network Security (Adopted ISO/IEC TR 13335-5:2001)

[CAN/CSA-ISO/IEC 13568:04, 1st edition](#)

Information Technology–Z Formal Specification Notation–Syntax, Type System and Semantics
(Adopted ISO/IEC 13568:2002)

[CAN/CSA-ISO/IEC 13868:04, 2nd edition](#)

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Information Technology–Telecommunications and Information Exchange Between Systems–Private Integrated Services Network–Inter-Exchange Signalling Protocol–Call Diversion Supplementary Service (Adopted ISO/IEC 13873:2003)

[CAN/CSA-ISO/IEC TR 14475:04, 1st edition](#)

Information Technology–Telecommunications and Information Exchange Between Systems–Private Integrated Services Network–Architecture and Scenarios for Private Integrated Services Networking (Adopted ISO/IEC TR 14475:2001)

Communications/Information (cont'd)

[CAN/CSA-ISO/IEC 14476-1:04, 1st edition](#)

Information Technology—Enhanced Communications Transport Protocol: Specification of Simplex Multicast Transport (Adopted ISO/IEC 14476-1:2002)

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Information Technology—Lossy/Lossless Coding of Bi-Level Images (Adopted ISO/IEC 14492:2001)

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[CAN/CSA-ISO/IEC TR 14496-7:04, 1st edition](#)

Information Technology—Coding of Audio-Visual Objects—Part 7: Optimized Reference Software for Coding of Audio-Visual Objects (Adopted ISO/IEC TR 14496-7:2002)

[CAN/CSA-ISO/IEC TR 14516:04, 1st edition](#)

Information Technology—Security Techniques—Guidelines for the Use and Management of Trusted Third Party Services (Adopted ISO/IEC TR 14516:2002)

[CAN/CSA-ISO/IEC 14519:04, 1st edition](#)

Information Technology—POSIX[®] Ada Language Services—Binding for System Application Program Interface (API) (Adopted ISO/IEC 14519:2001)

[CAN/CSA-ISO/IEC TR 14543-4:04, 1st edition](#)

Information Technology—Home Electronic System (HES) Architecture—Part 4: Home and Building Automation in a Mixed-Use Building (Adopted ISO/IEC TR 14543-4:2002)

[CAN/CSA-ISO/IEC TR 14762:04, 1st edition](#)

Information Technology—Home Control Systems—Guidelines for Functional Safety (Adopted ISO/IEC TR 14762:2001)

[CAN/CSA-ISO/IEC 14776-112:04, 1st edition](#)

Information Technology—Small Computer System Interface (SCSI)—Part 112: Parallel Interface-2 (SPI-2) (Adopted ISO/IEC 14776-112:2002)

[CAN/CSA-ISO/IEC 14776-113:04, 1st edition](#)

Information Technology—Small Computer System Interface (SCSI)—Part 113: Parallel Interface-3 (SPI-3) (Adopted ISO/IEC 14776-113:2002)

[CAN/CSA-ISO/IEC 14776-321:04, 1st edition](#)

Information Technology—Small Computer System Interface-3 (SCSI-3)—Part 321: Block Commands (SBC) (Adopted ISO/IEC 14776-321:2002)

[CAN/CSA-ISO/IEC 14776-326:04, 1st edition](#)

Information Technology—Small Computer System Interface (SCSI)—Part 326: Reduced Block Commands (RBC) Service (Adopted ISO/IEC 14776-326:2002)

Communications/Information (conf'd)

[CAN/CSA-ISO/IEC 15052:04, 2nd edition](#)

Information Technology–Telecommunications and Information Exchange Between Systems–Private Integrated Services Network–Inter-Exchange Signalling Protocol–Recall Supplementary Service (Adopted ISO/IEC 15052:2003)

[CAN/CSA-ISO/IEC TR 15067-4:04, 1st edition](#)

Information Technology–Home Electronic System (HES) Application Model–Part 4: Security System for HES (Adopted ISO/IEC TR 15067-4:2001)

[CAN/CSA-ISO/IEC 15288:04, 1st edition](#)

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[CAN/CSA-ISO/IEC 15292:04, 1st edition](#)

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[CAN/CSA-ISO/IEC TR 15413:04, 1st edition](#)

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[CAN/CSA-ISO/IEC 15414:04, 1st edition](#)

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[CAN/CSA-ISO/IEC 15444-3:04, 1st edition](#)

Information Technology–JPEG 2000 Image Coding System–Part 3: Motion JPEG 2000 (Adopted ISO/IEC 15444-3:2002)

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Information Technology–JPEG 2000 Image Coding System–Part 4: Conformance Testing (Adopted ISO/IEC 15444-4:2002)

[CAN/CSA-ISO/IEC 15457-1:04, 1st edition](#)

Identification Cards–Thin Flexible Cards–Part 1: Physical Characteristics (Adopted ISO/IEC 15457-1:2001)

[CAN/CSA-ISO/IEC 15457-2:04, 1st edition](#)

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Communications/Information (cont'd)

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(Adopted ISO/IEC 15474-2:2002)

[CAN/CSA-ISO/IEC 15475-1:04, 1st edition](#)

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(Adopted ISO/IEC 15475-2:2002)

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Information Technology—CDIF Transfer Format—Part 3: Encoding ENCODING.1
(Adopted ISO/IEC 15475-3:2002)

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(Adopted ISO/IEC 15476-1:2002)

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Information Technology—CDIF Semantic Metamodel—Part 2: Common
(Adopted ISO/IEC 15476-2:2002)

[CAN/CSA-ISO/IEC 15506:04, 2nd edition](#)

Information Technology—Telecommunications and Information Exchange Between Systems—Private Integrated Services Network—Inter-Exchange Signalling Protocol—Message Waiting Indication Supplementary Service (Adopted ISO/IEC 15506:2003)

[CAN/CSA-ISO/IEC TR 15580:04, 1st edition](#)

Information Technology—Programming Languages—Fortran—Enhanced Data Type Facilities
(Adopted ISO/IEC TR 15580:2001)

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VME64bus—Specification (Adopted ISO/IEC 15776:2001)

[CAN/CSA-ISO/IEC 15816:04, 1st edition](#)

Information Technology—Security Techniques—Security Information Objects for Access Control
(Adopted ISO/IEC 15816:2002)

Communications/Information (cont'd)

[CAN/CSA-ISO/IEC 15938-3:04, 1st edition](#)

Information Technology–Multimedia Content Description Interface–Part 3: Visual
(Adopted ISO/IEC 15938-3:2002)

[CAN/CSA-ISO/IEC 15944-1:04, 1st edition](#)

*Information Technology–Business Agreement Semantic Descriptive Techniques–Part 1:
Operational Aspects of the Open-edi for Implementation* (Adopted ISO/IEC 15944-1:2002)

[CAN/CSA-ISO/IEC 15945:04, 1st edition](#)

*Information Technology–Security Techniques–Specification of TTP Services to Support the
Application of Digital Signatures* (Adopted ISO/IEC 15945:2002)

[CAN/CSA-ISO/IEC 15946-1:04, 1st edition](#)

*Information Technology–Security Techniques–Cryptographic Techniques Based on Elliptic
Curves–Part 1: General* (Adopted ISO/IEC 15946-1:2002)

[CAN/CSA-ISO/IEC 15946-2:04, 1st edition](#)

*Information Technology–Security Techniques–Cryptographic Techniques Based on Elliptic
Curves–Part 2: Digital Signatures* (Adopted ISO/IEC 15946-2:2002)

[CAN/CSA-ISO/IEC 18010:04, 1st edition](#)

Information Technology–Pathways and Spaces for Customer Premises Cabling
(Adopted ISO/IEC 18010:2002)



Informatique et télécommunications

[CAN/CSA-ISO/IEC 9995-7:04, 1^{re} édition \(bilingue\)](#)

*Technologies de l'information–Disposition des claviers conçus pour la bureautique–Partie 7 :
Symboles employés pour la représentation de fonctions* (norme ISO/IEC 9995-7:2002 adoptée)

[CAN/CSA-ISO/CEI 14476-1:04, 1^{re} édition](#)

*Technologies de l'information–Protocole de transport de communications amélioré: Spécification
pour le transport simplex en multidiffusion* (norme ISO/CEI 14476-1:2002 adoptée)

[CAN/CSA-ISO/CEI TR 14516:04, 1^{re} édition](#)

*Technologies de l'information–Techniques de sécurité–Lignes directrices pour l'utilisation et la
gestion des services de tiers de confiance* (norme ISO/CEI TR 14516:2002 adoptée)

[CAN/CSA-ISO/CEI 15816:04, 1^{re} édition](#)

*Technologies de l'information–Techniques de sécurité–Objets d'information de sécurité pour le
contrôle d'accès* (norme ISO/CEI 15816:2003 adoptée)

[CAN/CSA-ISO/CEI 15945:04, 1^{re} édition](#)

*Technologies de l'information–Techniques de sécurité–Spécification de services de tiers de
confiance TTP pour la prise en charge des applications de signature numérique*
(norme ISO/CEI 15945:2002 adoptée)



Construction Products and Materials

[W47.1-03, 6th edition](#)

Certification of Companies for Fusion Welding of Steel

[Z241 Series-03, 2nd edition](#)

Part Model Trailers



Electrical / Electronics

[C22.2 No. 65-03, 4th edition](#)

Standard for Wire Connectors

(Tri-national with NMX-J-543-ANCE-03, 1st edition, and UL 486A-486B, 1st edition)

[C22.2 No. 75-03, 8th edition](#)

Thermoplastic-Insulated Wires and Cables

(Tri-national with NMX-J-010-ANCE-2003, 3rd edition, and UL 83, 13th edition)

[CAN/CSA-C22.2 No. 60950-21-03, 1st edition](#)

Information Technology Equipment–Safety–Part 21: Remote Power Feeding

(Bi-national with UL 60950-21)

[CAN/CSA-CEI/IEC 61000-4-15:03, 1st edition \(bilingual\)](#)

Electromagnetic Compatibility (EMC)–Part 4: Testing and Measurement Techniques–

Section 15: Flickermeter–Functional and Design Specifications (Adopted CEI/IEC

61000-4-15:1997, including Amendment 1:2003, edition 1.1, without modification)

[CAN/CSA-E60079-7:03, 2nd edition \(bilingual\)](#)

Electrical Apparatus for Explosive Gas Atmospheres–Part 7: Increased Safety “e”

(Adopted CEI/IEC 60079-7:2001, third edition, without modification)

[CAN/CSA-E60974-5:03, 1st edition \(bilingual\)](#)

Arc Welding Equipment–Part 5: Wire Feeders

(Adopted CEI/IEC 60974-5:2002, first edition, with Canadian deviations)



Électricité et électronique

[C22.2 n° 5-02, 1^{re} édition](#)

Disjoncteurs à boîtier moulé et enveloppe de disjoncteurs

(Norme trinationale comprenant la 10^e édition de la norme UL 489 et la 2^e édition de la norme NMX-J-266-ANCE)

[CAN/CSA-C22.2 n° 60950-21-03, 1^{re} édition](#)

Matériels de traitement de l’information–Sécurité–Partie 21 : Téléalimentation

(norme binationale avec UL 60950-21)

Électricité et électronique (suite)

[CAN/CSA-CEI/IEC 61000-4-15:03, 1^{re} édition \(bilingue\)](#)


Compatibilité électromagnétique (CEM)–Partie 4 : Techniques d'essai et de mesure–Section 15 : Flickermètre–Spécifications fonctionnelles et de conception
(norme CEI/IEC 61000-4-15:1997, y compris l'amendement 1:2003, édition 1.1, adoptée sans modification)

[CAN/CSA-E60079-7:03, 2^e édition \(bilingue\)](#)

Matériel électrique pour atmosphères explosives gazeuses–Partie 7 : Sécurité augmentée «e»
(norme CEI/IEC 60079-7:2001, troisième édition, adoptée sans modification)

[CAN/CSA-E60974-5:03, 1^{re} édition \(bilingue\)](#)

Matériel de soudage à l'arc–Partie 5 : Dévidoirs (norme CEI/IEC 60974-5:2002, première édition, adoptée avec exigences propres au Canada)


 **Énergie**

[B140.0-03, 3rd edition](#)

Oil-Burning Equipment: General Requirements

[C745-03, 3rd edition](#)

Energy Efficiency of Electric Storage Tank Water Heaters and Heat Pump Water Heaters

 **Énergie**

[CAN/CSA-C361-92, 3^e édition](#)

Détermination de la capacité du tambour et méthodes d'essai de la consommation d'énergie des sècheuses électrodomestiques à séchage par culbutage

[CAN/CSA-F429-M90, 1^{re} édition](#)

Pratique recommandée pour l'installation des systèmes de conversion d'énergie éolienne

 **Environnement**

[PLUS 1133, 2^e édition](#)

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[ANSI Z21.80-2003/CSA 6.22-2003, 2nd edition](#)

Line Pressure Regulators

[B149S1-03](#)

Quebec Supplement – 2003 for Use With CSA B149.1-00, “Natural Gas and Propane Installation Code,” and CSA B149.2-00, “Propane Storage and Handling Code”



Appareils à gaz

[B149S1-03](#)

Supplément pour le Québec – 2003 pour utilisation avec les CSA B149.1-00, « Code d’installation du gaz naturel et du propane », et CSA B149.2-00, « Code sur l’emmagasinement et le manipulation du propane »



Life Sciences

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Laboratoires d'analyses de biologie médicale—Exigences particulières concernant la qualité et la compétence (norme ISO 15189:2003, première édition, adoptée avec les exigences propres au Canada)

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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.

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- CAN/CSA-ISO/IEC 9995-7:04, 1^{re} édition (bilingue)**
*Technologies de l'information—Disposition des claviers conçus pour la bureautique—Partie 7 :
 Symboles employés pour la représentation de fonctions*
 (norme ISO/IEC 9995-7:2002 adoptée) 85 \$
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*Technologies de l'information—Techniques de sécurité—Spécification de services de tiers
 de confiance TTP pour la prise en charge des applications de signature numérique*
 (norme ISO/CEI 15945:2002 adoptée)..... 150 \$

Amendments

- CAN/CSA-ISO/IEC 10646-1A-01**
*Amendment 1:2003, "Mathematical Symbols and Other Characters," to
 CAN/CSA-ISO/IEC 10646-1-01, "Information Technology—Universal Multiple-
 Octet Coded Character Set (UCS)—Part 1: Architecture and Basic Multilingual Plane"*
 (Adopted Amendment 1:2002 to ISO/IEC 10646-1:2000).
 This document is available in Portable Document Format (PDF) only \$65
- CAN/CSA-ISO/IEC 13818-6C:02**
*Amendment 3:2003, "Transport Buffer Model in Support of Synchronized User-to-Network
 Download Protocol," to CAN/CSA-ISO/IEC 13818-6:02, "Information Technology—
 Generic Coding of Moving Pictures and Associated Audio Information—Part 6:
 Extensions for DSM-CC"* (Adopted Amendment 3:2001 to ISO/IEC 13818-6:1998).
 This document is available in Portable Document Format (PDF) only \$15



Amendments (cont'd)

CAN/CSA-ISO/IEC 13818-6:02, TC2

Technical Corrigendum 2:2003 to CAN/CSA-ISO/IEC 13818-6:02, "Information Technology—Generic Coding of Moving Pictures and Associated Audio Information—Part 6: Extensions for DSM-CC" (Adopted Technical Corrigendum 2:2002 to ISO/IEC 13818-6:1998). This technical corrigenda is available only with the purchase of the corresponding standard. It is not available as a separate document.

Reaffirmed Standards

CAN/CSA-ISO/IEC ISP 10608-1-99 (R2003)

Information Technology—International Standardized Profile TAnnnn—Connection-Mode Transport Service over Connectionless-Mode Network Service—Part 1: General Overview and Subnetwork-Independent Requirements (Adopted ISO/IEC ISP 10608-1:1992)

CAN/CSA-ISO/IEC ISP 10608-2-99 (R2003)

Information Technology—International Standardized Profile TAnnnn—Connection-Mode Transport Service over Connectionless-Mode Network Service—Part 2: TA51 Profile Including Subnetwork-Dependent Requirements for CSMA/CD Local Area Networks (LANs) (Adopted ISO/IEC ISP 10608-2:1992)

CAN/CSA-ISO/IEC ISP 10608-4-99 (R2003)

Information Technology—International Standardized Profile TAnnnn—Connection-Mode Transport Service over Connectionless-Mode Network Service—Part 4: Definition of Profile TA53, Operation over a Token Ring LAN Subnetwork (Adopted ISO/IEC ISP 10608-4:1994)

CAN/CSA-ISO/IEC ISP 10608-5-99 (R2003)

Information Technology—International Standardized Profile TAnnnn—Connection-Mode Transport Service over Connectionless-Mode Network Service—Part 5: TA1111/TA1121 Profiles Including Subnetwork-Dependent Requirements for X.25 Packet-Switched Data Networks Using Virtual Calls (Adopted ISO/IEC ISP 10608-5:1992)

CAN/CSA-ISO/IEC ISP 10608-6-99 (R2003)

Information Technology—International Standardized Profile TAnnnn—Connection-Mode Transport Service over Connectionless-Mode Network Service—Part 6: Definition of Profile TA54, Operation over an FDDI LAN Subnetwork (Adopted ISO/IEC ISP 10608-6:1995)

CAN/CSA-ISO/IEC ISP 10608-12-99 (R2003)

Information Technology—International Standardized Profile TAnnnn—Connection-Mode Transport Service over Connectionless-Mode Network Service—Part 12: MAC Sublayer and Physical Layer Dependent Requirements for a CSMA/CD LAN Subnetwork (Adopted ISO/IEC ISP 10608-12:1996)

CAN/CSA-ISO/IEC ISP 10608-14-99 (R2003)

Information Technology—International Standardized Profile TAnnnn—Connection-Mode Transport Service over Connectionless-Mode Network Service—Part 14: MAC, PHY and PMD Sublayer Dependent and Station Management Requirements over an FDDI LAN Subnetwork (Adopted ISO/IEC ISP 10608-14:1995)

Reaffirmed Standards (con't'd)

CAN/CSA-ISO/IEC ISP 10609-1-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 1: Subnetwork-Type Independent Requirements for Group TB (Adopted ISO/IEC ISP 10609-1:1992)

CAN/CSA-ISO/IEC ISP 10609-2-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 2: Subnetwork-Type Independent Requirements for Group TC (Adopted ISO/IEC ISP 10609-2:1992)

CAN/CSA-ISO/IEC ISP 10609-3-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 3: Subnetwork-Type Independent Requirements for Group TD (Adopted ISO/IEC ISP 10609-3:1992)

CAN/CSA-ISO/IEC ISP 10609-4-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 4: Subnetwork-type Independent Requirements for Group TE (Adopted ISO/IEC ISP 10609-4:1992)

CAN/CSA-ISO/IEC ISP 10609-5-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 5: Definition of Profiles TB1111/TB1121 (Adopted ISO/IEC ISP 10609-5:1992)

CAN/CSA-ISO/IEC ISP 10609-6-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 6: Definition of Profiles TC1111/TC1121 (Adopted ISO/IEC ISP 10609-6:1992)

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Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 7: Definition of Profiles TD1111/TD1121 (Adopted ISO/IEC ISP 10609-7:1992)

CAN/CSA-ISO/IEC ISP 10609-8-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 8: Definition of Profiles TE1111/TE1121 (Adopted ISO/IEC ISP 10609-8:1992)

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CAN/CSA-ISO/IEC ISP 10609-10-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 10: LAN Subnetwork-Dependent, Media-Independent Requirements (Adopted ISO/IEC ISP 10609-10:1994)



Reaffirmed Standards (cont'd)

CAN/CSA-ISO/IEC ISP 10609-11-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 11: CSMA/CD Subnetwork-Dependent, Media-Dependent Requirements (Adopted ISO/IEC ISP 10609-11:1994)

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Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 12: Definition of Profile TC51, Provision of the OSI Connection-Mode Transport Service Using the OSI Connection-Mode Network Service in an End System Attached to a CSMA/CD LAN (Adopted ISO/IEC ISP 10609-12:1994)

CAN/CSA-ISO/IEC ISP 10609-14-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 14: Definition of Profile TC53, Provision of the OSI Connection-Mode Transport Service Using the OSI Connection-Mode Network Service in an End System Attached to a Token Ring LAN (Adopted ISO/IEC ISP 10609-14:1994)

CAN/CSA-ISO/IEC ISP 10609-15-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 15: Definition of Profile TC54, Provision of the OSI Connection-Mode Transport Service Using the OSI Connection-Mode Network Service in an End System Attached to a FDDI LAN (Adopted ISO/IEC ISP 10609-15:1996)

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Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 21: Subnetwork-Type Dependent Requirements for Network Layer and Data Link Layer for ISDN B-Channel X.25 DTE to DTE Operation (Adopted ISO/IEC ISP 10609-21:1995)

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Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 22: Subnetwork-Type Dependent Requirements for Network Layer and Data Link Layer for ISDN B-Channel X.25 DTE to DCE Operation (Adopted ISO/IEC ISP 10609-22:1995)

CAN/CSA-ISO/IEC ISP 10609-23-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 23: Subnetwork-Type Dependent Requirements for Network Layer and Data Link Layer for Data Transfer Concerning a Packet Switched Mode Integrated Services Digital Network Using Virtual Calls: B-Channel Access Case (Adopted ISO/IEC ISP 10609-23:1995)



Reaffirmed Standards (cont'd)

CAN/CSA-ISO/IEC ISP 10609-24-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 24: Subnetwork-Type Dependent Requirements for Network Layer and Data Link Layer for Data Transfer Concerning a Packet Switched Mode Integrated Services Digital Network Using Virtual Calls: D-Channel Access Case (Adopted ISO/IEC ISP 10609-24:1995)

CAN/CSA-ISO/IEC ISP 10609-25-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 25: Subnetwork-Type Dependent Requirements for Q.931 Circuit-Switched Operation (Adopted ISO/IEC ISP 10609-25:1995)

CAN/CSA-ISO/IEC ISP 10609-26-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 26: Subnetwork-Type Dependent Requirements for Network Layer for Call Control Procedures Concerning the Outgoing Call of a Packet Switched Mode Integrated Services Digital Network in Case B Using Virtual Calls (Adopted ISO/IEC ISP 10609-26:1995)

CAN/CSA-ISO/IEC ISP 10609-27-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 27: Subnetwork-Type Dependent Requirements for Network Layer for Call Control Procedures Concerning the Incoming Call of a Packet Switched Mode Integrated Services Digital Network in Case B Using Virtual Calls (Adopted ISO/IEC ISP 10609-27:1995)

CAN/CSA-ISO/IEC ISP 10609-28-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 28: Subnetwork-Type Dependent Requirements for Data Link Layer for End Systems Attached to an ISDN Subnetwork (Adopted ISO/IEC ISP 10609-28:1995)

CAN/CSA-ISO/IEC ISP 10609-30-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 30: Definition of Profile TC1131 (Adopted ISO/IEC ISP 10609-30:1995)

CAN/CSA-ISO/IEC ISP 10609-31-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 31: Definition of Profile TC1231 (Adopted ISO/IEC ISP 10609-31:1995)

CAN/CSA-ISO/IEC ISP 10609-32-99 (R2003)

Information Technology—International Standardized Profiles TB, TC, TD and TE—Connection-Mode Transport Service Over Connection-Mode Network Service—Part 32: Definition of Profile TC4111 (Adopted ISO/IEC ISP 10609-32:1995)

CAN/CSA-Z243.302-91 (R2003)

*Trade Data Elements Directory (UNTDED 1990)
(Joint CAN/CGSB-200.9-91)*



Reaffirmed Standards (cont'd)

CSA has reaffirmed its endorsement of the following ANSI standards:

- **ANSI T1.110-1992**
Signalling System No. 7 (SS7)–General Information
- **ANSI T1.605-1991**
Integrated Services Digital Network (ISDN)–Basic Access Interface for S and T Reference Points (Layer 1 Specification)
- **ANSI T1.612-1992**
Integrated Services Digital Network (ISDN)–Terminal Adaptation Using Statistical Multiplexing
- **ANSI T1.613-1991**
Digital Subscriber Signalling System No. 1 (DSS1), ISDN Call Waiting
- **ANSI T1.614-1991**
Packet Mode Bearer Service Category Description
- **ANSI T1.615-1992**
Digital Subscriber Signalling System No. 1 (DSS1)–Layer 3 Overview
- **ANSI T1.616-1992**
Integrated Services Digital Network (ISDN)–Call Hold Supplementary Service
- **ANSI T1.617-1991**
Integrated Services Digital Network (ISDN)–Signalling Specification for Frame Relay Bearer Service for Digital Subscriber Signalling System Number 1 (DSS1)
- **ANSI T1.618-1991**
Integrated Services Digital Network (ISDN)–Core Aspects of Frame Protocol for Use With Frame Relay Bearer Service

Withdrawn Standards

T500-1983 (R1999)

Videotex/Teletext Presentation Level Protocol Syntax (North American PLPS)

T500S1-1991 (R2001)

Supplement No. 1 to CSA Standard T500



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

W47.1-03, 6th edition

Certification of Companies for Fusion Welding of Steel \$150

This standard provides requirements for the certification of companies engaged in fusion welding of steel and the qualification of their personnel and welding procedures.

The requirements of this standard are based on the principle that a certified company has full responsibility for the quality of the welded product it produces, and this responsibility cannot be transferred to its employed or retained personnel, or to the administrator of this standard.

Z241 Series-03, 2nd edition

Part Model Trailers \$210

The Z241 Series includes the following standards:

- **Z241.0-03**, *Definitions and General Safety Requirements for Park Model Trailers*. This standard provides the definition of the term “park model trailer” as used in the Z241 series of standards. It also gives general safety requirements that apply to the other standards in the series.
- **Z241.1-03**, *Vehicular Requirements for Park Model Trailers*. This standard specifies vehicular requirements for park model trailers, including minimum requirements for the coupling and the tongue or A-frame, and for the running gear of the trailer. This standard applies to park model trailers equipped with returnable running gear or limited-use running gear.
- **Z241.2-03**, *Construction Requirements for Park Model Trailers*. This standard outlines the minimum requirements for materials, products, equipment, and quality of work needed to ensure that park model trailers will provide adequate
 - a) structural strength and rigidity;
 - b) protection against corrosion, decay, insects, and similar destructive forces;
 - c) protection against the hazards of fire;
 - d) resistance to the elements, and
 - e) durability and economy of maintenance.
- **Z241.3-03**, *Plumbing System Requirements for Park Model Trailers*. This standard specifies the minimum installation requirements and material standards for a plumbing system in a park model trailer.
- **Z241.4-03**, *Installation Requirements for Propane Appliances and Equipment in Park Model Trailers*. This standard applies to factory installation of propane appliances and equipment in park model trailers.
- **Z241.5-03**, *Electrical Requirements for Park Model Trailers*. This standard applies to the electrical requirements for park model trailers that are intended to be connected by a cord and attachment plug to a source of electrical supply not exceeding 250 V between conductors or 150 V to ground, and 50 A maximum, in accordance with the rules of the *Canadian Electrical Code, Part I*.



Amendments

CAN/CSA-B602-99

Mechanical Couplings for Drain, Waste, and Vent Pipe and Sewer Pipe

Revision of Clause 4.3.

CAN/CSA-S475-03

Sea Operations

Revision of the outside and inside front cover, and the title page.

Modifications publiées en français

Série B45-02

Appareils sanitaires

Les modifications suivantes ont été apportées à la série B45 :

Les articles suivants ont été modifiés :

- B45.0-02 : article 4.13.2 et figure 2.
- B45.5-02 : article 5.6.2.1.

CAN/CSA-B602-99

Joints mécaniques pour tuyaux d'évacuation, de ventilation et d'égout

Des modifications ont été apportées à l'article 4.3.

CAN/CSA-S475-03

Opérations en haute mer

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

Reaffirmed Standards

CAN/CSA-A82.1-M87 (R2003)

Burned Clay Brick (Solid Masonry Units Made from Clay or Shale)

CAN3-A82.2-M78 (R2003)

Methods of Sampling and Testing Brick

CAN3-A82.8-M78 (R2003)

Hollow Clay Brick



Reaffirmed Standards (cont'd)

CAN/CSA-O132.2 Series-90 (R2003)

Wood Flush Doors

This series includes the following five standards:

- CAN/CSA-O132.2.0-90 (R2003), *General Requirements for Wood Flush Doors*
- CAN/CSA-O132.2.1-90 (R2003), *Solid Core Wood Flush Doors*
- CAN/CSA-O132.2.2-90 (R2003), *Hollow Core Wood Flush Doors*
- CAN/CSA-O132.2.3-90 (R2003), *Testing and Inspection Requirements for Wood Flush Doors*
- CAN/CSA-O132.2.4-90 (R2003), *Hardware Location for Wood Flush Doors*

O151-M1978 (R2003)

Canadian Softwood Plywood

Under Development

Notice of Intent

For more information about the proposed development of the following new project, contact Derrick Mckenzie at 416-747-2746 or derrick.mckenzie@csa.ca:

- **O80.207, 1st edition**
Preservative Treatment with Chromated Copper Arsenate-Polymer Additive (CCA-PA)

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

- **O86S1**
Supplement No. 1 to CAN/CSA-O86-01, "Engineering Design in Wood"
- **S6S1**
Supplement No. 1 to CAN/CSA-S6-00, "Canadian Highway Bridge Design Code (CHBDC)"
- **S16S1**
Supplement No. 1 to CAN/CSA-S16-01, "Limit States Design of Steel Structures"
- **S832, 2nd edition**
Guideline for Seismic Risk Reduction of Operational and Functional Components (OFCS) of Buildings



Proposed Reaffirmation of Standards

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

- **A283-00**
Qualification Code for Concrete Testing Laboratories
- **CAN/CSA-A438-00**
Concrete Construction for Housing and Small Buildings
- **A864-00**
Guide to the Evaluation and Management of Concrete Structures Affected by Alkali-Aggregate Reaction

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
October 31, 2003	Publication of Technical Information Letter No. RV-05 covering interim certification requirements for the installation of Oil-Fired Hot Water Boilers in Recreational Vehicles.	Recreational Vehicles No. 26

Certification Notices

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

Effective Date	Subject	Title
March 31, 2004	Publication of the seventh edition of CSA standard CAN/CSA-A14-00, <i>Concrete Poles</i> .	Concrete Products No. 14

Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

C22.2 No. 65-03, 4th edition

Standard for Wire Connectors

(Tri-national with NMX-J-543-ANCE-03, 1st edition, and UL 486A-486B, 1st edition) \$245

This standard applies to connectors for use with all alloys of copper or aluminium conductors, or both, for providing contacts between current-carrying parts, in accordance with the *Canadian Electrical Code (CEC), Part I*, in Canada, as follows:

- pressure wire connectors intended to hold one or more conductor(s)
- connectors intended for use in appliances and equipment that comply with the requirements for such appliances and equipment
- soldering connectors
- splicing wire connectors intended for use with 4 AWG (21.2 mm²) or larger conductors
- neutral bars
- uninsulated connectors that are used in circuits rated 35 000 V or less
- ampere-rated connectors not intended for general use
- insulation piercing connectors

This standard does not apply to the following:

- connectors intended for direct burial
- insulated connectors for voltage levels above 600 V (1 000 V in a sign, lighting fixture, or luminaire)
- manual twist-on connectors
- built-in terminal connectors in devices rated less than 30 A intended for outlet box mounting or having provision for stress relief
- flat quick-connect terminals
- wire binding screw terminals

C22.2 No. 75-03, 8th edition

Thermoplastic-Insulated Wires and Cables

(Tri-national with NMX-J-010-ANCE-2003, 3rd edition, and UL 83, 13th edition) \$245

This standard specifies the requirements for 600 V, single-conductor, thermoplastic-insulated wires and cables for use in Canada in accordance with the *Canadian Electrical Code (CEC), Part I*.

This standard also specifies the requirements for submersible-pump cable, with or without jackets. No type-letter designations are assigned to these cables.



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

CAN/CSA-C22.2 No. 60950-21-03, 1st edition

Information Technology Equipment–Safety–Part 21: Remote Power Feeding
(Bi-national with UL 60950-21) \$245

This part of CAN/CSA-C22.2 No. 60950 is intended to be used with CAN/CSA-C22.2 No. 60950-1. This particular standard applies to information technology equipment intended to supply and receive operating power via a telecommunications network, where the voltage exceeds the limits for TNV circuits.

CAN/CSA-CEI/IEC 61000-4-15:03, 1st edition (bilingual)

Electromagnetic Compatibility (EMC)–Part 4: Testing and Measurement Techniques–Section 15: Flickermeter–Functional and Design Specifications
(Adopted CEI/IEC 61000-4-15:1997, including Amendment 1:2003, edition 1.1, without modification) \$95

This section of CAN/CSA-CEI/IEC 61000-4 gives a functional and design specification for flicker-measuring apparatus intended to indicate the correct flicker perception level for all practical voltage fluctuation waveforms. Information is presented to enable such an instrument to be constructed. A method is given for the evaluation of flicker severity on the basis of the output of flickermeters complying with this standard.

CAN/CSA-E60079-7:03, 2nd edition (bilingual)

Electrical Apparatus for Explosive Gas Atmospheres–Part 7: Increased Safety “e”
(Adopted CEI/IEC 60079-7:2001, third edition, without modification) \$190

This part of CAN/CSA-E60079 specifies the requirements for the design, construction, testing and marking of electrical apparatus with type of protection increased safety “e” intended for use in explosive gas atmospheres. This standard applies to electrical apparatus with a rated value of supply voltage not exceeding 11 kV r.m.s. a.c. or d.c. Additional measures are applied to ensure that the apparatus does not produce arcs, sparks, or excessive temperatures in normal operation or under specified abnormal conditions.

CAN/CSA-E60974-5:03, 1st edition (bilingual)

Arc Welding Equipment–Part 5: Wire Feeders (Adopted CEI/IEC 60974-5:2002, first edition, with Canadian deviations) \$80

This part of CAN/CSA-E60974 specifies safety and performance requirements for industrial and professional equipment used in arc welding and allied processes to feed filler wire.

The wire feeder may be a stand-alone unit that may be connected to a separate welding power source or one where the welding power source and the wire feeder are housed in a single enclosure.

The wire feeder may be suitable for manually or mechanically guided torches.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français**C22.2 n° 5-02, 1^{re} édition***Disjoncteurs à boîtier moulé et enveloppe de disjoncteurs*(Norme trinationale comprenant la 10^e édition de la norme UL 489 et la 2^e édition de la norme NMX-J-266-ANCE) 430 \$

Cette norme vise les disjoncteurs à boîtier moulé, les disjoncteurs et les disjoncteurs différentiels, les disjoncteurs protégés par fusibles et les protecteurs à courant de fuite à la terre élevés.

Cette norme vise aussi les disjoncteurs à déclenchement instantané conçus pour équiper un contrôleur de moteur combiné.

Cette norme vise les interrupteurs à boîtier moulé et les interrupteurs à boîtier moulé protégés par fusibles.

Cette norme vise les dispositifs d'au plus 600 V et 6000 A.

Les dispositifs visés sont conçus pour être installés sous enveloppe ou dans d'autres dispositifs tels des panneaux. L'acceptabilité de la combinaison sera établie au moment de l'évaluation du produit fini.

Cette norme contient des suppléments qui énoncent des exigences visant les disjoncteurs à boîtier moulé pour :

- a) usage marin ;
- b) usage naval ;
- c) alimentation sans coupure ;
- d) disjoncteurs classifiés.

CAN/CSA-C22.2 n° 60950-21-03, 1^{re} édition*Matériels de traitement de l'information–Sécurité–Partie 21 : Téléalimentation*

(norme binationale avec UL 60950-21)..... 245 \$

La présente Partie 21 de CAN/CSA-C22.2 n° 60950 est destinée à être utilisée avec la CAN/CSA-C22.2 n° 60950-1. La présente partie de la CAN/CSA-C22.2 n° 60950 s'applique aux matériels de traitement de l'information destinés à fournir et à recevoir une alimentation via un réseau de télécommunications dont la tension dépasse les limites pour les circuits TRT.

CAN/CSA-CEI/IEC 61000-4-15:03, 1^{re} édition (bilingue)*Compatibilité électromagnétique (CEM)–Partie 4 : Techniques d'essai et de mesure–Section 15 : Flickermètre–Spécifications fonctionnelles et de conception*

(norme CEI/IEC 61000-4-15:1997, y compris l'amendement 1:2003, édition 1.1, adoptée sans modification) 95 \$

La présente section de la CAN/CSA-CEI/IEC 61000-4 traite des spécifications fonctionnelles et de conception d'un appareil mesurant le flicker, destiné à indiquer le niveau correct de perception du flicker du flux lumineux (le flicker) pour toutes les formes d'ondes de fluctuation de la tension rencontrées dans la pratique. On y présente des informations permettant de construire un tel instrument. Une méthode d'évaluation de la sévérité du flicker est fournie à partir des résultats obtenus avec des flickermètres en conformité avec cette norme.



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

CAN/CSA-E60079-7:03, 2^e édition (bilingue)

Matériel électrique pour atmosphères explosives gazeuses—Partie 7 : Sécurité augmentée «e»
(norme CEI/IEC 60079-7:2001, troisième édition, adoptée sans modification) 190 \$

La présente partie de la CAN/CSA-E60079 indique les prescriptions spécifiques de conception, de construction, d'essais et de marquage du matériel électrique avec mode de protection augmentée «e» destiné à être utilisé dans les atmosphères explosives gazeuses. La présente norme s'applique au matériel électrique ayant une valeur assignée de tension d'alimentation ne dépassant pas 11 kV en courant alternatif (valeur efficace) ou en courant continu. Des mesures supplémentaires sont appliquées pour que le matériel ne produise ni arc, ni étincelle, ni température excessive en fonctionnement normal ou dans des conditions anormales spécifiées.

CAN/CSA-E60974-5:03, 1^{re} édition (bilingue)

Matériel de soudage à l'arc—Partie 5 : Dévidoirs (norme CEI/IEC 60974-5:2002, première édition, adoptée avec exigences propres au Canada) 80 \$

La présente partie de la CAN/CSA-E60974 spécifie les exigences de sécurité et de performance pour le matériel industriel et professionnel utilisé lors de soudage à l'arc et les techniques connexes pour l'alimentation en fil d'apport.

Le dévidoir peut être une unité indépendante pouvant être raccordée à une source de courant de soudage séparée ou une unité intégrant la source de courant de soudage et le dévidoir dans une enveloppe unique.

Le dévidoir peut être adapté aux torches guidées manuellement ou mécaniquement.

Amendments

CAN/CSA-C22.2 No. 60950-1-03

Information Technology Equipment—Safety—Part 1: General Requirements
(Binational with UL 60950-1)

Revision of the title page, the copyright page, the preface, clause 3.1.9, Table C.1, and Annex NAA.

Modifications publiées en français

CAN/CSA-C22.2 n° 60950-1-03

Matériels de traitement de l'information—Sécurité—Partie 1 : Prescriptions générales
(norme binationale avec UL 60950-1)

Des modifications ont été apportées à la page titre, la page des droits d'auteur, la préface, et l'annexe NAA.

Reaffirmed Standards

C22.2 No. 55-M1986 (R2003)

Special Use Switches

CAN/CSA-C22.2 No. 64-M91 (R2003)

Household Cooking and Liquid-Heating Appliances

C22.2 No. 79-1978 (R2003)

Cellular Metal and Cellular Concrete Floor Raceways and Fittings

C22.2 No. 80-1978 (R2003)

Underfloor Raceways and Fittings

C22.2 No. 153-M1981 (R2003)

Quick-Connect Terminals

C22.2 No. 174-M1984 (R2003)

Cables and Cable Glands for Use in Hazardous Locations

C22.2 No. 187-M1986 (R2003)

Electrostatic Air Cleaners

C22.2 No. 197-M1983 (R2003)

PVC Insulating Tape

C22.2 No. 222-M1986 (R2003)

Type FCC Under-Carpet Wiring System

CAN/CSA-C22.2 No. 223-M91 (R2003)

Power Supplies with Extra-Low-Voltage Class 2 Outputs

CAN/CSA-C68.1-92 (R2003)

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

CAN/CSA-C71-1-99 (R2003)

Insulation Coordination—Part 1: Definitions, Principles and Rules

CAN/CSA-C50052-99 (R2003)

Cast Aluminum Alloy Enclosures for Gas-Filled High-Voltage Switchgear and Controlgear
(Adopted EN 50052:1986, including Amendment A1:1990 and Amendment A2:1993, with Canadian deviations)

CAN/CSA-C50064-99 (R2003)

Wrought Aluminium and Aluminium Alloy Enclosures for Gas-Filled High-Voltage Switchgear and Controlgear (Adopted EN 50064:1989, including Amendment A1:1993, with Canadian deviations)

CAN/CSA-C50068-99 (R2003)

Wrought Steel Enclosures For Gas-Filled High-Voltage Switch Gear And Controlgear
(Adopted EN 50068:1991, including Amendment A1:1993, with Canadian deviations)



Reaffirmed Standards (cont'd)

CAN/CSA-C50069-99 (R2003)

Welded Composite Enclosures of Cast and Wrought Aluminium Alloys for Gas-Filled High-Voltage Switchgear and Controlgear (EN 50069:1991, including Amendment A1:1993, with Canadian deviations)

CAN/CSA-C50089-99 (R2003)

Cast Resin Partitions for Metal-Enclosed Gas-Filled High-Voltage Switchgear and Controlgear (Adopted EN 50089:1992, including Amendment A1:1994, with Canadian deviations)

CSA has reaffirmed its endorsement of the following IEC standard:

IEC 60672-1 (1995-06)

Ceramic and Glass Insulating Materials—Part 1: Definitions and Classification

Under Development

Notice of Intent

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

- **C22.2 No. 0, 9th edition**
General Requirements—Canadian Electrical Code, Part II
- **C22.2 No. 94.2, 1st edition**
Enclosures for Electrical Equipment—Part 2: Environmental Requirements

For more information about the proposed development of the following new projects, contact Denis Vaz at 416-747-2519 or denis.vaz@csa.ca:

- **C22.2 No. 84, 3rd edition**
Incandescent Lamps
- **C22.2 No. 198.1, 3rd edition**
Extruded Insulating Tubing

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

- **C22.2 No. 141.1, 1st edition**
Central Station for Emergency Lighting and Power Equipment
- **C22.2 No. 250.20.1, 1st edition**
Temporary Lighting Strings
- **C22.2 No. 250.20.2, 1st edition**
Flexible Light Cable Systems
- **C22.2 No. 250.570, 1st edition**
Track Lighting Strings
- **C22.2 No. 256, 1st edition**
Direct Plug-In Nightlights



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 February 18, 2004.

Draft Standards

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

- **C22.2 No. 236, 3rd edition**
Heating and Cooling Equipment

Proposed Amendments

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

- **C22.2 No. 5-02**
Molded Case Circuit Breakers, Molded Case Switches and Circuit Breaker Enclosures
Proposed revision of various clauses.
- **C22.2 No. 18.5-01**
Positioning Devices
Proposed revision of Clauses 7.2.4, 9.2, 9.4, 9.7, 9.8, 11.1, and 15.5 and Table 1.
- **C22.2 No. 89-1976 (R1999)**
Swimming Pool Luminaires, Submersible Luminaires and Accessories
Proposed revision of Clause 4.2.11.1.
- **C22.2 No. 104-01**
Humidifiers
Proposed revision of Clauses 20.19, 42.11 and 42.12.
Proposed addition of Clause 40.5.1.
- **C22.2 No. 184.1-96 (R2001)**
Solid-State Dimming Controls
Proposed revision of various clauses.
- **C22.2 No. 211.0-03**
General Requirements and Methods of Testing for Nonmetallic Conduit
Proposed addition of Clause 6.17.



Drafts for Public Review (cont'd)

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 60745-2-12:2003**
*Hand-Held Motor-Operated Electric Tools–Safety–Part 2-12:
Particular Requirements for Concrete Vibrators*
- **IEC 60745-2-18:2003**
*Hand-Held Motor-Operated Electric Tools–Safety–Part 2-18:
Particular Requirements for Strapping Tools*
- **IEC 60745-2-20:2003**
*Hand-Held Motor-Operated Electric Tools–Safety–Part 2-20:
Particular Requirements for Band Saws*
- **IEC 60745-2-21:2003**
*Hand-Held Motor-Operated Electric Tools–Safety–Part 2-21:
Particular Requirements for Drain Cleaners*

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 60335-2-14:2002**
*Household and Similar Electrical Appliances–Safety–Part 2-14:
Particular Requirements for Electric Kitchen Machines*
- **IEC 60335-2-15:2003**
*Household and Similar Electrical Appliances–Safety–Part 2-15:
Particular Requirements for Appliances for Heating Liquids*
- **IEC 60335-2-23:2003**
*Household and Similar Electrical Appliances–Safety–Part 2-23:
Particular Requirements for Appliances for Skin or Hair Care*
- **IEC 60335-2-29:2003**
*Household and Similar Electrical Appliances–Safety–Part 2-29:
Particular Requirements for Battery Chargers*
- **IEC 60335-2-31:2002**
*Household and Similar Electrical Appliances–Safety–Part 2-31:
Particular Requirements for Range Hoods*
- **IEC 60335-2-53:2002**
*Household and Similar Electrical Appliances–Safety–Part 2-53:
Particular Requirements for Sauna Heating Appliances*
- **IEC 60335-2-55:2002**
*Household and Similar Electrical Appliances–Safety–Part 2-55:
Particular Requirements for Electrical Appliances for Use with Aquariums and Garden Ponds*

Drafts for Public Review (cont'd)

Proposed Adoptions (cont'd)

- **IEC 60335-2-59:2002**
*Household and Similar Electrical Appliances–Safety–Part 2-59:
Particular Requirements for Insect Killers*
- **IEC 60335-2-76:2002**
*Household and Similar Electrical Appliances–Safety–Part 2-76:
Particular Requirements for Electric Fence Energizers*
- **IEC 60335-2-82:2002**
*Household and Similar Electrical Appliances–Safety–Part 2-82:
Particular Requirements for Service Machines and Amusement Machines*

Proposed Reaffirmation of Standards

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

- **CAN3-C13-M83**
Instrument Transformers

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
October 29, 2003	Publication of Technical Information Letter No. H-17, covering interim certification requirements for Signal Sensing Devices and/or Power Supplies installed in meter-mounting accessories.	Telecommunications Equipment No. 2

Certification Notices

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

Effective Date	Subject	Title
▶ January 2, 2004	Publication of Technical Information Letter No. D-27, covering the implementation of new requirements to address operational reliability of Ground Fault Circuit Interrupters.	Ground Fault Circuit Interrupters No. 4
January 2, 2004	Publication of a new edition of UL 943. The requirements in UL 943 are the basis for CSA certification to the US requirements, indicated by the CSA Mark with the <i>NRTL</i> or <i>US</i> indicator.	Ground Fault Circuit Interrupters No. 3

**Certification Notices (cont'd)**

Effective Date	Subject	Title
April 10, 2004	Publication of an amendment to the twelfth edition of UL 153, <i>Portable Electric Luminaires</i> . The requirements in UL 153 are the basis for CSA certification to the US requirements, indicated by the CSA Mark with the <i>NRTL</i> or <i>US</i> indicator.	Lighting Products No. 39
July 1, 2004	Publication of Technical Information Letter No. I-39, covering interim certification requirements that will be incorporated into the next edition of C22.2 No. 1.	Audio and Video Equipment No. 15
September 30, 2004	Publication of the third edition of CSA standard C22.2 No. 107.1-01, <i>General Use Power Supplies</i> . (Supersedes Certification Notice, <i>Power Supplies No. 4</i> .) (Note: The effective date was September 2002 for certain types specified in the notice.)	Power Supplies No. 18
January 1, 2005	Publication of Technical Information Letter No. B-71, announcing new requirements for neon transformers and power supplies.	Lighting Products No. 42
▶ January 1, 2005	Extension of effective date for the new marking requirements of Clause 17.2.2 of CSA standard C22.2 No. 250.0-00/UL 1598 “Luminaires”, to show catalog number, model number, series or other similar marking. (Supplemental to Lighting Products Notice No. 35.)	Lighting Products No. 35A
March 1, 2007	Publication of CAN/CSA-C22.2 No. 60065:03, <i>Audio, Video and Similar Electronic Apparatus—Safety Requirements</i> .	Audio and Video Equipment No. 16
January 1, 2010	Changes to the withdrawal dates of standards C22.2 No. 1-98, UL 469, UL 813 and UL 1492.	Audio and Video Equipment No. 16



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

B140.0-03, 3rd edition

Oil-Burning Equipment: General Requirements \$70

This standard covers construction, general requirements, test methods, marking, and instructions that are common to some or all of the CSA B140 series of standards.

C745-03, 3rd edition

Energy Efficiency of Electric Storage Tank Water Heaters and Heat Pump Water Heaters \$55

This standard specifies the methods for determining the energy factor for electric storage tank water heaters and heat pump water heaters.

This standard establishes minimum energy efficiency levels for electric storage tank water heaters and heat pump water heaters.

This standard applies to the following:

- a) electric storage tank water heaters
 - i) with volumes of 76 to 454 L (20 to 120 US gal);
 - ii) having electric heater elements with power inputs up to 12 kW; and
 - iii) designed to heat and store water at a thermostatically controlled temperature equal to or less than 82 °C (180°F); and
- b) heat pump water heaters that have
 - i) a maximum current rating of 24A;
 - ii) a single-phase maximum voltage of 250 V; and
 - iii) ancillary equipment necessary for the device to function.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

CAN/CSA-C361-92, 3^e édition

Détermination de la capacité du tambour et méthodes d'essai de la consommation d'énergie des sècheuses électrodomestiques à séchage par culbutage 50 \$

Cette norme énonce des méthodes permettant de déterminer la consommation d'énergie et la capacité du tambour de même que les essais utilisés pour évaluer le rendement des sècheuses électrodomestiques automatiques du type à séchage par culbutage.

Cette norme définit des méthodes permettant de mesurer la consommation d'énergie et prescrit les facteurs énergétiques de même que les valeurs limites de consommation d'énergie.

Cette norme vise les sècheuses du type à séchage par culbutage, fonctionnant à l'électricité, modèles compacts et standard, qui sont conçues pour une alimentation en courant alternatif à une tension nominale de 120, 120/240 ou 120/208 V, 60 Hz.



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

CAN/CSA-F429-M90, 1^{re} édition

Pratique recommandée pour l'installation des systèmes de conversion

d'énergie éolienne..... 50 \$

Cette norme énonce les méthodes recommandées pour l'installation des systèmes de conversion d'énergie éolienne (SCEE), de même que les spécifications nécessaires.

Cette norme est destinée à être utilisée conjointement aux normes CSA pertinentes et aux notices, dessins et spécifications du fabricant, dans le but d'assurer la sécurité des installateurs et du public et de réduire tout risque d'endommagement des biens et des SCEE.

Reaffirmed Standards

CAN/CSA-C742-98 (R2003)

Performance of Automatic Ice-Makers and Ice Storage Bins

CAN/CSA-C827-98 (R2003)

Energy Performance Standard for Food Service Refrigerators and Freezers

CAN/CSA-F326-M91 (R2003)

Residential Mechanical Ventilation Systems

CAN/CSA-F383-87 (R2003)

Installation Code for Solar Domestic Hot Water Systems

Formal Interpretations

The following interpretation regarding CSA standard **CAN/CSA-B139-00**, *Installation Code for Oil Burning Equipment*, has been approved by the Technical Committee on Installation Code for Oil Burning Equipment.

Question: Are oil storage tanks certified to ULC/ORD C80.1 suitable for installation and use according to CAN/CSA-B139, even though they are equipped with high density polyethylene pipe fittings?

Answer: Yes.

The following interpretation regarding **Clause 5.5.2** of CSA standard **CAN/CSA-C282-00**, *Emergency Electrical Power Supply for Buildings*, has been approved by the Technical Committee on Emergency Electrical Power Supply for Buildings.

Question 1: Is it the intention of this clause to disallow the installation of multiple generator sets in the same open room?

Answer: No.

Question 2: Can the word “area” be interpreted as one open room?

Answer: Yes.

Under Development

Notice of Intent

For more information about the proposed development of the following new projects, contact Robert Storey at 416-747-2685 or robert.storey@csa.ca:

- **C747, 2nd edition**
Energy Efficiency Test Methods for Single- and Three-Phase Small Motors
- **C837, 1st edition**
Performance of Compressors
- **C838, 1st edition**
Performance of Fans and Blowers
- **C861, 2nd edition**
Performance of Compact Fluorescent Lamps and Ballasted Adaptors
- **C866, 1st edition**
Performance of Light Emitting Diodes
- **C867, 1st edition**
Performance of Residential Lighting

For more information about the proposed development of the following new project, contact Mario Micallef at 416-747-2266 or mario.micallef@csa.ca

- **B836, 2nd edition**
Storage, Handling, and Dispensing of Aviation Fuels at Aerodromes



Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
October 31, 2003	Publication of Technical Information Letter No. R-17, covering interim certification requirements for oil-fired hot water boilers for mobile housing and recreational vehicles.	Fuel Burning Equipment No. 82
October 31, 2003	Publication of Technical Information Letter No. R-18, covering interim certification requirements for portable fuel cell generating systems.	Fuel Burning Equipment No. 83

Certification Notices

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

Effective Date	Subject	Title
January 20, 2004	Extension of the effective dates for compliance to the Flammable Vapours Resistance and Lint, Dust and Oil Build-up tests for storage water heaters with input of 75,000 Btuh or less.	Fuel Burning Equipment No. 80



Completed Projects / Projets terminés

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

PLUS 1133, 2^e édition

Lignes directrices sur les systèmes d'aménagement forestier durable—Principes généraux et méthodes de vérification des systèmes d'aménagement forestier durable 35 \$

Cette publication spéciale énonce des principes généraux visant la planification et l'exécution d'une vérification de système d'aménagement forestier durable conformément aux exigences mentionnées dans la norme Z809 de la CSA. Les méthodes proposées conviennent à tout type et à toute taille d'organisme.

PLUS 1134, 2^e édition

Lignes directrices sur les systèmes d'aménagement forestier durable—Critères de qualification—Vérificateurs de systèmes d'aménagement forestier durable..... 35 \$

Cette publication spéciale offre des conseils relatifs aux critères de qualification pour les vérificateurs et les vérificateurs principaux de systèmes d'aménagement forestier durable. Cependant, elle n'aborde pas les critères de sélection et la composition des équipes de vérification.

Pour plus de renseignements sur de tels sujets, prière de consulter la publication spéciale PLUS 1133 de la CSA.

Reaffirmed Standards

Z810-98 (R2003)

Life Cycle Impact Assessment: Pulp and Paper Production Phase

CAN/CSA-Z825-98 (R2003)

Guide to ISO 14001 for Auditors and Users



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

ANSI Z21.47-2003/CSA 2.3-2003, 4th edition

Gas-Fired Central Furnaces \$1,000

This standard details test and examination criteria for automatically operating gas-fired central furnaces for use with natural, manufactured and mixed gases, LP gases and LP gas-air mixtures. Central furnaces are designed to supply heated air through ducts to building spaces remote from or adjacent to the appliance location. Central furnaces are intended for installation in residential, commercial and industrial structures including direct vent, recreational vehicle, outdoor and manufactured (mobile) home.

ANSI Z21.80-2003/CSA 6.22-2003, 2nd edition

Line Pressure Regulators \$430

This standard details test and examination criteria for line pressure regulators, either individual or in combination with overpressure protection devices intended for application in natural gas piping systems between the service regulator and the gas appliance(s).

This standard applies to regulators rated at 2, 5, or 10 psi (13.8, 34.5, or 68.9 kPa) with maximum outlet pressure of 1/2 or 2 psi (3.5 or 13.8 kPa), depending on the intended application.

B149S1-03

Quebec Supplement – 2003 for Use With CSA B149.1-00, “Natural Gas and Propane Installation Code,” and CSA B149.2-00, “Propane Storage and Handling Code” \$10

This supplement is intended for use in Quebec in conjunction with the *CSA B149 Code Series*. The supplement is a copy of the *Regulation to Amend the Construction Code* approved by Order in Council 875-2003 dated 20 August 2003. The text of the Regulation is reproduced from the *Gazette Officielle du Québec*, September 3, 2003, Vol. 135, No. 36.

Nouvelles éditions – Publications spéciales publiées en français

B149S1-03

Supplément pour le Québec – 2003 pour utilisation avec les CSA B149.1-00, « Code d'installation du gaz naturel et du propane », et CSA B149.2-00, « Code sur l'emmagasinage et le manipulation du propane » 10 \$

Ce supplément est conçu pour être utilisé au Québec de concert avec les codes de la série CSA B149. Ce supplément est une copie du G. O. 875-2003, 20 août 2003 « Règlement modifiant le Code de construction » reproduit dans la *Gazette Officielle du Québec*, 3 septembre 2003, vol. 135, n° 36.



Amendments

CAN/CSA-P.4.1-02

Testing Method for Measuring Annual Fireplace Efficiency

Revision of the outside and inside front cover, and the title page.

Modifications publiées en français

CAN/CSA-P.4.1-02

Méthode d'essai pour mesurer l'efficacité annuelle des foyers

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

Reaffirmed Standards

ANSI Z21.17-1998/CSA 2.7-M98 (R2003)

Domestic Gas Conversion Burners

ANSI Z21.41-1998/CSA 6.9-M98 (R2003)

Quick Disconnect Devices for Use with Gas Fuel Appliances

CAN1-2.15-M83 (R2003)

Gas-Fired Domestic Lighting Appliances

CGA 2.17-M91 (R2003)

Gas-Fired Appliances for Use at High Altitudes

CGA 3.2-1976 (R2003)

Industrial and Commercial Gas-Fired Package Furnaces

CGA 3.4-1973 (R2003)

Industrial and Commercial Gas-Fired Conversion Burners

CGA-3.11-M88 (R2003)

Lever Operated Pressure Lubricated Plug Type Gas Shut-Off Valves

CGA 3.16-M88 (R2003)

Lever Operated Non-Lubricated Gas-Shut-Off Valves

CGA 5.2-1971 (R2003)

Gas-Fired Waterless Toilet

CGA 9.2-M88 (R2003)

Manually Operated Shut-Off Valves for Gas Piping Systems

CGA P.2-1992 (R2003)

Testing Method for Measuring Annual Fuel Utilization Efficiencies of Residential Furnaces and Boilers



Reaffirmed Standards (cont'd)

CGA P.6-1993 (R2003)

Testing Method for Measuring Thermal and Operating Efficiencies of Gas-Fired Pool Heaters

CAN/CSA-P.7-98 (R2003)

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

Under Development

Notice of Intent

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

- **CSA P.2, 2nd edition**
Testing Method for Measuring Annual Fuel Utilization Efficiencies of Residential Furnaces and Boilers
- **CSA P.8, 3rd edition**
Thermal Efficiencies of Industrial and Commercial Gas-Fired Package Furnaces
- **CSA P.10, 1st edition**
Determination of System Capacities, Performance and Energy Consumption of Residential HVAC Systems

Drafts for Public Review

The Gas Equipment draft material sent for review consists only of pages being revised from the previous draft or edition; that is, the review material usually does not include a copy of the entire standard.

Please note: Public comments about draft standards, proposed amendments, proposed adoptions and proposed endorsements listed in this issue are due by February 18, 2004.

Draft Standards

To receive copies of the following, or to offer comments, contact Tony Joseph at 416-747-4035 or tony.joseph@csa.ca:

- **ANSI Z21.41/CSA 6.9, 2nd edition**
Quick Disconnect Devices for Use with Gas Fuel Appliances.

Proposed Amendments

To receive copies of the following proposed amendment, or to offer comments, contact Tony Joseph at 416-747-4035 or tony.joseph@csa.ca:

- **ANSI Z83.7/CSA 2.14, proposed addenda “a”**
Gas-Fired Construction Heaters



Certification and Testing (CSA International)

Certification Notices

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

Effective Date	Subject	Title
June 1, 2004	Publication of addenda for Z21.20-2003/CSA 2.34-2003, <i>Gas-Fired Low-Intensity Infrared Heaters</i> .	Gas Products No. 2
▶ July 1, 2004	Announcing the extension of effective dates for storage-type gas-fired water heater compliance with the FVIR test protocol referenced in section 2.35 of ANSI Z21.10.1a/CSA 4.1a-2000 and the LDO test protocol referenced in section 2.36 of ANSI Z21.10.1a/CSA 4.1a-2002. This notice supersedes our previous notice to manufacturers dated February 14, 2003.	Gas Products No. 7
August 1, 2004	Publication of addenda for Z21.60-2003/CSA 2.26-2002, <i>Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.60-1996/CGA 2.26-M96, Z21.60a-2000/CGA 2.26a-2000 and Z21.60b-2001/CGA 2.26b-2001.	Gas Products No. 1
▶ September 1, 2004	Publication of new standard ASME B16.44-2002, <i>Manually Operated Metallic Gas Valves for Use in House Piping Systems</i> . This standard incorporates modifications to CSA Requirement 3.88.	Gas Products No. 6
September 1, 2004	Publication of addenda Z21.69a-2003/CSA 6.16a-2003, <i>Connectors for Movable Gas Appliances</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.69-2002/CSA 6.16-2002.	Gas Products No. 5
November 1, 2004	Publication of addenda Z21.60a-2003/CSA 2.26a-2003, <i>Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.60-2003/CSA 2.26-2003.	Gas Products No. 4



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

CAN/CSA-C22.2 No. 60601-2-50:03, 1st edition

Medical Electrical Equipment—Part 2-50: Particular Requirements for the Safety of Infant Phototherapy Equipment (Adopted IEC 60601-2-50:2000, first edition, without modification) \$95

This particular standard specifies requirements that apply to infant phototherapy equipment that, by means of visible radiation, serve to reduce bilirubin in the body of infants suffering from icterus in the first months of life.

The object of this particular standard is to establish requirements for infant phototherapy equipment that reduce the safety hazards to patients and operators as much as possible and to specify tests for demonstrating compliance with these requirements.

CAN/CSA-M5007-03, 2nd edition

Agricultural Wheeled Tractors—Operator’s Seat—Laboratory Measurement of Transmitted Vibration (Adopted ISO 5007:2003, second edition, without modification). This document is available in Portable Document Format (PDF) only \$80

This standard specifies, in accordance with ISO 10326-1, a laboratory method for measuring and evaluating the effectiveness of the suspension of operator seats on agricultural wheeled tractors. It also specifies acceptance criteria based on the test results, while defining the input spectral classes relating to three classes of agricultural tractor with rubber tires, up sprung rear axles and no low-frequency cab isolation — those up to 3 600 kg (class 1), those from 3 600 kg to 6 500 kg (class 2), and those over 6 500 kg (class 3) — each of which defines a group of machines having similar vibration characteristics.

The method tests the effectiveness of the seat suspension in reducing the vertical whole-body vibration transmitted to the operator at frequencies from 1 Hz to 20 Hz. It does not apply to vibration reaching the operator other than through the seat (e.g., vibration sensed by the operator’s feet on the platform or control pedals or by the operator’s hands on the steering wheel).

Z314.7-03, 4th edition

Steam Sterilizers for Health Care Facilities \$75

This standard applies to the following:

- steam sterilizers that have a chamber volume of 42.5 L (1.5 ft³) or greater, and are intended for use in health care facilities
- emergency (flash) sterilizers
- washer-disinfectors (when used in sterilizer mode).

This standard specifies minimum construction and performance requirements for sterilizers to ensure that:

- the conditions required for sterilization are achieved
- the personnel who operate the equipment can perform their tasks safely



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

CAN/CSA-Z731-03, 3rd edition

Emergency Preparedness and Response..... \$75

This standard has been written to help industrial organizations, businesses, and other private and public bodies develop an emergency management program (EMP). It is directed primarily toward the development of effective tools and systems to support emergency preparedness and response.

The objective of this standard is to establish minimum criteria for effective emergency preparedness and response.

This standard applies to all organizations that may be affected by natural, technological, and human events that could have a detrimental impact on, among other things, the following:

- health and safety of persons in the affected areas
- health and safety of persons responding to the events
- continuity of business operations
- property, facilities, and infrastructure
- delivery of services
- environmental conditions
- economic and financial conditions
- regulatory and contractual obligations
- organizational reputation

This standard provides advice on planning, administration, training, resource utilization, auditing, and other aspects of emergency preparedness and response.

CAN/CSA-Z23328-2-03, 1st edition

Breathing System Filters for Anaesthetic and Respiratory Use—Part 2: Non-Filtration Aspects (Adopted ISO 23328-2:2002, first edition, with modification)..... \$45

This standard specifies requirements for the non-filtration aspects of breathing system filters (BSF) intended for anaesthetic and respiratory use, and addresses connection ports, leakage, resistance to flow, packaging, marking and information supplied. The test method is intended for breathing system filters used with a clinical breathing system.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

CAN/CSA-Z15189-03, 1^{re} édition

Laboratoires d'analyses de biologie médicale—Exigences particulières concernant la qualité et la compétence (norme ISO 15189:2003, première édition, adoptée avec les exigences propres au Canada)..... 125 \$

Cette norme spécifie les exigences de qualité et de compétence propres aux laboratoires d'analyses de biologie médicale.

Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)**CAN/CSA-M5007-03, 2^e édition***Tracteurs agricoles à roues–Siège du conducteur–Mesurage en laboratoire des vibrations transmises* (norme ISO 5007:2003, deuxième édition, adoptée sans modification).

Ces normes sont offertes en format PDF seulement. 80 \$

La présente Norme internationale spécifique, conformément à l'ISO 10326-1, une méthode de laboratoire de mesurage et d'évaluation de l'efficacité de la suspension des sièges du conducteur utilisés sur des tracteurs agricoles à roues. Elle spécifie également des critères d'acceptation sur la base des résultats d'essai et définit les classes de spectre d'excitation requises pour trois classes de tracteurs agricoles sur pneumatiques, à essieux arrière non suspendus et dont la cabine n'est pas isolée contre les basses fréquences, à savoir, ceux dont la masse à vide est inférieure à 3 600 kg (classe 1), comprise entre 3 600 kg et 6 500 kg (classe 2), ou supérieure à 6 500 kg (classe 3). Chaque classe définit un groupe de tracteurs ayant des caractéristiques vibratoires similaires.

La méthode évalue l'efficacité de la suspension du siège en réduisant les vibrations verticales transmises au corps entier du conducteur à des fréquences comprises entre 1 Hz et 20 Hz. Les vibrations qui atteignent le conducteur autrement que par l'intermédiaire de son siège (par exemple celles transmises à ses pieds par la plate-forme ou par les pédales de commande, ou à ses mains par le volant) ne sont pas couvertes par la présente Norme internationale.

Z94.2-02, 6^e édition*Protecteurs auditifs : performances, sélection, entretien et utilisation* 60 \$

Cette norme traite :

- des exigences de performance et d'essai des dispositifs de protection individuelle de l'ouïe
- du choix, de l'entretien et de l'utilisation des protecteurs auditifs requis pour un programme efficace de protection de l'ouïe

Cette norme vise les types suivants de protecteurs auditifs : bouchons d'oreille, serre-tête antibruit, serre-tête antibruit d'écoute et casques munis de serre-tête antibruit.

Z142-02, 4^e édition*Code régissant l'opération des presses : exigences concernant la santé, la sécurité et la protection*

95 \$

Cette norme vise la conception, la fabrication, l'installation, l'entretien et la manœuvre des presses.

Cette norme énonce toutes les exigences en matière de santé et de sécurité au travail qui s'appliquent à toutes les catégories de presses comportant un poinçon (coulisseau) et des matrices à ébaucher, découper, ébarber, étirer, poinçonner, plier, emboutir ou aux presses à joindre ou à former des pièces de métal ou autres matériaux.



Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

CAN/CSA-Z731-03, 3^e édition

Planification des mesures et interventions d'urgence..... 75 \$

Cette norme vise à aider les organismes industriels, les entreprises et les autres organismes privés et publics à élaborer un programme de gestion des sinistres (PGS). Elle est principalement axée sur l'élaboration d'outils et de systèmes efficaces servant à faciliter la planification des mesures et des interventions d'urgence.

Cette norme vise à établir les critères minimaux visant la planification des mesures et les interventions d'urgence efficaces.

Cette norme s'adresse à tous les organismes qui peuvent être frappés par un événement naturel, technologique ou humain pouvant avoir des conséquences néfastes sur :

- a) la santé et la sécurité des personnes se trouvant dans la zone affectée ;
- b) la santé et la sécurité des intervenants ;
- c) la continuité des services ;
- d) la propriété, les installations et les infrastructures ;
- e) la prestation des services ;
- f) les conditions environnementales ;
- g) les conditions économiques et financières ;
- h) les obligations réglementaires ou contractuelles ;
- i) la réputation de l'organisme.

Cette norme fournit des conseils visant la planification, l'administration, la formation, l'utilisation des ressources, la vérification et les autres volets relatifs à la planification des mesures et aux interventions d'urgence.

Amendments

CAN/CSA-B355-00

Lifts for Persons with Physical Disabilities

Revision of Clause 8.4.2 and Table 1.

CAN/CSA-Z98-01

Passenger Ropeways and Conveyors

Revision of the contents page, Clauses 3.30.1.4 and 11.16.3.4, and Table 7.

Z259.2.3-99

Descent Control Devices

Revision of Clause 7.1(d).

CAN/CSA-Z264.1-02

Spacers and Holding Chambers for Use with Metered-Dose Inhalers

Revision of the outside and inside front cover, and the title page.

CAN/CSA-Z15189-03

Medical Laboratories—Particular Requirements for Quality and Competence

(Adopted ISO 15189:2003, first edition, with Canadian deviations)

Revision of the inside front cover and the preface (dated September 2003).

Modifications publiées en français

B44-00

Code de sécurité sur les ascenseurs et monte-charge

Des modifications ont été apportées à la préface CSA, aux définitions, aux articles 2.5.1.5.3, 2.26.4.4, 2.27.3.2.1, 3.17.1, 5.2.1.24.2, 5.3, 5.3.1.8.3, 5.3.1.18.2, 5.3.1.18.4, 5.4, 5.4.2.2, 5.4.4.1.4, 5.4.11.1, 5.4.15.3, 5.4.15.5.1, 5.4.16, 5.5, 6.1.6.9.2, 6.1.7.4.3, 6.2.6.8.2, 6.2.7.4.3, 8.3.8, 8.6.1.2.1, 8.6.1.2.2, 8.7.2.28, 8.7.3.31.8, 8.10.2.2.2, 8.10.4.1.2, 8.11.3.2.3, 9.1 et 9.2, aux figures G1 et G2, et à l'appendice L. Les articles 5.4.4.1.4, 8.6.5.12, 8.7.2.27.7, 8.7.3.31.10, et 8.11.4.2.21 ont été ajoutés. Les articles c2.12.4.1, c4.1.2.4, 5.4.15.3.1, 5.4.15.3.2, c5.4.15.3.3, c5.4.15.5.1, c5.4.15.5.4, 5.4.16.1, 5.4.16.2, et 8.7.2.14.5 ont été abrogés.

CAN/CSA-B355-00

Appareils élévateurs pour personnes handicapées

Des modifications ont été apportées à l'article 8.4.2 et au tableau 1.

CAN/CSA-Z98-01

Remontées mécaniques et convoyeurs

Des modifications ont été apportées aux articles 3.30.1.4 et 11.16.3.4, ainsi qu'au tableau 7.

Z259.2.3-99

Dispositifs descenseurs

Des modifications ont été apportées à l'article 7.1 d).

CAN/CSA-Z264.1-02

Tubes espaceurs et chambres d'inhalation pour les aérosols-doseurs

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

Reaffirmed Standards

CAN/CSA-Z796-98 (R2003)

Accident Information

Withdrawn Standards

Z168.11-94 (R2001)

Vacuum Devices Used for Suction and Drainage

Z316.3-95 (R2002)

Biological Containment Cabinets (Class I And II): Installation And Field Testing

CAN/CSA-Z7228-94 (R1999)

Tracheal Tube Connectors (Adopted ISO 7228:1993)



Under Development

Notice of Intent

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

- **B44, 10th edition**
Safety Code for Elevators

For more information about the proposed development of the following new project, contact George Schidowka at 416-747-2743 or george.schidowka@csa.ca:

- **Z318, 1st edition**
Commissioning of Health Care Facilities

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

- **Z7396.1, 1st edition**
Medical Gas Pipeline Systems—Part 1: Pipelines for Compressed Medical Gases and Vacuum
- **Z23328-1, 1st edition**
Breathing System Filters for Anaesthetic and Respiratory Use—Part 1: Salt Test Method to Assess Filtration Performance

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

- **ASAE S525-1.2 2003 (to be published as CSA standard M676)**
Agricultural Cabs—Environmental Air Quality—Part 1: Definitions, Test Methods, and Safety Practices
- **ISO/DIS 5673-1 (to be published as CSA standard M5673.1)**
Agricultural Tractors and Machinery—Power Take-Off Drive Shafts and Power-Input Connection—Part 1: Specifications, Manufacturing and Safety
- **ISO/DIS 5673-2 (to be published as CSA standard M5673.2)**
Agricultural Tractors and Machinery—Power Take-Off Drive Shafts and Power-Input Connection—Part 2: Specifications of PTO Drive Shaft, and PIC Position and Clearance for Attachments
- **Z94.3.1, 2nd edition**
Protective Eyewear: A User's Guide

Drafts For Public Review

Please note: Public comments about the draft standards, proposed amendments, proposed adoptions and proposed endorsements listed in this issue are due by February 18, 2004.

Draft Standards

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

- **B52, 10th edition**
Mechanical Refrigeration Code

Proposed Amendments

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

- **Z98S2**
Supplement No. 2 to CAN/CSA-Z98-01, “Passenger Ropeways”
Proposed revision of various clauses, and supplemental information.

Proposed Reaffirmation of Standards

For more information about the proposed reaffirmation of the following standard, contact Kevin MacKenzie at 416-747-2496 or kevin.mackenzie@csa.ca:

- **CAN/CSA-D113.2-M89**
Cycling Helmets

Proposed Withdrawal of Standards

For more information about the proposed withdrawal of the following standard, contact Nancy Bestic at 416-747-2410 or nancy.bestic@csa.ca:

- **CAN/CSA-ISO 15225-01**
Nomenclature–Specification for a Nomenclature System for Medical Devices for the Purpose of Regulatory Data Exchange (Adopted ISO 15225:2000, first edition, without modification)



Certification and Testing (CSA International)

Certification Notices

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

Effective Date	Subject	Title
January 1, 2005	Publication of the second edition of CAN/CSA-C22.2 No. 60601 Part 2 series standards. These Part 2 standards contain particular requirements that amend and supplement CAN/CSA-C22.2 No. 60601-1-1:02, <i>Medical Electrical Equipment Part 1: General Standard</i> .	Health Care Equipment No. 14



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

CAN/CSA-ISO/TR 10017:03, 2nd edition

Guidance on Statistical Techniques for ISO 9001:2000 (Adopted Technical Report ISO/TR 10017:2003, second edition, without modification) \$100

The purpose of this technical report is to assist an organization in identifying statistical techniques that can be useful in developing, implementing, maintaining and improving a quality management system in compliance with the requirements of ISO 9001:2000.

This technical report is intended to guide and assist an organization in considering and selecting statistical techniques appropriate to the needs of the organization. The criteria for determining the need for statistical techniques, and the appropriateness of the technique(s) selected, remain the prerogative of the organization.

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 February 18, 2004.

Proposed Adoption

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

- **ISO/TR 10014:200x**

Quality Management Systems—Guidelines for Achieving Financial and Economic Benefits



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