



**CANADIAN STANDARDS  
ASSOCIATION**

# **INFO UPDATE**

**Volume 7 — November 2007**

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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.

*Visit our web site at [www.csa.ca](http://www.csa.ca) and  
find out just how convenient  
and efficient it is to access  
all the latest information.*

## About this publication

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*Info Update* is published by the Canadian Standards Association (CSA) eight times a year. It contains important information about new and existing standards, e.g., recently published standards, and withdrawn standards. 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/PleaseIdentifyYourself.asp?Language=EN>.

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

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## What you'll find

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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 <http://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 <http://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 <http://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 <http://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](mailto:gic@ihscanada.ca); Web site <http://www.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**

The *Under Development* section formerly published in *Info Update* is now available directly on the CSA website. This enhancement allows us to provide you with these important notifications on a more timely basis. To visit the new "Current Standards Activities" page, go to: <http://standardsactivities.csa.ca/standardsactivities/default.asp?language=en>.

## **Certification and Testing (CSA International)**

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

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

### ▼ Certification Notices

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

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



## Communications/Information

### [CAN/CSA-ISO/IEC 7812-1:07, 2nd edition](#)

*Identification cards — Identification of issuers — Part 1: Numbering system*  
(Adopted ISO/IEC 7812-1:2006)

### [CAN/CSA-ISO/IEC 7813:07, 3rd edition](#)

*Information technology — Identification cards — Financial transaction cards*  
(Adopted ISO/IEC 7813:2006)

### [CAN/CSA-ISO/IEC 7816-3:07, 2nd edition](#)

*Identification cards — Integrated circuit cards — Part 3: Cards with contacts — Electrical interface and transmission protocols* (Adopted ISO/IEC 7816-3:2006)

### [CAN/CSA-ISO/IEC 9973:07, 2nd edition](#)

*Information technology — Computer graphics, image processing and environmental data representation — Procedures for registration of items* (Adopted ISO/IEC 9973:2006)

### [CAN/CSA-ISO/IEC 10116:07, 3rd edition](#)

*Information technology — Security techniques — Modes of operation for an n-bit block cipher* (Adopted ISO/IEC 10116:2006)

### [CAN/CSA-ISO/IEC 13249-1:07, 3rd edition](#)

*Information technology — Database languages — SQL multimedia and application packages — Part 1: Framework* (Adopted ISO/IEC 13249-1:2007)

### [CAN/CSA-ISO/IEC 14143-1:07, 2nd edition](#)

*Information technology — Software measurement — Functional size measurement — Part 1: Definition of concepts* (Adopted ISO/IEC 14143-1:2007)

### [CAN/CSA-ISO/IEC 14496-16:07, 2nd edition](#)

*Information technology — Coding of audio-visual objects — Part 16: Animation Framework eXtension (AFX)* (Adopted ISO/IEC 14496-16:2006)

### [CAN/CSA-ISO/IEC 14776-412:07, 1st edition](#)

*Information technology — Small computer system interface (SCSI) — Part 412: Architecture model-2 (SAM-2)* (Adopted ISO/IEC 14776-412:2006)

### [CAN/CSA-ISO/IEC 16022:07, 2nd edition](#)

*Information technology — Automatic identification and data capture techniques — Data Matrix bar code symbology specification* (Adopted ISO/IEC 16022:2006)

### [CAN/CSA-ISO/IEC 18004:07, 2nd edition](#)

*Information technology — Automatic identification and data capture techniques — QR Code 2005 bar code symbology specification* (Adopted ISO/IEC 18004:2006)

## Communications/Information (cont'd)

[CAN/CSA-ISO/IEC 23270:07, 2nd edition](#)

*Information technology — Programming languages — C#* (Adopted ISO/IEC 23270:2006)

[CAN/CSA-ISO/IEC 23271:07, 2nd edition](#)

*Information Technology — Common Language Infrastructure (CLI) — Partitions I to VI* (Adopted ISO/IEC 23271:2006)

[CAN/CSA-ISO/IEC TR 23272:07, 2nd edition](#)

*Information technology — Common Language Infrastructure (CLI) — Technical Report on Information Derived from Partition IV XML File* (Adopted ISO/IEC TR 23272:2006)



## Informatique et télécommunications

[CAN/CSA-ISO/CEI 8824-1:04, 3<sup>e</sup> édition](#)

*Technologies de l'information — Notation de syntaxe abstraite numéro un (ASN.1): Spécification de la notation de base* (norme ISO/CEI 8824-1:2002 adoptée)

[CAN/CSA-ISO/CEI 8824-2:04, 3<sup>e</sup> édition](#)

*Technologies de l'information — Notation de syntaxe abstraite numéro un (ASN.1): Spécification des objets informationnels* (norme ISO/CEI 8824-2:2002 adoptée)

[CAN/CSA-ISO/CEI 8825-5:05, 1<sup>re</sup> édition](#)

*Technologies de l'information — Règles de codage ASN.1: Mappage en ASN.1 des définitions de schéma XML du W3C* (norme ISO/CEI 8825-5:2004 adoptée)

[CAN/CSA-ISO/CEI 9995-2:04, 1<sup>re</sup> édition](#)

*Technologies de l'information — Disposition des claviers conçus pour la bureautique — Partie 2: Module alphanumérique* (norme ISO/CEI 9995-2:2002 adoptée)

[CAN/CSA-ISO/CEI 9995-3:04, 1<sup>re</sup> édition](#)

*Technologies de l'information — Disposition des claviers conçus pour la bureautique — Partie 3: Dispositions complémentaires de la zone alphanumérique du module alphanumérique* (norme ISO/CEI 9995-3:2002 adoptée)

[CAN/CSA-ISO/CEI 9995-4:04, 1<sup>re</sup> édition](#)

*Technologies de l'information — Disposition des claviers conçus pour la bureautique — Partie 4: Module numérique* (norme ISO/CEI 9995-4:2002 adoptée)



## Construction Products and Materials

[G401-07, 4th edition](#)

*Corrugated Steel Pipe Products*

[CAN/CSA-ISO 19903:07, 1st edition](#)

*Petroleum and natural gas industries — Fixed concrete offshore structures* (Adopted ISO 19903:2006, first edition, without modification)



## Electrical/Electronics

[C22.2 No. 41-07, 5th edition](#)

*Grounding and Bonding Equipment* (bi-national standard with UL 467, ninth edition)

[C22.2 No. 131-07, 4th edition](#)

*Type TECK 90 Cable*



## Énergie

[C749-07, 2<sup>e</sup> édition](#)

*Performances des déshumidificateurs*

[Série N285.6-05, 2<sup>e</sup> édition](#)

*Normes sur les matériaux des composants de réacteurs des centrales nucléaires CANDU*



## Life Sciences

[CAN/CSA-M789-10-07, 2nd edition](#)

*Agricultural tractors — Test procedures — Part 10: Hydraulic power at tractor/implement interface* (Adopted ISO/OECD 789-10:2006, first edition, without modification)

[CAN/CSA-M4254-1-07, 2nd edition](#)

*Agricultural machinery — Safety — Part 1: General requirements* (Adopted ISO 4254-1:2005, third edition, without modification)

[Z94.3-07, 7th edition](#)

*Eye and Face Protectors*



## Sciences de la Vie

[CAN/CSA-M4254-1-07, 2<sup>e</sup> édition](#)

*Matériel agricole — Sécurité — Partie 1: Exigences générales* (norme ISO 4254-1:2005, troisième édition, adoptée sans modification)





## **Completed Projects / Projets terminés**

### **New Standards – New Editions – Special Publications**

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

**CAN/CSA-ISO/IEC 7812-1:07, 2nd edition**

*Identification cards — Identification of issuers — Part 1: Numbering system*  
(Adopted ISO/IEC 7812-1:2006) ..... \$60

**CAN/CSA-ISO/IEC 7813:07, 3rd edition**

*Information technology — Identification cards — Financial transaction cards*  
(Adopted ISO/IEC 7813:2006) ..... \$60

**CAN/CSA-ISO/IEC 7816-3:07, 2nd edition**

*Identification cards — Integrated circuit cards — Part 3: Cards with contacts —  
Electrical interface and transmission protocols* (Adopted ISO/IEC 7816-3:2006) ..... \$160

**CAN/CSA-ISO/IEC 9973:07, 2nd edition**

*Information technology — Computer graphics, image processing and environmental data  
representation — Procedures for registration of items* (Adopted ISO/IEC 9973:2006) ..... \$140

**CAN/CSA-ISO/IEC 10116:07, 3rd edition**

*Information technology — Security techniques — Modes of operation for an n-bit  
block cipher* (Adopted ISO/IEC 10116:2006) ..... \$140

**CAN/CSA-ISO/IEC 13249-1:07, 3rd edition**

*Information technology — Database languages — SQL multimedia and  
application packages — Part 1: Framework* (Adopted ISO/IEC 13249-1:2007) ..... \$90

**CAN/CSA-ISO/IEC 14143-1:07, 2nd edition**

*Information technology — Software measurement — Functional size measurement —  
Part 1: Definition of concepts* (Adopted ISO/IEC 14143-1:2007) ..... \$55

**CAN/CSA-ISO/IEC 14496-16:07, 2nd edition**

*Information technology — Coding of audio-visual objects — Part 16: Animation  
Framework eXtension (AFX)* (Adopted ISO/IEC 14496-16:2006) ..... \$270

**CAN/CSA-ISO/IEC 14776-412:07, 1st edition**

*Information technology — Small computer system interface (SCSI) — Part 412:  
Architecture model-2 (SAM-2)* (Adopted ISO/IEC 14776-412:2006) ..... \$210

**New Standards – New Editions – Special Publications (cont'd)****CAN/CSA-ISO/IEC 16022:07, 2nd edition**

*Information technology — Automatic identification and data capture techniques — Data Matrix bar code symbology specification* (Adopted ISO/IEC 16022:2006) ..... \$240

**CAN/CSA-ISO/IEC 18004:07, 2nd edition**

*Information technology — Automatic identification and data capture techniques — QR Code 2005 bar code symbology specification* (Adopted ISO/IEC 18004:2006) ..... \$220

**CAN/CSA-ISO/IEC 23270:07, 2nd edition**

*Information technology — Programming languages — C#*  
(Adopted ISO/IEC 23270:2006) ..... \$360

**CAN/CSA-ISO/IEC 23271:07, 2nd edition**

*Information Technology — Common Language Infrastructure (CLI) — Partitions I to VI* (Adopted ISO/IEC 23271:2006) ..... \$375

**CAN/CSA-ISO/IEC TR 23272:07, 2nd edition**

*Information technology — Common Language Infrastructure (CLI) — Technical Report on Information Derived from Partition IV XML File* (Adopted ISO/IEC TR 23272:2006) .... \$40

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

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

**CAN/CSA-ISO/CEI 8824-1:04, 3<sup>e</sup> édition**

*Technologies de l'information — Notation de syntaxe abstraite numéro un (ASN.1): Spécification de la notation de base* (norme ISO/CEI 8824-1:2002 adoptée) ..... 215 \$

**CAN/CSA-ISO/CEI 8824-2:04, 3<sup>e</sup> édition**

*Technologies de l'information — Notation de syntaxe abstraite numéro un (ASN.1): Spécification des objets informationnels* (norme ISO/CEI 8824-2:2002 adoptée) ..... 120 \$

**CAN/CSA-ISO/CEI 8825-5:05, 1<sup>re</sup> édition**

*Technologies de l'information — Règles de codage ASN.1: Mappage en ASN.1 des définitions de schéma XML du W3C* (norme ISO/CEI 8825-5:2004 adoptée) ..... 155 \$

**CAN/CSA-ISO/CEI 9995-2:04, 1<sup>re</sup> édition**

*Technologies de l'information — Disposition des claviers conçus pour la bureautique — Partie 2: Module alphanumérique* (norme ISO/CEI 9995-2:2002 adoptée) ..... 65 \$

**CAN/CSA-ISO/CEI 9995-3:04, 1<sup>re</sup> édition**

*Technologies de l'information — Disposition des claviers conçus pour la bureautique — Partie 3: Dispositions complémentaires de la zone alphanumérique du module alphanumérique* (norme ISO/CEI 9995-3:2002 adoptée) ..... 55 \$

**Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)**

**CAN/CSA-ISO/CEI 9995-4:04, 1<sup>re</sup> édition**

*Technologies de l'information — Disposition des claviers conçus pour la bureautique — Partie 4: Module numérique* (norme ISO/CEI 9995-4:2002 adoptée) ..... 75 \$

**Amendments**

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

**CAN/CSA-ISO/IEC 8824-1:04 TC 1**

*Technical Corrigendum 1:2007 to CAN/CSA-ISO/IEC 8824-1:04, "Information technology — Abstract Syntax Notation One (ASN.1): Specification of basic notation"* (Adopted Technical Corrigendum 1:2006 to ISO/IEC 8824-1:2002). This document is available only with the purchase of the standard. It is not available as a separate document.

**CAN/CSA-ISO/IEC 8824-1C:2007**

*Amendment 3:2007, "Time type support", to CAN/CSA-ISO/IEC-8824-1:04, "Information technology — Abstract Syntax Notation One (ASN.1): Specification of basic notation"* (Adopted Amendment 3:2006 to ISO/IEC 8824-1:2002) ..... \$135

**CAN/CSA-ISO/IEC 8824-2:04 TC 1**

*Technical Corrigendum 1:2007 to CAN/CSA-ISO/IEC 8824-2:04, "Information technology — Abstract Syntax Notation One (ASN.1): Information object specification"* (Adopted Technical Corrigendum 1:2006 to ISO/IEC 8824-2:2002). This document is available only with the purchase of the standard. It is not available as a separate document.

**CAN/CSA-ISO/IEC 8825-5:04 TC 1**

*Technical Corrigendum 1:2007 to CAN/CSA-ISO/IEC 8824-2:04, "Information technology — Abstract Syntax Notation One (ASN.1): Information object specification"* (Adopted Technical Corrigendum 1:2006 to ISO/IEC 8824-2:2002). This document is available only with the purchase of the standard. It is not available as a separate document.

**CAN/CSA-ISO/IEC 10118-3A:04**

*Amendment 1:2007, "Dedicated Hash-Function 8 (SHA-224)", to CAN/CSA-ISO/IEC-10118-3:04, "Information technology — Security techniques — Hash-functions — Part 3: Dedicated hash-functions"* (Adopted Amendment 1:2006 to ISO/IEC 10118-3:2004) ..... \$20

**CAN/CSA-ISO/IEC 10373-6C:02**

*Amendment 3:2007, "Protocol test methods for proximity coupling devices", to CAN/CSA-ISO/IEC-10373-6:02, "Identification cards — Test methods — Part 6: Proximity cards"* (Adopted Amendment 3:2006 to ISO/IEC 10373-6:2001) ..... \$170



**Amendments (cont'd)**

**CAN/CSA-ISO/IEC 10373-6D:02**

*Amendment 4:2007, “Additional test methods for PCD RF interface and PICC alternating field exposure”, to CAN/CSA-ISO/IEC-10373-6:02, “Identification cards — Test methods — Part 6: Proximity cards” (Adopted Amendment 4:2006 to ISO/IEC 10373-6:2001)..... \$20*

**CAN/CSA-ISO/IEC 14496-1B:05**

*Amendment 2:2007, “3D compression profile and level indication”, to CAN/CSA-ISO/IEC-14496-1:05, “Information technology — Coding of audio-visual objects — Part 1: Systems” (Adopted Amendment 2:2007 to ISO/IEC 14496-1:2004)..... \$20*

**CAN/CSA-ISO/IEC 14496-3A:06**

*Amendment 1:2007, “Low delay AAC profile”, to CAN/CSA-ISO/IEC-14496-3:06, “Information technology — Coding of audio-visual objects — Part 3: Audio” (Adopted Amendment 1:2007 to ISO/IEC 14496-3:2005) ..... \$20*

**CAN/CSA-ISO/IEC 14496-4M:06**

*Amendment 13:2007, “Parametric coding for high quality audio conformance”, to CAN/CSA-ISO/IEC-14496-4:06, “Information technology — Coding of audio-visual objects — Part 4: Conformance testing” (Adopted Amendment 13:2007 to ISO/IEC 14496-4:2004)..... \$115*

**CAN/CSA-ISO/IEC 14496-5J:06**

*Amendment 10:2007, “SSC, DST, ALS and SLS reference software”, to CAN/CSA-ISO/IEC-14496-5:06, “Information technology — Coding of audio-visual objects — Part 5: Reference software” (Adopted Amendment 10:2007 to ISO/IEC 14496-5:2001)... \$20*

**CAN/CSA-ISO/IEC 14496-12A:06**

*Amendment 1:2007, “Support for timed metadata, non-square pixels and improved sample groups”, to CAN/CSA-ISO/IEC-14496-12:06, “Information technology — Coding of audio-visual objects — Part 12: ISO base media file format” (Adopted Amendment 1:2007 to ISO/IEC 14496-12:2005) ..... \$20*

**CAN/CSA-ISO/IEC 14496-15A:05**

*Amendment 1:2007, “Support for FRExt”, to CAN/CSA-ISO/IEC 14496-15:05, “Information technology — Coding of audio-visual objects — Part 15: Advanced Video Coding (AVC) file format” (Adopted Amendment 1:2006 to ISO/IEC 14496-15:2004)... \$20*

**CAN/CSA-ISO/IEC 15938-3B:04**

*Amendment 2:2007, “Perceptual 3D Shape Descriptor”, to CAN/CSA-ISO/IEC 15938-3:04, “Information technology — Multimedia content description interface — Part 3: Visual” (Adopted Amendment 2:2006 to ISO/IEC 15938-3:2002) ..... \$20*

**CAN/CSA-ISO/IEC 15938-4B:04**

*Amendment 2:2007, “High-level descriptors”, to CAN/CSA-ISO/IEC 15938-4:04, “Information technology — Multimedia content description interface — Part 4: Audio” (Adopted Amendment 2:2006 to ISO/IEC 15938-4:2002) ..... \$195*

**Amendments (cont'd)**

**CAN/CSA-ISO/IEC 15938-6A:04**

*Amendment 1:2007, “Reference software extensions”, to CAN/CSA-ISO/IEC 15938-6:04, “Information technology — Multimedia content description interface — Part 6: Reference software” (Adopted Amendment 1:2006 to ISO/IEC 15938-6:2003)..... \$40*

**CAN/CSA-ISO/IEC TR 15938-8B:04**

*Amendment 2:2007, “Extraction and use of MPEG-7 perceptual 3D shape descriptor”, to CAN/CSA-ISO/IEC TR 15938-8:04, “Information technology — Multimedia content description interface — Part 8: Extraction and use of MPEG-7 descriptions” (Adopted Amendment 2:2006 to ISO/IEC TR 15938-8:2002)..... \$20*

**CAN/CSA-ISO/IEC 18000-6A:05**

*Amendment 1:2007, “Extension with Type C and update of Types A and B”, to CAN/CSA-ISO/IEC 18000-6:05, “Information technology — Radio frequency identification for item management — Part 6: Parameters for air interface communications at 860 MHz to 960 MHz” (Adopted Amendment 1:2006 to ISO/IEC 18000-6:2004)..... \$240*

**CAN/CSA-ISO/IEC 21000-3A:04**

*Amendment 1:2007, “Related identifier types”, to CAN/CSA-ISO/IEC 21000-3:04, “Information technology — Multimedia framework (MPEG-21) — Part 3: Digital Item Identification” (Adopted Amendment 1:2007 to ISO/IEC 21000-3:2003)..... \$20*

**Modifications publiées en français**

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

**CAN/CSA-ISO/CEI 8824-1:04 RT 1**

*Rectificatif technique 1:2007 à la norme CAN/CSA-ISO/CEI 8824-1:04, «Technologies de l’information — Notation de syntaxe abstraite numéro un (ASN.1): Spécification de la notation de base» (norme ISO/CEI 8824-1:2002, rectificatif technique n° 1:2007, adoptée). Ce document est offert seulement avec l’achat de la norme. Il n’est pas offert comme document distinct.*

**CAN/CSA-ISO/CEI 8824-1A:2005**

*Modification 1:2005, «Prise en charge des règles de codage XML étendues (EXTENDED-XER)», à la norme CAN/CSA-ISO/CEI 8824-1:04, «Technologies de l’information — Notation de syntaxe abstraite numéro un (ASN.1): Spécification de la notation de base» (norme ISO/CEI 8824-1:2002, amendement n° 1:2004, adoptée) .... 105 \$*



## Modifications publiées en français (suite)

### **CAN/CSA-ISO/CEI 8824-1C:2005**

*Modification 3:2005, «Prise en charge du type temps», à la norme CAN/CSA-ISO/CEI 8824-1:04, «Technologies de l'information — Notation de syntaxe abstraite numéro un (ASN.1): Spécification de la notation de base» (norme ISO/CEI 8824-1:2002, amendement n° 3:2006, adoptée) ..... 135 \$*

### **CAN/CSA-ISO/CEI 8824-2:04 RT 1**

*Rectificatif technique 1:2007 à la norme CAN/CSA-ISO/CEI 8824-2:04, «Technologies de l'information — Notation de syntaxe abstraite numéro un (ASN.1): Spécification des objets informationnels» (norme ISO/CEI 8824-2:2002, rectificatif technique n° 1:2007, adoptée). Ce document est offert seulement avec l'achat de la norme. Il n'est pas offert comme document distinct.*

### **CAN/CSA-ISO/CEI 8824-2A:2005**

*Modification 1:2005, «Support pour règles de codage XML étendues (EXTENDED-XER)», à la norme CAN/CSA-ISO/CEI 8824-2:04, «Technologies de l'information — Notation de syntaxe abstraite numéro un (ASN.1): Spécification des objets informationnels» (norme ISO/CEI 8824-2:2002, amendement n° 1:2004, adoptée)..... 15 \$*

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## Reaffirmed Standards

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### **CAN/CSA-Z243.4.1-98 (R2007)**

*Canadian Alphanumeric Ordering Standard*

### **CAN/CSA-Z243.230-98 (R2007)**

*Minimum Canadian Software Localization Conventions*

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## Withdrawn Standards

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### **CAN/CSA-ISO/IEC 9979:02**

*Information technology — Security techniques — Procedures for the registration of cryptographic algorithms (Adopted ISO/IEC 9979:1999)*



## Completed Projects / Projets terminés

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### New Standards – New Editions – Special Publications

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#### **G401-07, 4th edition**

*Corrugated Steel Pipe Products* ..... \$65

This standard specifies material and fabrication requirements for corrugated steel pipe, spiral rib pipe, and structural plate corrugated steel pipe products.

This standard applies to the use of corrugated steel pipe, spiral rib pipe, and structural plate corrugated steel pipe for applications such as culverts, storm sewers, sanitary sewers, subdrains, ground recharge systems, well casings, underpasses, stream enclosures, shelters, and tunnels.

#### **CAN/CSA-ISO 19903:07, 1st edition**

*Petroleum and natural gas industries — Fixed concrete offshore structures*  
(Adopted ISO 19903:2006, first edition, without modification) ..... \$200

This standard specifies requirements and provides recommendations that apply to fixed concrete offshore structures for the petroleum and natural gas industries, and specifically addresses the following:

- the design, construction, transportation, and installation of new structures, including requirements for in-service inspection and possible removal of structures
- the assessment of structures in service
- the assessment of structures for re-use at other locations.

This standard covers the engineering processes needed for the major engineering disciplines to establish a facility for offshore operation. It can also be used for the design of floating concrete structures and for arctic structures.

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

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### Amendments

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#### **A283-06**

*Qualification Code for Concrete Testing Laboratories*

Revision of Clause 6.4 and Table 1.

#### **CAN/CSA-A371-04**

*Masonry Construction for Buildings*

Revision of Clause 10.2.1.



## Amendments (cont'd)

### **B1800-06**

*Thermoplastic Nonpressure Piping Compendium*

Deletion of B182.7-06, *PSM Type Multilayer Polyvinylchloride (PVC) Sewer Pipe Having Reprocessed-Recycled Content*, from the series.

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## Modifications publiées en français

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### **CAN/CSA-A371-04**

*Maçonnerie des bâtiments*

Des modifications ont été apportées à l'article 10.2.1.

### **B1800-06**

*Recueil de normes sur les tuyaux thermoplastiques sans pression*

La B182.7-06, *Tuyaux d'égout multicouches en poly(chlorure de vinyle) (PVC) de type PSM à base de matière recyclée et remise en œuvre*, a été abrogée de la série de normes.

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## Reaffirmed Standards

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### **O80 Series-97 (R2007)**

*Wood Preservation*

(This series consists of O80.0, O80.M1, O80.1, O80.2, O80.3, O80.M3, O80.4, O80.5, O80.6, O80.7, O80.8, O80.9, O80.10, O80.11, O80.14, O80.15, O80.16, O80.18, O80.20, O80.25, O80.26, O80.27, O80.28, O80.29, O80.32, O80.34, O80.201, O80.202, O80.203, O80.204, O80.205, O80.206.)

### **O322-02 (R2007)**

*Procedure for Certification of Pressure-Treated Wood Materials for Use in Preserved Wood Foundations*



## ***Certification and Testing (CSA International)***

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### **Certification Notices**

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

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
December 1, 2007	Revisions to class descriptions affecting the use of the CSA Drinking Water Mark.	Plumbing Products No. 176
April 1, 2008	Publication of CSA Components Acceptance Policy for non-CSA-certified non-electrical components for use in CSA-certified recreational vehicles, park model trailers, mobile homes, and modular homes.	Building Products No. 14 / Recreational Vehicles No. 28



## Completed Projects / Projets terminés

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### New Standards – New Editions – Special Publications

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#### **C22.2 No. 41-07, 5th edition**

*Grounding and Bonding Equipment* (bi-national standard with UL 467, ninth edition)..... \$200

This standard applies to grounding and bonding equipment for use in accordance with the *Canadian Electrical Code, Part I* (C22.1), and the *National Electrical Code* (NFPA 70).

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

#### **C22.2 No. 131-07, 4th edition**

*Type TECK 90 Cable*..... \$80

This standard applies to single- and multi-conductor Type TECK 90 armoured cable intended for installation in accordance with the Rules of the *Canadian Electrical Code, Part I*, on systems having nominal voltages of 5000 V and less and having a maximum temperature rating of 90 °C in both dry and wet locations.

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

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### Amendments

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#### **C22.2 No. 42-99 (R2004)**

*General Use Receptacles, Attachment Plugs, and Similar Wiring Devices*

Revision of Clause 4.1.2.6.

#### **C22.2 No. 51-95 (R2004)**

*Armoured Cables*

Revision of Clauses 2.2.1, 3.1.7, 4.1.2, and 5.5.2.1.1.

#### **C22.2 No. 52-96 (R2005)**

*Underground Service Entrance Cables*

Revision of the Contents, Clauses 1.2, 2.1, 3.2, 4.1.1.1, 4.1.3.3, 4.1.3.4, 4.1.4, 4.1.5, and 6.2, and Table 7. Addition of Clauses 4.1.3.5– 4.1.3.8 and 4.1.6 and Tables 8–12.



## Amendments (cont'd)

### **C22.2 No. 96-03**

#### *Portable Power Cables*

Revision of the Contents, Clauses 1.4, 2, 4.3.5.2, 4.3.5.3, 4.3.5.5.3, 4.4.1, 4.5.4.1, 4.5.10.1, 4.5.11, 5.2.1, 6.3.1, 8.3.1, 9.4.2, 10.4.1, 10.4.2, 11.2.5, 11.3.1, 11.3.2, and 11.4.7, and Tables 4, 4A, 5, 26, 27, and 29. Addition of Clauses 11.2.3.4, 11.2.3.5, and 12, and Tables 9A, 32, 33, 34, and 35.

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

### **CAN/CSA-C22.2 No. 112-97 (R2007)**

#### *Electric Clothes Dryers*

Revision of the Title page, the Copyright page, the Preface, Clause 7.3.2, and Appendix B. Addition of Clause 7.3.2A. Deletion of the UL Foreword.

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## Modifications publiées en français

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### **CAN/CSA-C22.2 n° 112-97 (R2007)**

#### *Sécheuses électriques*

Des modifications ont été apportées à la page titre, à la préface, à l'article 7.3.2 et à l'appendice B. L'article 7.3.2A a été ajouté. L'avant-propos (UL) a été abrogé.

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## Reaffirmed Standards

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### **C22.2 No. 30-M1986 (R2007)**

#### *Explosion-Proof Enclosures for Use in Class 1 Hazardous Locations*

### **CAN/CSA-C22.2 No. 126.1-02 (R2007)**

#### *Metal Cable Tray Systems* (bi-national standard with NEMA VE 1-2002, fourth edition)

### **CAN/CSA-C22.2 No. 126.2-02 (R2007)**

#### *Nonmetallic Cable Tray Systems* (bi-national standard with UL 568, first edition)

### **C22.2 No. 211.3-96 (R2007)**

#### *Reinforced Thermosetting Resin Conduit (RTRC) and Fittings* (bi-national standard with UL 1684, second edition)

### **CAN/CSA-E155-98 (R2007)**

#### *Glow-starters for fluorescent lamps* (Adopted CEI/IEC 155:1993, fourth edition, including Amendment 1:1995, without modification)

### **CAN/CSA-E432-1-98 (R2007)**

#### *Safety specifications for incandescent lamps — Part 1: Tungsten filament lamps for domestic and similar general lighting purposes* (Adopted CEI/IEC 432-1:1993, first edition, including Amendments 1:1995 and 2:1997, with Canadian deviations)



## Reaffirmed Standards (cont'd)

### **CAN/CSA-E432-2-98 (R2007)**

*Safety specifications for incandescent lamps — Part 2: Tungsten halogen lamps for domestic and similar general lighting purposes* (Adopted CEI/IEC 432-2:1994, first edition, including Amendments 1:1996 and 2:1997, with Canadian deviations)

### **CAN/CSA-E598-2-9-98 (R2007)**

*Luminaires — Part 2: Particular requirements — Section Nine — Photo and film luminaires (non-professional)* (Adopted CEI/IEC 598-2-9: 1987, second edition, including Amendment 1:1993, with Canadian deviations)

### **CAN/CSA-E920-98 (R2007)**

*Ballasts for tubular fluorescent lamps — General and safety requirements* (Adopted CEI/IEC 920:1990, first edition including Amendments 1:1993 and 2:1995, with Canadian deviations)

### **CAN/CSA-E922-98 (R2007)**

*Ballasts for discharge lamps (excluding tubular fluorescent lamps)* (Adopted CEI/IEC 922:1989, first edition, including Amendments 1:1990 and 2:1992, with Canadian deviations)

### **CAN/CSA-E926-98 (R2007)**

*Auxiliaries for lamps — Starting devices (other than glow starters) — General and safety requirements* (Adopted CEI/IEC 926: 1995, second edition, with Canadian deviations)

### **CAN/CSA-E928-98 (R2007)**

*Auxiliaries for lamps — A.C. supplied electronic ballasts for tubular fluorescent lamps — General and safety requirements* (Adopted CEI/IEC 928:1995, second edition, with Canadian deviations)

### **CAN/CSA-E60127-6:03 (R2007)**

*Miniature fuses — Part 6: Fuse-holders for miniature cartridge fuse-links* (Adopted CEI/IEC 127-6:1994, first edition, including Amendment 1:1996, with Canadian deviations)

### **CAN/CSA-E60335-1/4E:03 (R2007)**

*Household and similar electrical appliances — Safety — Part 1: General requirements* (Adopted CEI/IEC 60335-1:2001, fourth edition, with Canadian deviations)

### **CAN/CSA-E60384-1:03 (R2007)**

*Fixed capacitors for use in electronic equipment — Part 1: Generic specification* (Adopted CEI/IEC 60384-1:1999, third edition, with Canadian deviations)

### **CAN/CSA-E60598-1:02 (R2007)**

*Luminaires — Part 1: General requirements and tests* (Adopted 60598-1:1996, fifth edition, including Amendments 1:1998 and 2:1999, with Canadian deviations)

### **CAN/CSA-E60598-2-3-98 (R2007)**

*Luminaires — Part 2: Particular requirements Section three: Luminaires for road and street lighting* (Adopted CEI/IEC 598-2-3:1993, second edition, including Amendment 1:1997, with Canadian deviations)



## **Reaffirmed Standards (cont'd)**

### **CAN/CSA-E60598-2-4-98 (R2007)**

*Luminaires — Part 2: Particular requirements Section 4: Portable general purpose luminaires*  
(Adopted CEI/IEC 598-2-4:1997, second edition, with Canadian deviations)

### **CAN/CSA-E60825-1:03 (R2007)**

*Safety of laser products — Part 1: Equipment classification, requirements and user's guide*  
(Adopted IEC 60825-1:1993, edition 1.2, including Amendments 1:1997 and 2:2001, with Canadian deviations)

### **CAN/CSA-E61558-1:03 (R2007)**

*Safety of power transformers, power supply units and similar — Part 1: General requirements and tests* (Adopted 61558-1:1997, edition 1.1, including Amendment 1:1998, with Canadian deviations)

### **CAN/CSA-E61558-2-1:03 (R2007)**

*Safety of power transformers, power supply units and similar — Part 2: Particular requirements for separating transformers for general use* (Adopted 61558-2-1:1997, first edition, without modification)

### **CAN/CSA-E61558-2-2:03 (R2007)**

*Safety of power transformers, power supply units and similar — Part 2: Particular requirements for control transformers* (Adopted CEI/IEC 61558-2-2:1997, second edition, without modification)

### **CAN/CSA-E61558-2-4:03 (R2007)**

*Safety of power transformers, power supply units and similar — Part 2: Particular requirements for isolating transformers for general use* (Adopted CEI/IEC 61558-2-4:1997, first edition, without modification)

### **CAN/CSA-E61558-2-5:03 (R2007)**

*Safety of power transformers, power supply units and similar — Part 2: Particular requirements for shaver transformers and shaver supply units* (Adopted CEI/IEC 61558-2-5:1997, first edition, with Canadian deviations)

### **CAN/CSA-E61558-2-6:03 (R2007)**

*Safety of power transformers, power supply units and similar — Part 2: Particular requirements for safety isolating transformers for general use* (Adopted CEI/IEC 61558-2-6:1997, first edition, without modification)

### **CAN/CSA-E61558-2-13:03 (R2007)**

*Safety of power transformers, power supply units and similar — Part 2: Particular requirements for auto-transformers for general use* (Adopted CEI/IEC 61558-2-13:1999, first edition, with Canadian deviations)

### **CAN/CSA-G12-92 (R2007)**

*Zinc-Coated Steel Wire Strand*

## Reaffirmed Standards (cont'd)

CSA has reaffirmed its endorsement of the following IEC standards:

- **IEC 60455-3-1 (2003-04)**  
*Resin based reactive compounds used for electrical insulation — Part 3: Specifications for individual materials — Sheet 1: Unfilled epoxy resinous compounds*
- **IEC 60455-3-2 (2003-04)**  
*Resin based reactive compounds used for electrical insulation — Part 3: Specifications for individual materials — Sheet 2: Quartz filled epoxy resinous compounds*
- **IEC 60455-3-3 (2003-04)**  
*Resin based reactive compounds used for electrical insulation — Part 3: Specifications for individual materials — Sheet 3: Unfilled polyurethane compounds*
- **IEC 60455-3-4 (2003-04)**  
*Resin based reactive compounds used for electrical insulation — Part 3: Specifications for individual materials — Sheet 4: Filled polyurethane compounds*
- **IEC 60544-4 (2003-07)**  
*Electrical insulating materials — Determination of the effects of ionizing radiation — Part 4: Classification system for service in radiation environments*
- **IEC 60544-5 (2003-02)**  
*Electrical insulating materials — Determination of the effects of ionizing radiation — Part 5: Procedures for assessment of ageing in service*
- **IEC 60672-1 (1995)**  
*Ceramic and glass insulating materials — Part 1: Definitions and classification*

## Certification and Testing (CSA International)

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### Informs Notices

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Date	Subject	Title
September 14, 2007	Changes to CSA Certification Program Requirements for Dead-Front and Component Switches Covered in the Scope of CSA Standard C22.2 No. 4-04, Enclosed and Dead-Front Switches (tri-national standard with NMX-J-162-ANCE-2004 and UL 98-04)	Switches No. 12

**Informs Notices (cont'd)**

<b>Date</b>	<b>Subject</b>	<b>Title</b>
September 27, 2007	New service to CSA standard C22.2 No. 60947-1, <i>Low-Voltage Switchgear and Controlgear — Part 1: General rules</i> (tri-national with NMX-J-XXX-ANCE and UL 60947-1) and CSA standard C22.2 No. 60947-4-1, <i>Low-Voltage Switchgear and Controlgear — Part 4-1 Contactors and motor-starters — Electromechanical contactors and motor-starters</i> (tri-national standard with NMX-J-290-ANCE and UL 60947-4-1A)	Industrial Control Equipment No. 18 & No. 19
September 28, 2007	Publication of CSA standard C22.2 No 60950-23-07, Information technology equipment — Safety — Part 23: Large data storage equipment (bi-national standard with ANSI/UL 60950-23-07).	Information Technology Equipment and Electrical Business Equipment No. 19
September 28, 2007	Publication of CSA standard C22.2 No 60950-22-07, Information technology equipment — Safety — Part 22: Equipment to be installed outdoors (bi-national standard with ANSI/UL 60950-22-07)	Information Technology Equipment and Electrical Business Equipment No. 18
September 28, 2007	Publication of CSA standard C22.2 No. 2556-07, Wire and Cable Test Methods (tri-national standard with UL 2556 and NMX-J-556-ANCE). This notice supersedes Wire and Cable No. 121A.	Wire and Cable No. 121A
September 28, 2007	Publication of Update No. 3 to CSA Standard C22.2 No. 18.3-04, Conduit Tubing and Cable Fittings (tri-national standard with NMX-J-017-ANCE and UL514B),	Wiring Products No. 11
October 1, 2007	Publication of Update No. 3 to CSA standard C22.2 No. 42, General Use Receptacles, Attachment Plugs, and Similar Wiring Devices.	Wiring Devices No. 51
October 5, 2007	CSA International has revised its Label Service / Label License program options to permit permanently affixed, adhesive nameplates using CSA International Accepted adhesive label systems. These tested label systems are accepted in addition to the mechanically secured metal nameplates previously required. (Supplementary to Informs Switchgear Assemblies No. 3.)	Switchgear Assemblies No. 3A

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**Certification Notices**


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

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
December 1, 2007	Publication of CSA standard C22.2 No. 38-05, <i>Thermosetting Insulated Wires and Cables</i> . (Supersedes Wire and Cable No. 118.)	Wire and Cable No. 118A
January 4, 2008	Publication of Technical Information Letter No. J-36, providing interim test and marking requirements for electrical wires and cables intended for use where exposed to direct sunlight, where requirements presently do not exist in the product standard.	Wire and Cable No. 126
► March 1, 2008	Publication of Update No. 1 to CSA standard C22.2 No. 4, <i>Enclosed and Dead-Front Switches</i> (tri-national standard with NMX-J-162-ANCE-2004 and UL 98-04).	Switches No. 11
April 17, 2008 (U.S.) May 1, 2012 (Canada)	Publication of bi-national standard CSA C22.2 No. 66-06 Series and UL 5085 Series, <i>Low Voltage Transformers</i> .	Transformers No. 6
May 1, 2008	Publication of CSA standard C22.2 No. 211.1-06, <i>Rigid Types EB1 and DB2/ES2 PVC Conduit</i> .	Conduit No. 19
May 1, 2008	Publication of CSA standard C22.2 No. 211.2-06, <i>Rigid PVC (Unplasticized) Conduit</i> .	Conduit No. 20
June 30, 2008	Publication of CSA standard C22.2 No. 49-06, <i>Flexible Cords and Cables</i> .	Wire and Cable No. 128
August 1, 2008	Publication of Amendment 1 to CSA standard CAN/CSA-E61347-2-3:03, <i>Lamp controlgear — Part 2-3: Particular requirements for a.c. supplied electronic ballasts for fluorescent lamps</i> (Adopted CEI/IEC 61347-2-3:2000, first edition, 2000-10, with Canadian deviations).	Lighting Products No. 48
December 31, 2008	Publication of the third edition of CSA standard C22.2 No. 130-03, <i>Requirements for Electrical Resistance Heating Cables and Heating Device Sets</i> .	Wiring Devices No. 37
December 31, 2008	Publication of CSA standard C22.2 No. 256-05, <i>Direct Plug-In Nightlights</i> .	Lighting Products No. 49



**Certification Notices (cont'd)**

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
▶ January 31, 2009	Publication of Update No. 1 to CSA standard C22.2 No. 18.3-04, <i>Conduit Tubing and Cable Fittings</i> (tri-national standard with NMX-J-017-ANCE and UL514B).	Wiring Products No. 10
February 27, 2009	Announcing new and revised requirements in standard UL 588, <i>Seasonal and Holiday Decorative Products, 18th edition.</i>	Lighting Products No. 50
June 1, 2010	Publication of CSA standards CAN/CSA-C22.2 No. 60745-1-04 and CAN/CSA-C22.2 No. 60745-2-04 (bi-national standards with UL 60745-1 and associated Part 2 series standards).	Electrical Tools No. 15
December 1, 2010	Publication of CSA standard CAN/CSA-C22.2 No. 60950-1-07 (bi-national standard with UL 60950-1).	Information Technology and Electrical Business Equipment No. 16
▶ January 1, 2012	Publication of CAN/CSA-E61131-2:06, <i>Programmable Controllers — Part 2: Equipment requirements and tests</i> (Adopted IEC 61131-2:2003, 2nd edition.)	Programmable Controllers No. 1
August 21, 2016	Publication of CAN/CSA-C22.2 No. 60335-2-24-06, <i>Safety Requirements for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Refrigerating Appliances, Ice Cream Appliances and Ice Makers</i> (tri-national standard with UL 60335-2-24 and NMX-J-521/2-24-ANCE-2006).	Household Refrigerators and Freezers No. 3



## Completed Projects / Projets terminés

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### Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

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#### **C749-07, 2<sup>e</sup> édition**

*Performances des déshumidificateurs* ..... 50 \$

Cette norme prescrit :

- a) les exigences de performances visant les déshumidificateurs d'usage ménager assemblés en usine dont la puissance d'assèchement quotidienne nominale est de 87,5 L (185 chopines U.S.) ; et
- b) les méthodes de mesure uniformes de la puissance et du facteur énergétique minimal, FE.

Cette norme est offerte en format PDF seulement.

#### **Série N285.6-05, 2<sup>e</sup> édition**

*Normes sur les matériaux des composants de réacteurs des centrales nucléaires CANDU* ..... 200 \$

La série N285.6 comprend les normes suivantes :

- **N285.6.1-05**, *Tubes de force pour utilisation dans les canaux de combustible des réacteurs CANDU*. Cette norme énonce les exigences visant la fabrication et les propriétés des tubes de force sans soudure en alliage de zirconium-niobium 2,5 % en poids (Zr-2,5Nb) pour utilisation dans les canaux de combustible des réacteurs CANDU.
- **N285.6.2-05**, *Tubes sans soudure en alliages de zirconium pour les dispositifs de contrôle de la réactivité*. Cette norme énonce les exigences visant la fabrication et les propriétés des tubes sans soudure en alliages de zirconium, nuances R60802 et R60804, dont le rapport diamètre/épaisseur de paroi est inférieur à 80. Ces tubes sont utilisés pour les dispositifs de contrôle de la réactivité dans les réacteurs CANDU.
- **N285.6.3-05**, *Tubes recuits sans soudure en alliages de zirconium pour les buses d'injection de liquide des systèmes d'arrêt*. Cette norme énonce les exigences visant la fabrication et les propriétés des tubes sans soudure en alliages de zirconium-étain, nuance R60802 ou R60804, destinés à être utilisés dans les buses d'injection de liquide des systèmes d'arrêt installées dans l'eau du modérateur dans le cœur d'un réacteur CANDU.
- **N285.6.4-05**, *Tubes en alliages de zirconium à paroi mince et à grand diamètre*. Cette norme énonce les exigences visant la fabrication et les propriétés des tubes en alliages de zirconium-étain, nuance R60802 ou R60804, à paroi mince et à grand diamètre. Ces tubes peuvent être utilisés comme tubes de la calandre et comme tubes pour les dispositifs de contrôle de la réactivité d'un réacteur CANDU, et ils peuvent être fabriqués sans soudure ou avec soudures.



## Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

### Série N285.6-05 (suite)

- N285.6.6-05, *Critères d'examen non destructif des alliages de zirconium*. Cette norme énonce les exigences relatives aux examens non destructifs (END) des composants en alliages de zirconium au cours de la fabrication. Les méthodes d'examen comprennent l'inspection visuelle, la radiographie, le ressuage, les ultrasons et les courants de Foucault.
- N285.6.7-05, *Données de conception des alliages de zirconium*. Cette norme énonce les données relatives aux propriétés physiques et mécaniques à utiliser à des fins de conception pour les composants en alliages de zirconium définis dans la série CSA N285.6.
- N285.6.8-05, *Acier inoxydable martensitique pour les raccords d'extrémité des canaux de combustible*. Cette norme énonce les exigences relatives aux ébauches forgées en acier inoxydable utilisées pour les raccords d'extrémité des canaux de combustible d'un réacteur CANDU.
- N285.6.9-05, *Matériaux pour supports des composants sous pression*. Cette norme traite des matériaux utilisés dans la fabrication des supports des composants sous pression dans les centrales nucléaires CANDU. Les matériaux traités s'ajoutent à ceux que permettent l'article NF-2000 de la section III du *Boiler and Pressure Vessel Code* (BPVC) de l'ASME et les modificatifs décrits.
- N285.6.10-05, *Fils en alliages à base de nickel utilisés pour les ressorts annulaires pour les canaux de combustible*. Cette norme énonce les exigences relatives aux fils en alliages à base de nickel (UNS N00750) servant à la fabrication des ressorts annulaires qui seront placés entre les tubes de force et les tubes de la calandre dans les canaux de combustible d'un réacteur CANDU.
- N285.6.11-05, *Fils en alliages de zirconium*. Cette norme énonce les exigences relatives aux fils en alliages de zirconium-étain, nuance R60802 ou R60804, utilisés dans le soudage des composants en zirconium et dans la fabrication des ressorts annulaires installés entre les tubes de force et les tubes de la calandre dans les canaux de combustible d'un réacteur CANDU.

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### Reaffirmed Standards

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#### **B306-M1977 (R2007)**

*Portable Fuel Tanks for Marine Use*

#### **CAN/CSA-B366.1-M91 (R2007)**

*Solid-Fuel-Fired Central Heating Appliances*

#### **CAN/CSA-C679-02 (R2007)**

*Installation and Maintenance of Farm Standby Electric Power*

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## Withdrawn Standards

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### **ASTM A53/A53M (2001)**

*Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated,  
Welded and Seamless*

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## Formal Interpretations

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The following interpretation regarding Clause 8.5 of CSA standard B140.0-03, *Oil Burning Equipment: General Requirements*, has been approved by the Technical Committee on Oil Burning Appliances.

**Question:** Is it the intent of the requirement of Clause 8.5 in CSA B140.0-03 Standard for Oil Burning Equipment to be applied to products with input rates over 400, 000 Btu/Hr?

**Answer:** No.

## **Completed Projects / Projets terminés**

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### **Withdrawn Standards**

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**PLUS 1137**

*Audit Checklist for Environmental Management Systems*

**PLUS 1138**

*An Integrated Checklist for Quality Management Systems and Environmental Management Systems*

**PLUS 1146**

*Guide to ISO 14001 Implementation in the Automotive Parts Manufacturing Sector*

**PLUS 1147**

*Guide to the Implementation of ISO 14001 at Airports*

**PLUS 1150-01**

*Guide to the Implementation of an EMS for the Office Sector Based on ISO 14001*

**PLUS 1151-01**

*Guide to the Implementation of ISO 14001 for the College and University Sector*

**PLUS 1152-01**

*Guide to the Implementation of ISO 14001 for the School Sector*

**PLUS 1153-01**

*Guide to the Implementation of ISO 14001 for the Hospital Sector*

**PLUS 1154-01**

*Guide to the Implementation of an EMS Based on ISO 14001 for Municipal Facilities*

**PLUS 1157**

*Guide to the Implementation of an EMS for the Primary Agriculture Sector Based on ISO 14001*

**PLUS 1164**

*A Practical Handbook for Combining the Requirements of ISO 9001:2000 and ISO 14001:1996*

**PLUS 1165**

*Protocol for Verification of the Environmental Performance Agreement Between Environment Canada, Industry Canada, and the Automotive Parts Manufacturers' Association*



## **Completed Projects / Projets terminés**

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### **Amendments**

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**ANSI Z21.47a-2007/CSA 2.3a-2007**

*Addenda A to “Gas-Fired Central Furnaces”* .....\$80

This document provides revisions to ANSI Z21.47-2006/CSA 2.3-2006.

**ANSI Z21.78a-2007/CSA 6.20a-2007**

*Addenda A to “Combination Gas Controls for Gas Appliances”* .....\$60

This document provides revisions to ANSI Z21.78-2005/CSA 6.20-2005.

**ANSI Z21.94a-2007/CSA 6.31a-2007**

*Addenda A to “Automatic Flammable Vapor Sensor Systems and Components”* .....\$75

This document provides revisions to ANSI Z21.94-2006/CSA 6.31-2006.

**ANSI Z83.19b-2007/CSA 2.35b-2007**

*Addenda B to “Gas-Fired High-Intensity Infrared Heaters”* .....\$65

This document provides revisions to ANSI Z83.19-2001/CSA 2.35-2001 and ANSI Z83.19a-2002/CSA 2.35a-2002.

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### **Reaffirmed Standards**

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**ANSI Z21.54-2002/CSA 8.4-2002 (R2007)**

*Gas Hose Connectors for Portable Outdoor Gas-Fired Appliances*

**ANSI Z21.69-2002/CSA 6.16-2002 (R2007)**

*Connectors for Movable Gas Appliances*

## **Certification and Testing (CSA International)**

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### **Certification Notices**

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

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
February 1, 2008	Publication of addenda ANSI Z21.58b-2006/ CSA 1.6b-2006, <i>Outdoor Cooking Gas Appliances</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.58-2005/ CSA 1.6-2005 and ANSI Z21.58a-2006/ CSA 1.6a-2006.	Gas Products No. 113

**Certification Notices (cont'd)**

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
February 1, 2008	Publication of ANSI Z83.11-2006/CSA 1.8-2006, <i>Gas Food Service Equipment</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z83.11-2002/CSA 1.8-2002, ANSI Z83.11a-2004/CSA 1.8a-2004, and ANSI Z83.11b-2004/CSA 1.8b-2004.	Gas Products No. 117
February 1, 2008	Publication of addenda ANSI Z21.89b-2006/CSA 1.18b-2006, <i>Outdoor Cooking Specialty Gas Appliances</i> .	Gas Products No. 120
April 1, 2008	Publication of ANSI Z21.5.1-2006/CSA 7.1-2006, <i>Gas Clothes Dryers — Volume I</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.5.1-2002/CSA 7.1-2002, ANSI Z21.5.1a-2003/CSA 7.1a-2003, and ANSI Z21.5.1b-2005/CSA 7.1b-2005.	Gas Products No. 118
April 1, 2008	Publication of addenda ANSI Z21.5.2a-2006/CSA 7.2a-2006, <i>Gas Clothes Dryers — Volume II</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.5.2-2005/CSA 7.2-2005.	Gas Products No. 119
July 1, 2008	Publication of ANSI LC4-2007, <i>Press-Connect Type Copper and Copper Alloy Fittings for Use with Fuel Gas Tubing</i> . The revisions in this standard supersede any corresponding provisions of CSA International Requirement No. 1-02 U.S., including Rev. 1 – June 10, 2004.	Gas Products No. 123
August 1, 2008	Publication of ANSI Z21.89-2007/CSA 1.18-2007, <i>Outdoor Cooking Specialty Gas Appliances</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.89-2004/CSA 1.18-2004, ANSI Z21.89a-2006/CSA 1.18a-2006, and ANSI Z21.89b-2006/CSA 1.18b-2006.	Gas Products No. 129
September 1, 2008	Publication of ANSI Z21.50-2007/CSA 2.22-2007, <i>Vented Gas Fireplaces</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.50-2003/CSA 2.22-2003, ANSI Z21.50a-2003/CSA 2.22a-2003, and ANSI Z21.50b-2005/CSA 2.22b-2005.	Gas Products No. 127

**Certification Notices (cont'd)**

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
September 1, 2008	Publication of ANSI Z21.11.2-2007, <i>Gas-Fired Room Heaters — Volume II — Unvented Room Heaters</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.11.2-2001, ANSI Z21.11.2a-2003, and ANSI Z21.11.2b-2004.	Gas Products No. 121
January 1, 2009	Publication of ANSI Z21.58-2007/CSA 1.6-2007, <i>Outdoor Cooking Gas Appliances</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.58-2005/CSA 1.6-2005, ANSI Z21.58a-2006/CSA 1.6a-2006, and ANSI Z21.58b-2006/CSA 1.6b- 2006.	Gas Products No. 126





## Completed Projects / Projets terminés

### New Standards – New Editions – Special Publications

#### **CAN/CSA-M789-10-07, 2nd edition**

*Agricultural tractors — Test procedures — Part 10: Hydraulic power at tractor/ implement interface* (Adopted ISO/OECD 789-10:2006, first edition, without modification) ..... \$80

This standard specifies tests for determining the hydraulic pressure at the external hydraulic service of an agricultural tractor/implement as specified in ISO 10448, as well as companion tests for measuring the maximum hydraulic power available.

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

#### **CAN/CSA-M4254-1-07, 2nd edition**

*Agricultural machinery — Safety — Part 1: General requirements* (Adopted ISO 4254-1:2005, third edition, without modification) ..... \$130

This standard specifies the general safety requirements and their verification for the design and construction of self-propelled ride-on machines and mounted, semi-mounted, or trailed machines used in agriculture. In addition, it specifies the type of information on safe working practices (including residual risks) to be provided by the manufacturer.

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

#### **Z94.3-07, 7th edition**

*Eye and Face Protectors* ..... \$70

This standard applies to eye and face protectors used in all occupational and educational operations or processes involving hazards to the eyes or face. Typical hazards include flying objects and particles, splashing liquids, molten metal, and ultraviolet visible, and infrared radiation, but do not include x-rays, gamma rays, high-energy particulate radiation, radioactive materials, lasers, or masers.

This standard sets minimum performance requirements, but does not cover factors of design such as comfort, service life, or appearance.



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## Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

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### **CAN/CSA-M4254-1-07, 2<sup>e</sup> édition**

Matériel agricole — Sécurité — Partie 1: Exigences générales (norme ISO 4254-1:2005, troisième édition, adoptée sans modification)..... 130 \$

Cette norme spécifie les exigences générales de sécurité et leurs vérifications pour la conception et la construction des machines automotrices et portées, semi-portées ou traînées utilisées en agriculture. En outre, elle spécifie le type d'informations que le fabricant doit donner sur les pratiques d'utilisation sûre (y compris les risques résiduels).

Cette norme est offerte en format PDF seulement.

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## Reaffirmed Standards

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### **CAN/CSA-B651.1-01 (R2007)**

*Barrier-Free Design for Automated Banking Machines*

### **CAN/CSA-M6683-92 (R2007)**

*Seat Belts and Anchorages — Machinery (EMM, FM) (Adopted ISO 6683:1981, first edition, with Canadian deviations)*

### **CAN/CSA-Z314.1-01 (R2007)**

*Ethylene Oxide Sterilizers for Health Care Facilities*

### **CAN/CSA-Z314.2-01 (R2007)**

*Effective Sterilization in Health Care Facilities by the Ethylene Oxide Process*

### **CAN/CSA-Z314.3-01 (R2007)**

*Effective Sterilization in Health Care Facilities by the Steam Process*

### **CAN/CSA Z314.9-01 (R2007)**

*Installation, Ventilation, and Safe Use of Ethylene Oxide Sterilizers in Health Care Facilities*

### **CAN/CSA-Z314.13-01 (R2007)**

*Recommended Standard Practices for Emergency (Flash) Sterilization*

### **CAN/CSA-Z317.1-99 (R2007)**

*Special Requirements for Plumbing Installations in Health Care Facilities*

### **Z317.5-98 (R2007)**

*Illumination Systems in Health Care Facilities*

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## Withdrawn Standards

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**CAN/CSA-ISO 9703.1-97 (R2006)**

*Anaesthesia and respiratory care alarm signals — Part 1: Visual alarm signals*

(Adopted ISO 9703-1:1992, first edition, without modification)

**CAN/CSA-ISO 9703.2-97 (R2006)**

*Illumination Systems in Health Care Facilities*

(Adopted ISO 9703-2:1994, first edition, without modification)

## ***Certification and Testing (CSA International)***

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### Certification Notices

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

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
December 31, 2007	Publication of CSA standard Z76.1-06, <i>Reclosable Child-Resistant Packages.</i>	Health Care Equipment No. 19



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



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