



**CANADIAN STANDARDS  
ASSOCIATION**

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## Canadian Standards Association

### *Making Standards Work for People and Business*

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

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

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

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

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## About this publication

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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 It contains important information about new and existing standards, e.g., recently published standards, and withdrawn standards.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 416-747-2488, or fax 416-747-4173.



## New Standards in this Issue



### Electrical/Electronics

**C22.2 No. 187-09, 3rd edition**

*Electrostatic Air Cleaners*



### Life Sciences

**Z96-09, 2nd edition**

*High-visibility safety apparel*



## **Completed Projects / Projets terminés**

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### **Reaffirmed Standards**

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**CAN/CSA-ISO/IEC-2022-96 (R2009)**

*Information technology — Character code structure and extension techniques*  
(Adopted ISO/IEC 2022:1994)

**CAN/CSA-ISO/IEC 2382-7:04 (R2009)**

*Information technology — Vocabulary — Part 7: Computer programming*  
(Adopted ISO/IEC 2382-7:2000)

**CAN/CSA-ISO/IEC-6522-96 (R2009)**

*Information technology — Programming languages — PL/1 general purpose subset*  
(Adopted ISO/IEC 6522:1992)

**CAN/CSA-ISO/IEC 6592:04 (R2009)**

*Information technology — Guidelines for the documentation of computer-based application systems* (Adopted ISO/IEC 6592:2000)

**CAN/CSA-ISO/IEC 6937:04 (R2009)**

*Information technology — Coded graphic character set for text communication — Latin alphabet*  
(Adopted ISO/IEC 6937:2001)

**CAN/CSA-ISO/IEC-7776-96 (R2009)**

*Information technology — Telecommunications and information exchange between systems — High-level data link control procedures — Description of the X.25 LAPB-compatible DTE data link procedures* (Adopted ISO/IEC 7776:1995)

**CAN/CSA-ISO/IEC 7810:04 (R2009)**

*Identification cards — Physical characteristics* (Adopted ISO/IEC 7810:2003)

**CAN/CSA-ISO/IEC-8473-2-96 (R2009)**

*Information technology — Protocol for providing the connectionless-mode network service — Part 2: Provision of the underlying service by an ISO/IEC 8802 subnetwork*  
(Adopted ISO/IEC 8473-2:1996)

**CAN/CSA-ISO-8485-96 (R2009)**

*Programming languages — APL* (Adopted ISO 8485:1989)

**CAN/CSA-ISO/IEC-8613-1-95 (R2009)**

*Information technology — Open Document Architecture (ODA) and Interchange Format: Introduction and general principles* (Adopted ISO/IEC 8613-1:1994)

**CAN/CSA-ISO/IEC-8613-2-96 (R2009)**

*Information technology — Open Document Architecture (ODA) and Interchange Format: Document structures* (Adopted ISO/IEC 8613-2:1995)



## Reaffirmed Standards (cont'd)

### **CAN/CSA-ISO/IEC-8613-4-95 (R2009)**

*Information technology — Open Document Architecture (ODA) and Interchange Format: Document profile* (Adopted ISO/IEC 8613-4:1994)

### **CAN/CSA-ISO/IEC 8613-5-95 (R2009)**

*Information technology — Open Document Architecture (ODA) and Interchange Format: Open Document Interchange format* (Adopted ISO/IEC 8613-5:1994)

### **CAN/CSA-ISO/IEC-8613-6-96 (R2009)**

*Information technology — Open Document Architecture (ODA) and Interchange Format: Character content architectures* (Adopted ISO/IEC 8613-6:1994)

### **CAN/CSA-ISO/IEC-8652-96 (R2009)**

*Information Technology — Programming languages — Ada* (Adopted ISO/IEC 8652:1995)

### **CAN/CSA-ISO/IEC TR 8802-1:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Specific requirements — Part 1: Overview of Local Area Network Standards* (Adopted ISO/IEC TR 8802-1:2001)

### **CAN/CSA-ISO/IEC 8824-1:04 (R2009)**

*Information technology — Abstract Syntax Notation One (ASN.1): Specification of basic notation* (Adopted ISO/IEC 8824-1:2002)

### **CAN/CSA-ISO/IEC 8824-2:04 (R2009)**

*Information technology — Abstract Syntax Notation One (ASN.1): Information object specification* (Adopted ISO/IEC 8824-2:2002)

### **CAN/CSA-ISO/IEC 8824-3:04 (R2009)**

*Information technology — Abstract Syntax Notation One (ASN.1): Constraint specification* (Adopted ISO/IEC 8824-3:2002)

### **CAN/CSA-ISO/IEC 8824-4:04 (R2009)**

*Information technology — Abstract Syntax Notation One (ASN.1): Parameterization of ASN.1 specifications* (Adopted ISO/IEC 8824-4:2002)

### **CAN/CSA-ISO/IEC 8825-1:04 (R2009)**

*Information technology — ASN.1 encoding rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER)* (Adopted ISO/IEC 8825-1:2002)

### **CAN/CSA-ISO/IEC 8859-7:04 (R2009)**

*Information technology — 8-bit single-byte coded graphic character sets — Part 7: Latin/Greek alphabet* (Adopted ISO/IEC 8859-7:2003)





## Reaffirmed Standards (cont'd)

### **CAN/CSA-ISO/IEC 8859-11:04 (R2009)**

*Information technology — 8-bit single-byte coded graphic character sets — Part 11: Latin/Thai alphabet* (Adopted ISO/IEC 8859-11:2001)

### **CAN/CSA-ISO/IEC TR 9126-2:04 (R2009)**

*Software engineering — Product quality — Part 2: External metrics* (Adopted ISO/IEC TR 9126-2:2003)

### **CAN/CSA-ISO/IEC TR 9126-3:04 (R2009)**

*Software engineering — Product quality — Part 3: Internal metrics* (Adopted ISO/IEC TR 9126-3:2003)

### **CAN/CSA-ISO/IEC-9314-5-96 (R2009)**

*Information technology — Fibre Distributed Data Interface (FDDI) — Part 5: Hybrid Ring Control (HRC)* (Adopted ISO/IEC 9314-5:1995)

### **CAN/CSA-ISO/IEC 9314-20:04 (R2009)**

*Information technology — Fibre distributed data interface (FDDI) — Part 20: Abstract test suite for FDDI physical medium dependent conformance testing (PMD ATS)* (Adopted ISO/IEC 9314-20:2001)

### **CAN/CSA-ISO/IEC 9314-21:04 (R2009)**

*Information technology — Fibre distributed data interface (FDDI) — Part 21: Abstract test suite for FDDI physical layer protocol conformance testing (PHY ATS)* (Adopted ISO/IEC 9314-21:2000)

### **CAN/CSA-ISO/IEC 9314-26:04 (R2009)**

*Information technology — Fibre distributed data interface (FDDI) — Part 26: Media Access Control Conformance Testing (MAC-ATS)* (Adopted ISO/IEC 9314-26:2001)

### **CAN/CSA-ISO/IEC 9496:04 (R2009)**

*CHILL — The ITU-T programming language* (Adopted ISO/IEC 9496:2003)

### **CAN/CSA-ISO/IEC 9805-1:04 (R2009)**

*Information technology — Open Systems Interconnection — Protocol for the Commitment, Concurrency and Recovery service element: Protocol specification* (Adopted ISO/IEC 9805-1:1998)

### **CAN/CSA-ISO/IEC 9945-1:05 (R2009)**

*Information technology — Portable Operating System Interface (POSIX®) — Part 1: Base Definitions* (Adopted ISO/IEC 9945-1:2003)

### **CAN/CSA-ISO/IEC 9945-2:05 (R2009)**

*Information technology — Portable Operating System Interface (POSIX®) — Part 2: System Interfaces* (Adopted ISO/IEC 9945-2:2003)



## Reaffirmed Standards (cont'd)

### **CAN/CSA-ISO/IEC 9945-3:05 (R2009)**

*Information technology — Portable Operating System Interface (POSIX®) — Part 3: Shell and Utilities (Adopted ISO/IEC 9945-3:2003)*

### **CAN/CSA-ISO/IEC 9945-4:05 (R2009)**

*Information technology — Portable Operating System Interface (POSIX®) — Part 4: Rationale (Adopted ISO/IEC 9945-4:2003)*

### **CAN/CSA-ISO/IEC 10021-1:04 (R2009)**

*Information technology — Message Handling Systems (MHS) Part 1: System and service overview (Adopted ISO/IEC 10021-1:2003)*

### **CAN/CSA-ISO/IEC 10021-2:04 (R2009)**

*Information technology — Message Handling Systems (MHS): Overall Architecture (Adopted ISO/IEC 10021-2:2003)*

### **CAN/CSA-ISO/IEC 10021-4:04 (R2009)**

*Information technology — Message Handling Systems (MHS): Message transfer system — Abstract service definition and procedures (Adopted ISO/IEC 10021-4:2003)*

### **CAN/CSA-ISO/IEC 10021-6:04 (R2009)**

*Information technology — Message Handling Systems (MHS): Protocol specifications (Adopted ISO/IEC 10021-6:2003)*

### **CAN/CSA-ISO/IEC 10021-7:04 (R2009)**

*Information technology — Message Handling Systems (MHS): Interpersonal messaging system (Adopted ISO/IEC 10021-7:2003)*

### **CAN/CSA-ISO/IEC 10026-1-00 (R2009)**

*Information technology — Open Systems Interconnection — Distributed Transaction Processing — Part 1: OSI TP Model (Adopted ISO/IEC 10026-1:1998)*

### **CAN/CSA-ISO/IEC 10026-2-00 (R2009)**

*Information technology — Open Systems Interconnection — Distributed Transaction Processing — Part 2: OSI TP Service (Adopted ISO/IEC 10026-2:1998)*

### **CAN/CSA-ISO/IEC 10026-3-00 (R2009)**

*Information technology — Open Systems Interconnection — Distributed Transaction Processing — Part 3: Protocol specification (Adopted ISO/IEC 10026-3:1998)*

### **CAN/CSA-ISO/IEC 10026-6-00 (R2009)**

*Information technology — Open Systems Interconnection — Distributed Transaction Processing — Part 6: Unstructured Data Transfer (Adopted ISO/IEC 10026-6:1995)*

### **CAN/CSA-ISO/IEC TR 10032:04 (R2009)**

*Information technology — Reference Model of Data Management (Adopted ISO/IEC TR 10032:2003)*



## Reaffirmed Standards (cont'd)

### **CAN/CSA-ISO/IEC 10118-3:04 (R2009)**

*Information technology — Security techniques — Hash-functions — Part 3: Dedicated hash-functions* (Adopted ISO/IEC 10118-3:2004)

### **CAN/CSA-ISO/IEC-10164-1-95 (R2009)**

*Information technology — Open Systems Interconnection — Systems Management: Object management function* (Adopted ISO/IEC 10164-1:1993)

### **CAN/CSA-ISO/IEC 10164-2-95 (R2009)**

*Information technology — Open Systems Interconnection — Systems Management: State management function* (Adopted ISO/IEC 10164-2:1993)

### **CAN/CSA-ISO/IEC-10164-3-95 (R2009)**

*Information technology — Open Systems Interconnection — Systems Management: Attributes for representing relationships* (Adopted ISO/IEC 10164-3:1993)

### **CAN/CSA-ISO/IEC-10164-4-95 (R2009)**

*Information technology — Open Systems Interconnection — Systems Management: Alarm reporting function* (Adopted ISO/IEC 10164-4:1992)

### **CAN/CSA-ISO/IEC-10164-5-95 (R2009)**

*Information technology — Open Systems Interconnection — Systems Management: Event report management function* (Adopted ISO/IEC 10164-5:1993)

### **CAN/CSA-ISO/IEC-10164-6-95 (R2009)**

*Information technology — Open Systems Interconnection — Systems Management: Log control function* (Adopted ISO/IEC 10164-6:1993)

### **CAN/CSA-ISO/IEC-10164-7-95 (R2009)**

*Information technology — Open Systems Interconnection — Systems Management: Security alarm reporting function* (Adopted ISO/IEC 10164-7:1995)

### **CAN/CSA-ISO/IEC-10164-8-95 (R2009)**

*Information technology — Open Systems Interconnection — Systems Management: Security audit trail function* (Adopted ISO/IEC 10164-8:1993)

### **CAN/CSA-ISO/IEC-10164-12-96 (R2009)**

*Information technology — Open Systems Interconnection — Systems Management: Test management function* (Adopted ISO/IEC 10164-12:1994)

### **CAN/CSA-ISO/IEC-10179-96 (R2009)**

*Information technology — Processing languages — Document Style Semantics and Specification Language (DSSSL)* (Adopted ISO/IEC 10179:1996)

### **CAN/CSA-ISO/IEC 10514-1-00 (R2009)**

*Information technology — Programming languages — Part 1: Modula-2, Base Language* (Adopted ISO/IEC 10514-1:1996)



## Reaffirmed Standards (cont'd)

### **CAN/CSA-ISO/IEC ISP 10609-40-00 (R2009)**

*Information technology — International Standardized Profiles TB, TC, TD and TE — Connection-mode Transport Service over connection-mode Network Service — Part 40: Definition of profile TD1131 (Adopted ISO/IEC ISP 10609-40:1995)*

### **CAN/CSA-ISO/IEC ISP 10611-1:04 (R2009)**

*Information technology — International Standardized Profiles AMH1n — Message Handling Systems — Common Messaging — Part 1: MHS Service Support (Adopted ISO/IEC ISP 10611-1:2003)*

### **CAN/CSA-ISO/IEC ISP 10611-3:04 (R2009)**

*Information technology — International Standardized Profiles AMH1n — Message Handling Systems — Common Messaging — Part 3: AMH11 — Message Transfer (P1) (Adopted ISO/IEC ISP 10611-3:2003)*

### **CAN/CSA-ISO/IEC ISP 10611-4:04 (R2009)**

*Information technology — International Standardized Profiles AMH1n — Message Handling Systems — Common Messaging — Part 4: AMH12 and AMH14 — MTS Access (P3) and MTS 94 Access (P3) (Adopted ISO/IEC ISP 10611-4:2003)*

### **CAN/CSA-ISO/IEC ISP 10611-6:04 (R2009)**

*Information technology — International Standardized Profiles AMH1n — Message Handling Systems — Common Messaging — Part 6: AMH15 — MS 94 Access (P7) (Adopted ISO/IEC ISP 10611-6:2003)*

### **CAN/CSA-ISO/IEC-10612-1-96 (R2009)**

*Information technology — International Standardized Profile RD — Relaying the MAC service using transparent bridging — Part 1: Subnetwork-independent requirements (Adopted ISO/IEC ISP 10612-1:1995)*

### **CAN/CSA-ISO/IEC-10612-2-96 (R2009)**

*Information technology — International Standardized Profile RD — Relaying the MAC service using transparent bridging — Part 2: CSMA/CD LAN subnetwork-dependent, media-dependent requirements (Adopted ISO/IEC ISP 10612-2:1995)*

### **CAN/CSA-ISO/IEC-10612-4-96 (R2009)**

*Information technology — International Standardized Profile RD — Relaying the MAC service using transparent bridging — Part 4: Profile RD51.51 (CSMA/CD LAN — CSMA/CD LAN) (Adopted ISO/IEC ISP 10612-4:1995)*

### **CAN/CSA-ISO/IEC-10731-96 (R2009)**

*Information technology — Open Systems Interconnection — Basic Reference Model — Conventions for the definition of OSI services (Adopted ISO/IEC 10731:1994)*

### **CAN/CSA-ISO/IEC-10745-96 (R2009)**

*Information technology — Open Systems Interconnection — Upper layers security model (Adopted ISO/IEC 10745:1995)*



## Reaffirmed Standards (cont'd)

### **CAN/CSA-ISO/IEC-10967-1-96 (R2009)**

*Information technology — Language independent arithmetic — Part 1: Integer and floating point arithmetic* (Adopted ISO/IEC 10967-1:1994)

### **CAN/CSA-ISO/IEC-11172-4-96 (R2009)**

*Information technology — Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s — Part 4: Compliance testing* (Adopted ISO/IEC 11172-4:1995)

### **CAN/CSA-ISO/IEC 11179-3:04 (R2009)**

*Information technology — Metadata registries (MDR) — Part 3: Registry metamodel and basic attributes* (Adopted ISO/IEC 11179-3:2003)

### **CAN/CSA-ISO/IEC ISP 11185-12-00 (R2009)**

*Information technology — International Standardized Profiles FVT2nn — Virtual Terminal Basic Class — Register of control object type definitions — Part 12: FVT2116 — Generalized Telnet Synch Control Object; FVT2117 — Generalized Telnet Signal Control Object; FVT2118 — Generalized Telnet Negotiation Control Object; FVT2119 — Generalized Telnet Subnegotiation Control Object* (Adopted ISO/IEC ISP 11185-12:1995)

### **CAN/CSA-ISO/IEC ISP 11185-13-00 (R2009)**

*Information technology — International Standardized Profiles FVT2nn — Virtual Terminal Basic Class — Register of control object type definitions — Part 13: FVT2111 — Waiting Time Control Object* (Adopted ISO/IEC ISP 11185-13:1995)

### **CAN/CSA-ISO/IEC ISP 11185-14-00 (R2009)**

*Information technology — International Standardized Profiles FVT2nn — Virtual Terminal Basic Class — Register of control object type definitions — Part 14: FVT2112 — Printer Control Object* (Adopted ISO/IEC ISP 11185-14:1995)

### **CAN/CSA-ISO/IEC ISP 11185-15-00 (R2009)**

*Information technology — International Standardized Profiles FVT2nn — Virtual Terminal Basic Class — Register of control object type definitions — Part 15: FVT2113 — Field Definition Management Control Object* (Adopted ISO/IEC ISP 11185-15:1995)

### **CAN/CSA-ISO/IEC ISP 11185-16-00 (R2009)**

*Information technology — International Standardized Profiles FVT2nn — Virtual Terminal Basic Class — Register of control object type definitions — Part 16: FVT2114 — Terminal Signal Titles Control Object* (Adopted ISO/IEC ISP 11185-16:1995)

### **CAN/CSA-ISO/IEC ISP 11185-17-00 (R2009)**

*Information technology — International Standardized Profiles FVT2nn — Virtual Terminal Basic Class — Register of control object type definitions — Part 17: FVT2115 — Help Text Control Object* (Adopted ISO/IEC ISP 11185-17:1995)



## Reaffirmed Standards (cont'd)

### **CAN/CSA-ISO/IEC ISP 11187-4-00 (R2009)**

*Information technology — International Standardized Profiles AVT1n, AVT2n — Virtual Terminal Basic Class — Application Profiles — Part 4: AVT23 — S-mode Paged Application Profile* (Adopted ISO/IEC ISP 11187-4:1996)

### **CAN/CSA-ISO/IEC ISP 11187-5-00 (R2009)**

*Information technology — International Standardized Profiles AVT1n, AVT2n — Virtual Terminal Basic Class — Application Profiles — Part 5: AVT16 — A-mode Generalized Telnet Application Profile* (Adopted ISO/IEC ISP 11187-5:1996)

### **CAN/CSA-ISO/IEC ISP 11187-6-00 (R2009)**

*Information technology — International Standardized Profiles AVT1n, AVT2n — Virtual Terminal Basic Class — Application Profiles — Part 6: AVT15 — A-mode Transparent Application Profile* (Adopted ISO/IEC ISP 11187-6:1996)

### **CAN/CSA-ISO/IEC ISP 11188-1-00 (R2009)**

*Information technology — International Standardized Profile — Common upper layer requirements — Part 1: Basic connection oriented requirements* (Adopted ISO/IEC ISP 11188-1:1995)

### **CAN/CSA-ISO/IEC ISP 11188-2-00 (R2009)**

*Information technology — International Standardized Profile — Common upper layer requirements — Part 2: Basic connection oriented requirements for ROSE-based profiles* (Adopted ISO/IEC ISP 11188-2:1996)

### **CAN/CSA-ISO/IEC ISP 11188-3-00 (R2009)**

*Information technology — International Standardized Profile — Common upper layer requirements — Part 3: Minimal OSI upper layer facilities* (Adopted ISO/IEC ISP 11188-3:1996)

### **CAN/CSA-ISO/IEC ISP 11190-00 (R2009)**

*Information technology — International Standardized Profile FDI3 — Directory data definitions — FTAM Use of the Directory* (Adopted ISO/IEC ISP 11190:1995)

### **CAN/CSA-ISO/IEC-11411-96 (R2009)**

*Information technology — Representation for human communication of state transition of software* (Adopted ISO/IEC 11411:1995)

### **CAN/CSA-ISO/IEC-11575-96 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Protocol mappings for the OSI Data Link service* (Adopted ISO/IEC 11575:1995)

### **CAN/CSA-ISO/IEC-12059-0-96 (R2009)**

*Information technology — International Standardized Profiles — OSI Management — Common information for management functions — Part 0: Common definitions for management function profiles* (Adopted ISO/IEC ISP 12059-0:1995)



## Reaffirmed Standards (cont'd)

### **CAN/CSA-ISO/IEC-12059-1-96 (R2009)**

*Information technology — International Standardized Profiles — OSI Management — Common information for management functions — Part 1: Object management*  
(Adopted ISO/IEC ISP 12059-1:1995)

### **CAN/CSA-ISO/IEC-12059-2-96 (R2009)**

*Information technology — International Standardized Profiles — OSI Management — Common information for management functions — Part 2: State management*  
(Adopted ISO/IEC ISP 12059-2:1995)

### **CAN/CSA-ISO/IEC-12059-3-96 (R2009)**

*Information technology — International Standardized Profiles — OSI Management — Common information for management functions — Part 3: Attributes for representing relationships* (Adopted ISO/IEC ISP 12059-3:1995)

### **CAN/CSA-ISO/IEC-12059-4-96 (R2009)**

*Information technology — International Standardized Profiles — OSI Management — Common information for management functions — Part 4: Alarm reporting*  
(Adopted ISO/IEC ISP 12059-4:1995)

### **CAN/CSA-ISO/IEC-12059-5-96 (R2009)**

*Information technology — International Standardized Profiles — OSI Management — Common information for management functions — Part 5: Event report management*  
(Adopted ISO/IEC ISP 12059-5:1995)

### **CAN/CSA-ISO/IEC-12059-6-96 (R2009)**

*Information technology — International Standardized Profiles — OSI Management — Common information for management functions — Part 6: Log control*  
(Adopted ISO/IEC ISP 12059-6:1995)

### **CAN/CSA-ISO/IEC ISP 12059-13-00 (R2009)**

*Information technology — International Standardized Profiles — OSI Management — Common information for management functions — Part 13: Summarization*  
(Adopted ISO/IEC ISP 12059-13:1996)

### **CAN/CSA-ISO/IEC-12060-1-96 (R2009)**

*Information technology — International Standardized Profiles — OSI Management — Management functions — Part 1: AOM211 — General management capability*  
(Adopted ISO/IEC ISP 12060-1:1995)

### **CAN/CSA-ISO/IEC-12060-2-96 (R2009)**

*Information technology — International Standardized Profiles — OSI Management — Management functions — Part 2: AOM212 — Alarm reporting and state management capabilities* (Adopted ISO/IEC ISP 12060-2:1995)



## Reaffirmed Standards (cont'd)

### **CAN/CSA-ISO/IEC-12060-3-96 (R2009)**

*Information technology — International Standardized Profiles — OSI Management — Management functions — Part 3: AOM213 — Alarm reporting capabilities*  
(Adopted ISO/IEC ISP 12060-3:1995)

### **CAN/CSA-ISO/IEC-12060-4-96 (R2009)**

*Information technology — International Standardized Profiles — OSI Management — Management functions — Part 4: AOM221 — General event report management*  
(Adopted ISO/IEC ISP 12060-4:1995)

### **CAN/CSA-ISO/IEC-12060-5-96 (R2009)**

*Information technology — International Standardized Profiles — OSI Management — Management functions — Part 5: AOM231 — General log control* (Adopted ISO/IEC ISP 12060-5:1995)

### **CAN/CSA-ISO/IEC 12061-1-96 (R2009)**

*Information technology — Open Systems Interconnection — International Standardized Profiles: OSI Distributed Transaction Processing — Part 1: Introduction to the Transaction Processing Profiles* (Adopted ISO/IEC ISP 12061-1:1995)

### **CAN/CSA-ISO/IEC-12061-2-96 (R2009)**

*Information technology — Open Systems Interconnection — International Standardized Profiles: OSI Distributed Transaction Processing — Part 2: Support of OSI TP APDUs*  
(Adopted ISO/IEC ISP 12061-2:1995)

### **CAN/CSA-ISO/IEC-12061-3-96 (R2009)**

*Information technology — Open Systems Interconnection — International Standardized Profiles: OSI Distributed Transaction Processing — Part 3: Support of CCR APDUs*  
(Adopted ISO/IEC ISP 12061-3:1995)

### **CAN/CSA-ISO/IEC-12061-4-96 (R2009)**

*Information technology — Open Systems Interconnection — International Standardized Profiles: OSI Distributed Transaction Processing — Part 4: Support of Session, Presentation and ACSE PDUs* (Adopted ISO/IEC ISP 12061-4:1995)

### **CAN/CSA-ISO/IEC-12061-5-96 (R2009)**

*Information technology — Open Systems Interconnection — International Standardized Profiles: OSI Distributed Transaction Processing — Part 5: Application supported transactions — Polarized control (ATP11)* (Adopted ISO/IEC ISP 12061-5:1995)

### **CAN/CSA-ISO/IEC-12061-6-96 (R2009)**

*Information technology — Open Systems Interconnection — International Standardized Profiles: OSI Distributed Transaction Processing — Part 6: Application supported transactions — Shared control (ATP12)* (Adopted ISO/IEC ISP 12061-6:1995)





## Reaffirmed Standards (cont'd)

### **CAN/CSA-ISO/IEC-12061-7-96 (R2009)**

*Information technology — Open Systems Interconnection — International Standardized Profiles: OSI Distributed Transaction Processing — Part 7: Provider supported unchained transactions — Polarized control (ATP21)* (Adopted ISO/IEC ISP 12061-7:1995)

### **CAN/CSA-ISO/IEC-12061-8-96 (R2009)**

*Information technology — Open Systems Interconnection — International Standardized Profiles: OSI Distributed Transaction Processing — Part 8: Provider supported unchained transactions — Shared control (ATP22)* (Adopted ISO/IEC ISP 12061-8:1995)

### **CAN/CSA-ISO/IEC-12061-9-96 (R2009)**

*Information technology — Open Systems Interconnection — International Standardized Profiles: OSI Distributed Transaction Processing — Part 9: Provider supported chained transactions — Polarized control (ATP31)* (Adopted ISO/IEC ISP 12061-9:1995)

### **CAN/CSA-ISO/IEC-12061-10-96 (R2009)**

*Information technology — Open Systems Interconnection — International Standardized Profiles: OSI Distributed Transaction Processing — Part 10: Provider supported chained transactions — Shared control (ATP32)* (Adopted ISO/IEC ISP 12061-10:1995)

### **CAN/CSA-ISO/IEC ISP 12062-1:04 (R2009)**

*Information technology — International Standardized Profiles AMH2n — Message Handling Systems — Interpersonal Messaging — Part 1: IPM MHS Service Support* (Adopted ISO/IEC ISP 12062-1:2003)

### **CAN/CSA-ISO/IEC ISP 12062-2:04 (R2009)**

*Information technology — International Standardized Profiles AMH2n — Message Handling Systems — Interpersonal Messaging — Part 2: AMH21 — IPM Content* (Adopted ISO/IEC ISP 12062-2:2003)

### **CAN/CSA-ISO/IEC ISP 12062-3:04 (R2009)**

*Information technology — International Standardized Profiles AMH2n — Message Handling Systems — Interpersonal Messaging — Part 3: AMH22 — IPM Requirements for Message Transfer (P1)* (Adopted ISO/IEC ISP 12062-3:2003)

### **CAN/CSA-ISO/IEC ISP 12062-4:04 (R2009)**

*Information technology — International Standardized Profiles AMH2n — Message Handling Systems — Interpersonal Messaging — Part 4: AMH23 and AMH25 — IPM Requirements for MTS Access (P3) and MTS 94 Access (P3)* (Adopted ISO/IEC ISP 12062-4:2003)

### **CAN/CSA-ISO/IEC ISP 12062-5:04 (R2009)**

*Information technology — International Standardized Profiles AMH2n — Message Handling Systems — Interpersonal Messaging — Part 5: AMH24 — IPM Requirements for Enhanced MS Access (P7)* (Adopted ISO/IEC ISP 12062-5:2003)



## Reaffirmed Standards (cont'd)

### **CAN/CSA-ISO/IEC ISP 12062-6:04 (R2009)**

*Information technology — International Standardized Profiles AMH2n — Message Handling Systems — Interpersonal Messaging — Part 6: AMH26 — IPM Requirements for Enhanced MS 94 Access (P7)* (Adopted ISO/IEC ISP 12062-6:2003)

### **CAN/CSA-ISO/IEC ISP 12064-1-00 (R2009)**

*Information technology — International Standardized Profile FOD112 — Open Document Format: Image Applications — Simple Document Structure — Raster Graphics content architecture — Part 1: Document Application Profile (DAP)* (Adopted ISO/IEC ISP 12064-1:1995)

### **CAN/CSA-ISO/IEC ISP 12069-1-00 (R2009)**

*Information technology — International Standardized Profiles ADFnn — Document Filing and Retrieval (DFR) — Part 1: Introduction to the DFR ISP* (Adopted ISO/IEC ISP 12069-1:1996)

### **CAN/CSA-ISO/IEC ISP 12069-3-00 (R2009)**

*Information technology — International Standardized Profiles ADFnn — Document Filing and Retrieval (DFR) — Part 3: ADF11 — Common Document Filing and Retrieval — Read Only Profile* (Adopted ISO/IEC ISP 12069-3:1996)

### **CAN/CSA-ISO/IEC 12087-1-00 (R2009)**

*Information technology — Computer graphics and image processing — Image Processing and Interchange (IPI) — Functional specification — Part 1: Common architecture for imaging* (Adopted ISO/IEC 12087-1:1995)

### **CAN/CSA-ISO/IEC 12087-2-00 (R2009)**

*Information technology — Computer graphics and image processing — Image Processing and Interchange (IPI) — Functional specification — Part 2: Programmer's imaging kernel system application programme interface* (Adopted ISO/IEC 12087-2:1994)

### **CAN/CSA-ISO/IEC 12088-4-00 (R2009)**

*Information technology — Computer graphics and image processing — Image processing and interchange — Application program interface language bindings* (Adopted ISO/IEC 12088-4:1995)

### **CAN/CSA-ISO/IEC 13249-2:04 (R2009)**

*Information technology — Database languages — SQL multimedia and application packages — Part 2: Full-Text* (Adopted ISO/IEC 13249-2:2003)

### **CAN/CSA-ISO/IEC 13249-3:04 (R2009)**

*Information technology — Database languages — SQL multimedia and application packages — Part 3: Spatial* (Adopted ISO/IEC 13249-3:2003)

### **CAN/CSA-ISO/IEC 13249-5:04 (R2009)**

*Information technology — Database languages — SQL multimedia and application packages — Part 5: Still image* (Adopted ISO/IEC 13249-5:2003)



## Reaffirmed Standards (cont'd)

### **CAN/CSA-ISO/IEC 13250:04 (R2009)**

*Information technology — SGML applications — Topic maps*  
(Adopted ISO/IEC 13250:2003)

### **CAN/CSA-ISO/IEC 13522-1-00 (R2009)**

*Information technology — Coding of multimedia and hypermedia information — Part 1: MHEG object representation — Base notation (ASN.1)* (Adopted ISO/IEC 13522-1:1997)

### **CAN/CSA-ISO/IEC 13522-3-00 (R2009)**

*Information technology — Coding of multimedia and hypermedia information — Part 3: MHEG script interchange representation* (Adopted ISO/IEC 13522-3:1997)

### **CAN/CSA-ISO/IEC 13575-96 (R2009)**

*Information technology — Telecommunications and information exchange between systems — 50-pole interface connector mateability dimensions and contact number assignments* (Adopted ISO/IEC 13575:1995)

### **CAN/CSA-ISO/IEC 13614-00 (R2009)**

*Information technology — Interchange on 300 mm optical disk cartridges of the write once, read multiple (WORM) type using the SSF method* (Adopted ISO/IEC 13614:1995)

### **CAN/CSA-ISO/IEC 13712-1-00 (R2009)**

*Information technology — Remote Operations: Concepts, model and notation*  
(Adopted ISO/IEC 13712-1:1995)

### **CAN/CSA-ISO/IEC-13714-96 (R2009)**

*Information technology — Document processing and related communication — User interface to telephone-based services — Voice messaging applications* (Adopted ISO/IEC 13714:1995)

### **CAN/CSA-ISO/IEC 13719-2-00 (R2009)**

*Information technology — Portable Common Tool Environment (PCTE) — Part 2: C programming language binding* (Adopted ISO/IEC 13719-2:1998)

### **CAN/CSA-ISO/IEC 13842-00 (R2009)**

*Information technology — 130 mm optical disk cartridges for information interchange — Capacity: 2 Gbytes per cartridge* (Adopted ISO/IEC 13842:1995)

### **CAN/CSA-ISO/IEC 13865:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Specification, functional model and information flows — Call Transfer supplementary service* (Adopted ISO/IEC 13865:2003)

### **CAN/CSA-ISO/IEC 13870:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Inter-exchange signalling protocol — Call Completion supplementary services* (Adopted ISO/IEC 13870:2003)



## Reaffirmed Standards (cont'd)

### **CAN/CSA-ISO/IEC 13872:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Specification, functional model and information flows — Call Diversion supplementary services (Adopted ISO/IEC 13872:2003)*

### **CAN/CSA-ISO/IEC 13874:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Inter-exchange signalling protocol — Path Replacement additional network feature (Adopted ISO/IEC 13874:2003)*

### **CAN/CSA-ISO/IEC 14496-14:04 (R2009)**

*Information technology — Coding of audio-visual objects — Part 14: MP4 file format (Adopted ISO/IEC 14496-14:2003)*

### **CAN/CSA-ISO/IEC 14568-00 (R2009)**

*Information technology — DXL: Diagram eXchange Language for tree-structured charts (Adopted ISO/IEC 14568:1997)*

### **CAN/CSA-ISO/IEC 14843:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Inter-exchange signalling protocol — Call Offer supplementary service (Adopted ISO/IEC 14843:2003)*

### **CAN/CSA-ISO/IEC 14844:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Inter-exchange signalling protocol — Do Not Disturb and Do Not Disturb Override supplementary services (Adopted ISO/IEC 14844:2003)*

### **CAN/CSA-ISO/IEC 14846:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Inter-exchange signalling protocol — Call Intrusion supplementary service (Adopted ISO/IEC 14846:2003)*

### **CAN/CSA-ISO/IEC 14882:04 (R2009)**

*Programming languages — C++ (Adopted ISO/IEC 14882:2003)*

### **CAN/CSA-ISO/IEC 15050:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Inter-exchange signalling protocol — Advice Of Charge supplementary services (Adopted ISO/IEC 15050:2003)*

### **CAN/CSA-ISO/IEC 15051:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Specification, functional model and information flows — Recall supplementary service (Adopted ISO/IEC 15051:2003)*



## Reaffirmed Standards (cont'd)

### **CAN/CSA-ISO/IEC 15053:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Specification, functional model and information flows — Call Interception additional network feature* (Adopted ISO/IEC 15053:2003)

### **CAN/CSA-ISO/IEC 15054:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Inter-exchange signalling protocol — Call Interception additional network feature* (Adopted ISO/IEC 15054:2003)

### **CAN/CSA-ISO/IEC 15429:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Inter-exchange signalling protocol — Wireless Terminal Location Registration supplementary service and Wireless Terminal Information exchange additional network feature* (Adopted ISO/IEC 15429:2003)

### **CAN/CSA-ISO/IEC 15431:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Inter-exchange signalling protocol — Wireless terminal call handling additional network features* (Adopted ISO/IEC 15431:2003)

### **CAN/CSA-ISO/IEC 15433:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Inter-exchange signalling protocol — Wireless Terminal Authentication supplementary services* (Adopted ISO/IEC 15433:2003)

### **CAN/CSA-ISO/IEC 15444-5:04 (R2009)**

*Information technology — JPEG 2000 image coding system: Reference software*  
(Adopted ISO/IEC 15444-5:2003)

### **CAN/CSA-ISO/IEC 15444-6:04 (R2009)**

*Information technology — JPEG 2000 image coding system — Part 6: Compound image file format* (Adopted ISO/IEC 15444-6:2003)

### **CAN/CSA-ISO/IEC 15504-2:04 (R2009)**

*Information technology — Process assessment — Part 2: Performing an assessment*  
(Adopted ISO/IEC 15504-2:2003)

### **CAN/CSA-ISO/IEC 15505:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Specification, functional model and information flows — Message Waiting Indication supplementary service* (Adopted ISO/IEC 15505:2003)

### **CAN/CSA-ISO/IEC 15693-1:04 (R2009)**

*Identification cards — Contactless integrated circuit(s) cards — Vicinity cards — Part 1: Physical characteristics* (Adopted ISO/IEC 15693-1:2000)



## Reaffirmed Standards (cont'd)

### **CAN/CSA-ISO/IEC 15772:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Inter-exchange signalling protocol — Common Information additional network feature* (Adopted ISO/IEC 15772:2003)

### **CAN/CSA-ISO/IEC 15802-1-96 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Common specifications — Part 1: Medium Access Control (MAC) service definition* (Adopted ISO/IEC 15802-1:1995)

### **CAN/CSA-ISO/IEC 15802-2-00 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Common specifications — Part 2: LAN/MAN management* (Adopted ISO/IEC 15802-2:1995)

### **CAN/CSA-ISO/IEC-15802-4-96 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Common specifications — Part 4: System load protocol* (Adopted ISO/IEC 15802-4:1994)

### **CAN/CSA-ISO/IEC 15938-5:04 (R2009)**

*Information technology — Multimedia content description interface — Part 5: Multimedia description schemes* (Adopted ISO/IEC 15938-5:2003)

### **CAN/CSA-ISO/IEC 15938-6:04 (R2009)**

*Information technology — Multimedia content description interface — Part 6: Reference software* (Adopted ISO/IEC 15938-6:2003)

### **CAN/CSA-ISO/IEC TR 15942:04 (R2009)**

*Information technology — Programming languages — Guide for the use of the Ada programming language in high integrity systems* (Adopted ISO/IEC TR 15942:2000)

### **CAN/CSA-ISO/IEC 15991:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Specification, functional model and information flows — Call Priority Interruption and Call Priority Interruption Protection supplementary services* (Adopted ISO/IEC 15991:2003)

### **CAN/CSA-ISO/IEC 15992:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Inter-exchange signalling protocol — Call Priority Interruption and Call Priority Interruption Protection supplementary services* (Adopted ISO/IEC 15992:2003)

### **CAN/CSA-ISO/IEC 16023:04 (R2009)**

*Information technology — International symbology specification — MaxiCode* (Adopted ISO/IEC 16023:2000)



## Reaffirmed Standards (cont'd)

### **CAN/CSA-ISO/IEC 16382:04 (R2009)**

*Information technology — Data interchange on 12,7 mm 208-track magnetic tape cartridges — DLT 6 format (Adopted ISO/IEC 16382:2000)*

### **CAN/CSA-ISO/IEC 16485:04 (R2009)**

*Information technology — Mixed Raster Content (MRC) (Adopted ISO/IEC 16485:2000)*

### **CAN/CSA-ISO/IEC 17309:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Mapping functions for the employment of a circuit mode basic service and the supplementary service user-to-user signalling as a pair of on-demand inter-PINX connections (Adopted ISO/IEC 17309:2000)*

### **CAN/CSA-ISO/IEC 17310:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Mapping functions for the employment of 64 kbit/s circuit mode connections with 16 kbit/s sub-multiplexing (Adopted ISO/IEC 17310:2000)*

### **CAN/CSA-ISO/IEC 17311:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Mapping functions for the employment of 64 kbit/s circuit mode connections with 8 kbit/s sub-multiplexing (Adopted ISO/IEC 17311:2000)*

### **CAN/CSA-ISO/IEC 17462:04 (R2009)**

*Information technology — 3,81 mm wide magnetic tape cartridge for information interchange — Helical scan recording — DDS-4 format (Adopted ISO/IEC 17462:2000)*

### **CAN/CSA-ISO/IEC 17875:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Specification, functional model and information flows — Private User Mobility (PUM) — Registration supplementary service (Adopted ISO/IEC 17875:2000)*

### **CAN/CSA-ISO/IEC 17876:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Inter-exchange signalling protocol — Private User Mobility (PUM) — Registration supplementary service (Adopted ISO/IEC 17876:2003)*

### **CAN/CSA-ISO/IEC 17877:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Specification, functional model and information flows — Private User Mobility (PUM) — Call handling additional network features (Adopted ISO/IEC 17877:2000)*



## Reaffirmed Standards (cont'd)

### **CAN/CSA-ISO/IEC 17878:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Inter-exchange signalling protocol — Private User Mobility (PUM) — Call handling additional network features*  
(Adopted ISO/IEC 17878:2003)

### **CAN/CSA-ISO/IEC 17913:04 (R2009)**

*Information technology — 12,7mm 128-track magnetic tape cartridge for information interchange — Parallel serpentine format* (Adopted ISO/IEC 17913:2000)

### **CAN/CSA-ISO/IEC 18014-3:04 (R2009)**

*Information technology — Security techniques — Time-stamping services — Part 3: Mechanisms producing linked tokens* (Adopted ISO/IEC 18014-3:2004)

### **CAN/CSA-ISO/IEC TR 18016:04 (R2009)**

*Information technology — Message Handling Systems (MHS): Interworking with Internet e-mail* (Adopted ISO/IEC TR 18016:2003)

### **CAN/CSA-ISO/IEC 18019:04 (R2009)**

*Software and system engineering — Guidelines for the design and preparation of user documentation for application software* (Adopted ISO/IEC 18019:2004)

### **CAN/CSA-ISO/IEC 18036:04 (R2009)**

*Information technology — Icon symbols and functions for World Wide Web browser toolbars*  
(Adopted ISO/IEC 18036:2003)

### **CAN/CSA-ISO/IEC 18052:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Protocol for Computer Supported Telecommunications Applications (CSTA) Phase III* (Adopted ISO/IEC 18052:2000)

### **CAN/CSA-ISO/IEC TR 18053:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Glossary of definitions and terminology for Computer Supported Telecommunications Applications (CSTA) Phase III* (Adopted ISO/IEC TR 18053:2000)

### **CAN/CSA-ISO/IEC TR 18057:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Using ECMA-323 (CSTA XML) in a Voice Browser Environment*  
(Adopted ISO/IEC TR 18057:2004)

### **CAN/CSA-ISO/IEC 19500-2:04 (R2009)**

*Information technology — Open Distributed Processing — Part 2: General Inter-ORB Protocol (GIOP)/Internet Inter-ORB Protocol (IIOP)* (Adopted ISO/IEC 19500-2:2003)

### **CAN/CSA-ISO/IEC TR 19758:04 (R2009)**

*Information technology — Document description and processing languages — DSSSL library for complex compositions* (Adopted ISO/IEC TR 19758:2003)





## Reaffirmed Standards (cont'd)

### **CAN/CSA-ISO/IEC TR 19760:04 (R2009)**

*Systems engineering — A guide for the application of ISO/IEC 15288 (System life cycle processes)*  
(Adopted ISO/IEC TR 19760:2003)

### **CAN/CSA-ISO/IEC 20926:04 (R2009)**

*Software engineering — IFPUG 4.1 Unadjusted functional size measurement method — Counting practices manual* (Adopted ISO/IEC 20926:2003)

### **CAN/CSA-ISO/IEC TR 20943-1:04 (R2009)**

*Information technology — Procedures for achieving metadata registry content consistency — Part 1: Data elements* (Adopted ISO/IEC TR 20943-1:2003)

### **CAN/CSA-ISO/IEC 21992:04 (R2009)**

*Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Mapping functions for the tunnelling of QSIG through IP networks* (Adopted ISO/IEC 21992:2003)

### **CAN/CSA-ISO/IEC 23651:04 (R2009)**

*Information technology — 8 mm wide magnetic tape cartridge for information interchange — Helical scan recording — AIT-3 format* (Adopted ISO/IEC 23651:2003)

### **CAN/CSA-ISO/IEC 90003:04 (R2009)**

*Software engineering — Guidelines for the application of ISO 9001:2000 to computer software*  
(Adopted ISO/IEC 90003:2004)

### **CAN/CSA-Z243.183-89 (R2009)**

*Information processing systems — Open Systems Interconnection — File Transfer, Access and Management — Part 4: File Protocol Specification* (Adopted ISO 8571-4:1988)



## Completed Projects / Projets terminés

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### Modifications publiées en français

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#### CAN/CSA-O122-06

##### *Bois de charpente lamellé-collé*

Des modifications ont été apportées à la table des matières, aux articles 3, 5.2.1.1, 5.2.1.10, 5.2.3 et 6.2.2. Les articles 5.2.3.1 à 5.2.3.3 et les tableaux 4A et 5A ont été ajoutés.

## 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.

Effective Date	Subject	Title
October 1, 2009	Revised requirements for the acceptance of non-CSA certified gas, electrical, and plumbing products in recreational vehicles, park model trailers, mobile homes, and modular homes. (Supersedes Building Products No. 14 & 14A / Recreational Vehicles No. 28 & 28A.)	Building Products No. 14B / Recreational Vehicles No. 28B
June 1, 2010	Publication of CSA B137 Series-05, <i>Thermoplastic Pressure Pipe Compendium</i> .	Plumbing Products No. 193



## **Completed Projects / Projets terminés**

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

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#### **C22.2 No. 187-09, 3rd edition**

*Electrostatic Air Cleaners*

PDF only ..... \$150

This standard applies to the following:

- electrostatic air cleaners intended to remove dust and dirt from the air and intended for general indoor residential and commercial use
- air ionizer type air cleaners
- other similar ionizing equipment.

This standard does not apply to electrostatic air cleaners for use in hazardous locations or in atmospheres defined as hazardous by the *Canadian Electrical Code, Part I*.

This standard does not apply to air cleaners designed to remove particles other than dust and dirt normally found in heating and ventilating systems.

The requirements of this standard apply to cord-connected and permanently connected equipment operating at nominal supply voltages up to 600 V, single-phase or polyphase, in accordance with the Rules of the *Canadian Electrical Code, Part I*.

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### **Amendments**

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#### **CAN/CSA-C22.2 No. 5-02 (R2007)**

*Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker Enclosures* (tri-national standard with UL 489, tenth edition, and NMX-J-266-ANCE, third edition.)

Revision of the title page, the copyright page, the preface, and Clause 7.1.4.1.6.

#### **CAN/CSA-C22.2 No. 18.4-04 (R2009)**

*Hardware for the Support of Conduit, Tubing, and Cable* (bi-national standard with UL 2239, first edition)

Revision of the title page, the copyright page, the table of contents, the preface, and Clauses 2.2, 5.1.3, 6.4.5.1, 6.4.5.4, 6.8.2, 7.2.1, and 10.8. Addition of Clause 3.7A. Deletion of the CSA and UL Forewords, and Clause 6.4.5.3.

#### **CAN/CSA-C22.2 No. 60745-2-11A-04 (R2008)**

*Amendment 1:2009 to CAN/CSA-C22.2 No. 60745-2-11-04, “Hand-held motor-operated electric tools — Safety — Part 2-11: Particular requirements for reciprocating saws (jig and sabre saws)”* (bi-national standard with UL 60745-2-11, second edition, Amendment 1. Adopted Amendment 1:2008 to IEC 60745-2-11:2002, second edition, with Canadian/US national deviations.)

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This document provides revisions to CAN/CSA-C22.2 No. 60745-2-11-04.



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## Modifications publiées en français

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### **CAN/CSA-C22.2 n° 5-02 (C2007)**

*Disjoncteurs à boîtier moulé et enveloppe de disjoncteurs* (norme trinationale comprenant la dixième édition de la norme UL 489 et la troisième édition de la norme NMX-J-266-ANCE.)

Des modifications ont été apportées à la page titre, à la page des droits d’auteur, à la préface et à l’article 7.1.4.1.6.

### **CAN/CSA-C22.2 n° 18.4-04 (C2009)**

*Quincaillerie de soutien pour conduits, tubes et câbles* (norme binationale comprenant la première édition de la norme UL 2239)

Des modifications ont été apportées à la page titre, à la table des matières, à la préface et aux articles 2.2, 5.1.3, 6.4.5.1, 6.4.5.4, 6.8.2, 7.2.1 et 10.8. L’article 3.7A a été ajouté. L’avant-propos (CSA), l’avant-propos (UL) et l’article 6.4.5.3 ont été abrogés.

### **CAN/CSA-C22.2 n° 107.2-01 (C2007)**

*Chargeurs d’accumulateurs*

Des modifications ont été apportées à la table des matières, aux articles 4.2.5.4, 4.2.5.10, 4.4.2.4, 6.17.2.1, 9.4.5.4, 9.4.5.6 et 9.4.7.1 et à la figure 3.1 Les articles 4.2.5.11, 4.2.5.12, 9.2.3 et 9.2.8.3 et la figure 4 ont été abrogés.

Cette norme est offerte en format PDF seulement.

### **CAN/CSA-C22.2 n° 60745-2-11A-04 (C2008)**

*Modification 1:2009 à la norme CAN/CSA-C22.2 n° 6745-2-11-04, « Outils électroportatifs à moteur — Sécurité — Partie 2-11 : Règles particulières pour les scies alternatives (scies sauteuses et scies sabres) »* (norme binationale comprenant la deuxième édition de la norme UL 60745-2-11. Amendement 1:2008 à la norme CEI 60745-2-11:2003, deuxième édition, adoptée avec les exigences propres au Canada et aux États-Unis.)

PDF seulement ..... 30 \$

Ce document modifie la CAN/CSA-C22.2 n° 60745-2-11-04.

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## Reaffirmed Standards

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### **C22.2 No. 127-99 (R2009)**

*Equipment and Lead Wires*

### **CAN/CSA-C61000-2-2:04 (R2009)**

*Electromagnetic compatibility (EMC) — Part 2-2: Environment — Compatibility levels for low-frequency conducted disturbances and signalling in public low-voltage power supply systems* (Adopted CEI/IEC 61000-2-2:2002, second edition, with Canadian deviations)

**Reaffirmed Standards (cont'd)**

**CAN/CSA-C61000-2-7:04 (R2009)**

*Electromagnetic compatibility (EMC) — Part 2: Environment — Section 7: Low frequency magnetic fields in various environments* (Adopted CEI/IEC 61000-2-7:1998, first edition, with Canadian deviations)

**CAN/CSA-CEI/IEC 61000-2-8:04 (R2009)**

*Electromagnetic compatibility (EMC) — Part 2-8: Environment — Voltage dips and short interruptions on public electric power supply systems with statistical measurement results* (Adopted CEI/IEC 61000-2-8:2002, first edition, without modification)

**CAN/CSA-C61000-2-12:04 (R2009)**

*Electromagnetic compatibility (EMC) — Part 2-12: Environment — Compatibility levels for low-frequency conducted disturbances and signalling in public medium-voltage power supply systems* (Adopted CEI/IEC 61000-2-12:2003, first edition, with Canadian deviations)

**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>
July 1, 2009	Publication of CSA standard CAN/CSA-E60691:08, <i>Thermal-Links — Requirements and Application Guide</i> (Adopted CEI/IEC 60691:2002, third edition, including Amendment 1:2006, with Canadian deviations).	Signal Sensing and Controls No. 5
December 15, 2009	Publication of Update No. 2 to CSA standard C22.2 No. 227.2.1-04, <i>Liquid-Tight Flexible Nonmetallic Conduit</i> (bi-national standard with UL 1660).	Conduit No. 22
December 31, 2009	Publication of Update No. 4 to CSA standard C22.2 No. 42-99, <i>General Use Receptacles, Attachment Plugs and Similar Wiring Devices</i> . Ground Fault Circuit Interrupter (GFCI) devices, combined with receptacles having tamper resistant feature, CSA certified to the CSA standard C22.2 No. 144.1 shall comply with the new test requirements and new marking requirements of Update No. 4 to CSA standard C22.2 No. 42-99.	Ground Fault Circuit Interrupters No. 7

**Certification Notices (cont'd)**

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
December 31, 2009	Publication of Update No. 4 to CSA standard C22.2 No. 42-99, <i>General Use Receptacles, Attachment Plugs and Similar Wiring Devices.</i>	Wiring Devices No. 56
December 31, 2009	Publication of Update No. 2 to CSA standard C22.2 No. 130-03, <i>Requirements for Electrical Resistance Heating Cables and Heating Device Sets.</i> (Supersedes Wiring Devices No. 37.)	Wiring Devices No. 37A
January 1, 2010	Publication of the second edition of CSA standard CAN/CSA-C681-06, <i>Performance of Self-Ballasted Compact Fluorescent lamps and Ballasted Adapters.</i>	Verification Service Announcement No. 35
January 5, 2010	Publication of CSA standard C22.2 No. 45.2-08, <i>Electrical Rigid Metal Conduit — Aluminum, Red Brass, and Stainless Steel</i> (bi-national standard with UL 6A, 2nd edition).	Conduit No. 23
March 10, 2010	Publication of Update No. 2 to CSA standard C22.2 No. 243-01, <i>Vacuum Cleaners, Blower Cleaners and Household Floor Finishing Machines</i> (bi-national standard with UL 1017).	Vacuum Cleaners and Blower Cleaners No. 9
March 31, 2010	Publication of Amendments to UL 1059, <i>Terminal Blocks.</i> (Supersedes Wiring Devices No. 40.)	Wiring Devices No. 40A
April 1, 2010	Publication of CSA standard C22.2 No. 250.7-07, <i>Extra-low-voltage Landscape Lighting Systems.</i> (Supersedes Lighting Products No. 34.)	Lighting Products No. 52
May 31, 2010	Transfer of existing certifications of shielded and concentric neutral power cables to CSA standard C68.5-05, <i>Primary Shielded and Concentric Neutral Cable for Distribution Utilities.</i>	Wire and Cable No. 142
May 31, 2010	Publication of CSA standard C68.10-08, <i>Shielded Power Cable for Commercial and Industrial Applications, 5-46 KV.</i>	Wire and Cable No. 139
May 31, 2010	Extension of effective date for CSA standard CAN/CSA-C22.2 No. 42.1-00, <i>Cover Plates for Flush-Mounted Wiring Devices</i> (bi-national standard with UL 514D).	Wiring Devices No. 39A

**Certification Notices (cont'd)**

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
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
July 1, 2010	Publication of Update No. 2 to CSA standard C22.2 No. 62.1-03, <i>Nonmetallic Surface Raceways and Fittings</i> (bi-national standard with UL5A).	Raceways and Fittings No. 7
September 17, 2010 (existing certifications)	Publication of CSA standard C22.2 No. 250.0-08, <i>Luminaires</i> (bi-national standard with UL 1598, 3rd edition). (Supersedes Lighting Products No. 35, 35A, and 47.)	Lighting Products No. 53
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
February 28, 2011	Publication of CSA standard C22.2 No. 52-09, <i>Underground Secondary and Service-Entrance Cables</i> .	Wire and Cable No. 143
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, with Canadian deviations).	Programmable Controllers No. 1
May 1, 2012	Publication of bi-national standard CSA C22.2 No. 66-06 Series and UL 5085 Series, <i>Low Voltage Transformers</i> .	Transformers No. 6
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. Adopted IEC 60335-2-24:2002, sixth edition, with national deviations).	Household Refrigerators and Freezers No. 3



## **Completed Projects / Projets terminés**

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### **Formal Interpretations**

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The following interpretation regarding CSA standard **N286.7**, *Quality Assurance of Analytical, Scientific and Design Computer Programs for Nuclear Power Plants*, has been approved by the N286 Technical Committee on Overall Quality Assurance for Nuclear Power Plants.

**Question:** Does N286.7 apply to users?

**Answer:** Yes, however, the extent of the applicability of N286.7 is directly related to the scope of work.

The following interpretation regarding CSA standard **N285.4-05**, Clause 7.1.4.1, has been approved by the Technical Committee on Periodic Inspections of CANDU Nuclear Power Plant Components.

**Question:** Is the intent of Clause 7.1.4.1 that the value of RSM is equal to the highest ratio of  $(PL + Pb + Pe + Q) / (3 \cdot Sm)$  for all ASME Level A and B service loadings, where PL, Pb, Pe, and Q are defined in NB-3210, Section III of the ASME Boiler and Pressure Vessel Code?

**Answer:** Yes. This is one acceptable means of satisfying the intent of Clause 7.1.4.1.





## Environment

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

## Completed Projects / Projets terminés

### Amendments

#### ANSI Z21.56-2006/CSA 4.7-2006

*Erratum to "Gas-Fired Pool Heaters"*

This document provides revisions to ANSI Z21.56-2006/CSA 4.7-2006.

#### ANSI Z21.58a-2008/CSA 1.6a-2008

*Erratum to Addenda A to "Outdoor Cooking Gas Appliances"*

This document provides revisions to ANSI Z21.58a-2008/CSA 1.6a-2008.

#### ANSI Z83.7a-2007/CSA 2.14a-2007

*Erratum to Addenda A to "Gas-Fired Construction Heaters"*

This document provides revisions to ANSI Z83.7a-2007/CSA 2.14a-2007.

## Certification and Testing (CSA International)

### Certification Notices

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

Effective Date	Subject	Title
August 3, 2009	Publication of ANSI NGV 2-2007, <i>Compressed Natural Gas Vehicle Fuel Containers</i> .	Gas Products No. 147
December 1, 2009	Publication of addenda ANSI Z21.89a-2008/CSA 1.18a-2008, <i>Outdoor Cooking Specialty Gas Appliances</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.89-2007/CSA 1.18-2007.	Gas Products No. 183
December 1, 2009	Publication of CAN/CSA-C22.2 No. 62282-2:07, <i>Fuel cell technologies — Part 2: Fuel cell modules</i> (adopted CEI/IEC 62282-2:2004, first edition, with Canadian deviations).	Gas Products No. 178
December 1, 2009	Publication of ANSI Z21.58a/CSA 1.6a-2008, <i>Outdoor Cooking Gas Appliances</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.58-2007/CSA 1.6-2007.	Gas Products No. 177



### Certification Notices (cont'd)

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
December 1, 2009	Publication of addenda ANSI Z83.18b-2008, <i>Re-circulating Direct Gas-Fired Industrial Air Heaters</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z83.18-2004 and Z83.18a-2005.	Gas Products No. 167



## **Completed Projects / Projets terminés**

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

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#### **Z96-09, 2nd edition**

*High-visibility safety apparel*

Paper.....	\$70
PDF .....	\$60

This standard specifies requirements for occupational apparel that can signal the user’s presence visually, and that is intended to make the user conspicuous in hazardous situations under any light conditions and under illumination by vehicle headlights.

Performance requirements are included for colour, retroreflection, and minimum areas, as well as for the configuration of the materials. Performance requirements are also provided for the physical properties of background materials used in the construction of high-visibility safety apparel (referred to as “HVSA” in this standard). Test methods are provided to ensure that a minimum level of visibility is maintained when garments are subjected to ongoing care procedures.

This standard provides performance requirements for conspicuous materials to be used in HVSA and specifies classes of garments, minimum areas, and placement of these materials.

This standard specifies minimum amounts of retroreflective materials, together with colour and requirements for placement of materials, for apparel used to enhance the visibility and safety of workers. Categories of high-visibility garments are identified and appropriate markings for apparel are recommended.

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### **Reaffirmed Standards**

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#### **CAN/CSA-Z248-04 (R2009)**

*Code for Tower Cranes*

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### **Formal Interpretations**

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The following request for interpretation regarding Clause 12.2 of CSA standard CAN/CSA Z614-07, *Children’s Playspaces and Equipment*, has been approved by the Technical Committee on Children’s Playspaces and Equipment.

The Head Entrapment clauses in CAN/CSA Z614-07 and their application to climbing nets were reviewed by the Technical Committee

**Question:** In Clause 12.2, is the Head Probe to be manipulated into the opening before the 222.41 N (50lb force) is applied?

**Answer:** No.



## ***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>
July 1, 2009	Publication of ANSI/ASSE Z359.1-2007, <i>Safety Requirements for Personal Fall Arrest Systems, Subsystems and Components.</i>	Occupational Health and Safety Products No. 52
July 1, 2009	Publication of Update TIA 06-1 to NFPA 1983, <i>Standard on Life Safety Rope and Equipment for Emergency Services</i> (2006 edition).	Occupational Health and Safety Products No. 53



## **Quality/ Business Management**

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



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