



CANADIAN STANDARDS  
ASSOCIATION

## INFO UPDATE

# ***Communications/Information***

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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 It contains important information about new and existing standards, e.g., recently published standards, and withdrawn standards.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.

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## Completed Projects / Projets terminés

### New Standards – New Editions – Special Publications

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

#### **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*

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## Modifications publiées en français

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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)*