

# **INFO UPDATE**

**Volume 3    May 2001**

**Issue date: May 8, 2001**

**Deadline for comments: June 7, 2001**

## Info Update on the web

You can now view and print *Info Update* from the Canadian Standards Association Web site. To see issues from March/April 2001 onward, go to <http://www.csa.ca>.

Until December 2001, you will have access to the online version of *Info Update* and also will continue to receive a print copy in the mail. The traditional print version of *Info Update* will be discontinued after the December 2001 issue. However, CSA Sustaining or Corporate Sustaining Members will have the option of requesting a print copy of the online version.

If you have any questions or concerns about this transition, please contact Member Services by phone at 416-747-4316, or by e-mail at [member@csa.ca](mailto:member@csa.ca).

## Winnipeg CAP meeting

The Winnipeg Community Advisory Panel met on Tuesday March 6, 2001 to discuss **high visibility apparel**. This form of safety clothing is intended to provide high visibility in both light and dark conditions. The meeting was attended by 40 panel members and local guests that included representatives from utilities, police departments, fire departments, and transportation organizations.

The participants reviewed the new CSA draft standard Z96-01, *High Visibility Apparel*. Some of the recommendations made at the meeting are summarized below:

- The standard should cover life-span/durability issues. For example, how can the user know whether the apparel is still effective?
- The draft standard specifies that the apparel must stand up to temperatures as low as -20°C. This temperature is not appropriate for the Canadian climate and may need to be lowered.

- The standard should address the apparel's ability to withstand blood-borne pathogens, chemical agents and solvents.
- The fixed location of stripes could be a problem—especially for the utility sector, where harnesses and gloves are often necessary.
- A third-party certification and testing of high visibility apparel would be helpful. Test criteria/approvals would help buyers with purchase decisions.
- Videos should be used to promote the use of high visibility apparel and the standard.
- A user guide that contains information for users about all Personal Protective Equipment (PPE) would be helpful. This could include a section on high visibility apparel.

The Winnipeg Panel is a diverse group of stakeholders from the Occupational Health and Safety constituency who provide user input to CSA's Occupational Health and Safety Program.

The panel's next meeting will take place on **September 11, 2001**.

For a copy of the meeting report, including the presentations and recommendations, please contact Consumer Services at 416-747-4099 or e-mail [Consumer\\_Services@csa.ca](mailto:Consumer_Services@csa.ca).

## For more information ...

For more information about the activities of CSA's Consumer and Member Services, please contact:

### Jeanne Bank

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or [Consumer\\_Services@csa.ca](mailto:Consumer_Services@csa.ca)



# Gas Equipment

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## New Standards & Editions

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**CAN/CSA-6.19-01, 2nd edition**  
*Residential Carbon Monoxide Alarming Devices* . . \$250

This standard applies to electrically operated single- and multiple-station carbon monoxide (CO) alarm devices for ordinary indoor residential areas. Examples of such areas include dwelling units, recreational vehicles and mobile homes, unconditioned areas, health care facilities, nursing homes, or other institutional residences. The standard also applies to remote accessories that may be connected to or are intended to be used with a single- or multiple-station CO alarm.

**ANSI Z21.10.1a-2000/CSA 4.1a-2000**  
*First Addenda to "Gas Water Heaters Volume I, Storage Water Heaters with Input Ratings of 75,000 Btu Per Hour or Less"* . . . . . \$85

This document provides revisions to ANSI Z21.10.1-1998/CSA 4.1-M98. It replaces the U.S.-only ANSI Z21.10.1a-2000.

**ANSI Z21.13-2000/CSA 4.9-2000, 1st edition**  
*Gas-Fired Low Pressure Steam and Hot Water Boilers* . . . . . \$405

This standard details test and examination criteria for Category I, II, III and IV low-pressure steam and hot water boilers for use with natural, manufactured and mixed gases, liquefied petroleum (LP) gases and LP gas-air mixtures. Boilers covered operate at or below the following pressures or temperatures:

- steam heating boiler: 15 psi (103.42 kPa) steam pressure
- hot water heating or supply boiler: 160 psi (1.10 MPa) water pressure, 250° F (121° C) water temperature.

The standard also covers such boilers equipped with automatic flue damper or vent damper devices. It replaces ANSI Z21.13-1991, Z21.13a-1993, Z21.13b-1994, CGA 3.3-1976, and CGA 4.9-1969.

**ANSI Z21.78-2000/CSA 6.20-2000, 2nd edition**  
*Combination Gas Controls for Gas Appliances* . . . \$345

This standard details test and examination criteria for combination gas controls for gas appliances that have a maximum operating gas pressure of 1/2 psi (3.45 kPa). A "combination gas control" is an assembly of two or more different functions, at least one of which conveys gas in a single unit without the use of pipe nipples.

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## Proposed New Projects

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For more information about the following proposed new edition, contact Colvin Barrigar at 416-747-4035 or colvin.barrigar@csa.ca:

- **CSA 3.1, 4th edition**  
*Industrial and Commercial Gas Fired Package Boilers*

For more information about the following proposed new edition, contact Shelley Van Sickle at 416-747-2281 or shelley.vansickle@csa.ca:

- **CSA P.4.1, 1st edition**  
*Testing Method for Measuring Annual Fireplace Efficiency*

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## Drafts

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

**Please note:** Public comments about draft materials listed in this issue are due by June 7, 2001.

To receive copies of the following, or to offer comments, contact Susan Taylor at 416-747-4001 or susan.taylor@csa.ca:

- **CSA 12.2, new edition**  
*Propane Fuel System Components for Use on Highway Vehicles*

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## Proposed Withdrawal of Standards

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For more information about the following proposed withdrawal, contact Colvin Barrigar at 416-747-4035 or colvin.barrigar@csa.ca:

- **CGA 3.3-1976 (R1999)**  
*Industrial and Commercial Gas-Designed Atmospherically-Fired Vertical Flue Boilers and Hot Water Supply Heaters* (This standard will be superseded by the new CSA 4.9/ANSI Z21.13.)

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## Reaffirmed Standards

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**CAN1-3.1-77 (R1996)**  
*Industrial and Commercial Gas Fired Package Boilers*



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## Status of CSA Standards Projects

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**TYPE:** ns *new standard*; ne *new edition*; spec *special publication*; p *preliminary standard*.

**STATUS:** 1 *The project is under initial evaluation.*

2 *The technical content is being drafted.*

3 *The draft is undergoing an internal quality audit by CSA.*

4 *The publication is being processed for formal letter-ballot approval.*

5 *The approved publication will be for sale within 2–3 months.*

H *The publication is on hold.*

C *The publication has been cancelled. It will be removed from the next status report.*

| SUBJECT  | NUMBER             | TYPE | STATUS |
|--|--------------------|------|--------|
| <b>Food Processing and Food Refrigeration</b>  |                    |      |        |
| Domestic Gas Ranges  | 1.1                | ne   | 5      |
| Gas-Fired Refrigerators  | 1.4/ANSI Z21.19    | ns   | 5      |
| Outdoor Cooking Gas Appliances   | 1.6/ANSI Z21.58    | ne   | 2      |
| Gas Food Service Equipment   | 1.8/ANSI Z83.11    | ne   | 2      |
| Outdoor Cooking Specialty Gas Appliances   | 1.18/ANSI Z21.89   | ne   | 2      |
| <b>Gas-Fired Domestic and Commercial Heating Equipment and Air Conditioning</b>  |                    |      |        |
| Gas-Fired Construction Heaters   | 2.14/ANSI Z83.7    | ne   | 5      |
| Gas-Fired Low-Intensity Infrared Heaters   | 2.34/ANSI Z83.20   | ns   | 5      |
| Gas-Fired High-Intensity Infrared Heaters  | 2.35/ANSI Z83.19   | ns   | 5      |
| <b>Large Input Commercial and Industrial Equipment (over 400,000 Btuh)</b>   |                    |      |        |
| Recirculating Direct Gas-Fired Industrial Air Heaters<br>(Note: This document will first be published as a U.S. document; the harmonized document is on hold.) | 3.18/ANSI Z83.18   | ns   | 4/H    |
| <b>Accessories</b>   |                    |      |        |
| Service Regulators   | 6.18               | ne   | 2      |
| Residential Carbon Monoxide Detectors and Alarms   | 6.19               | ne   | 5      |
| Gas Convenience Outlets  | 6.24/ANSI Z21.90   | ns   | 5      |
| <b>Portable-Type Camping Equipment</b>   |                    |      |        |
| Portable-Type Camp Stoves  | 11.2/ANSI Z21.72   | ns   | 4      |
| Portable-Type Camp Refrigerators   | 11.4/ANSI Z21.74   | ns   | 2      |
| <b>Natural Gas and Propane Vehicle Fuel Systems and Industrial Engines</b>   |                    |      |        |
| Natural Gas Vehicle Fueling Station Compressor Guidelines  | 12.8/ANSI 4.8      | ns   | 4      |
| Fuel Cell Power Plants (Note: This document has been published as a U.S. document; the harmonized document is on hold.)  | 12.10/ANSI Z21.83  | ns   | H      |
| Automatic Pressure Operated Valves for Natural Gas Dispensing Systems  | 12.57/ANSI NGV 4.7 | ns   | 4      |
| <b>Performance Test Methods</b>  |                    |      |        |
| Testing Method for Measuring Annual Fireplace Efficiency   | P.4.1              | ne   | 2      |
| Testing Method for Determining the Efficiency of Home Heating Equipment  | P.4.2              | ns   | 2      |



## New Standards & Editions

### B354.2-01, 2nd edition

*Self-Propelled Elevating Work Platforms* . . . . . \$60

This standard applies to self-propelled integral chassis elevated work platforms that have a platform that cannot be positioned completely beyond the base. The platforms covered are used to position personnel, along with their necessary tools and materials, at work locations. Self-propelled elevating work platforms (aerial platforms) are power operated with primary functions, including drive, controlled from the platform. This standard also applies to aerial platforms for both on-slab and off-slab applications.

This standard specifies the minimum requirements for the design, manufacture, remanufacture, rebuild/recondition, testing, performance, inspection, training, maintenance, and safe operation of self-propelled elevating work platforms.

### B651.1-01, 1st edition

*Barrier-Free Design for Automated Banking Machines* . . . . . \$35

This standard defines accessibility requirements for automated banking machines (ABMs) and ABM sites.

It describes technical requirements that apply to the design and manufacture of wall-mounted and stand-alone ABMs and to ABM sites, excluding drive-through ABMs.

### CAN/CSA-C22.2 No. 60601-2-8-01, 2nd edition (bilingual)

*Medical Electrical Equipment—Part 2-8: Particular Requirements for the Safety of Therapeutic X-Ray Equipment Operating in the Range 10 kV to 1 MV (Adopted CEI/IEC 60601-2-8 (1987) plus Amendment 1:1997, edition 1.1)* . . . . . \$175

This standard applies to therapeutic X-ray equipment with nominal X-ray tube voltages in the range 10 kV to 1 MV when connected to alternating current supply mains. It establishes safety requirements, including the requirement for accuracy and reproducibility of performance, to the extent that these are related to radiation quality and the quantity of ionizing radiation produced and thus must be considered as aspects of safety.

This standard must be used with IEC 60601-1 (1988) and its amendments 1 and 2.

### CAN/CSA-M3767-1-01, 2nd edition

*Tractors, Machinery for Agriculture and Forestry, Powered Lawn and Garden Equipment—Symbols for Operator Controls and Other Displays—Part 1: Common Symbols (Adopted ISO 3767-1:1998, 3rd edition)* . . . . . \$100

This standard establishes the common symbols for operator controls and other displays on tractors and machinery for agriculture and forestry, and powered lawn and garden equipment as defined in ISO 3339-0 and ISO 5395.

### Z259.12-01, 1st edition

*Connecting Components for Personal Fall Arrest Systems (PFAS)* . . . . . \$60

This standard sets out design and performance requirements, test methods, and requirements for marking and labelling individual connecting components used as part of a personal fall arrest system.

### Z314.1-01, 4th edition

*Ethylene Oxide Sterilizers for Health Care Facilities* \$40

This standard applies to ethylene oxide sterilizers that have automatic controls and are intended for general-purpose use in health care facilities. It includes minimum construction, performance, testing, and labelling requirements. The purpose is both to ensure that the environment in the sterilizing chamber is potentially effective in sterilizing products, and to ensure the safety of personnel using the equipment.

### Z314.2-01, 4th edition

*Effective Sterilization in Health Care Facilities by the Ethylene Oxide Process* . . . . . \$65

This standard outlines essential elements in a program for using ethylene oxide to sterilize products in health care facilities, in order to ensure adequate sterility and to minimize the risk of injury to patients and staff. This standard applies to all sterilization processes that use an ethylene oxide sterilizer in accordance with CSA standards Z314.1 and Z314.9.

### Z314.3-01, 4th edition

*Effective Sterilization in Health Care Facilities by the Steam Process* . . . . . \$65

This standard outlines essential elements for using steam to sterilize medical devices in health care facilities, in order to ensure adequate sterility and minimize the risk of injury to the equipment operators.



## New Standards & Editions (cont'd)

### Z314.9-01, 2nd edition

*Installation, Ventilation, and Safe Use of Ethylene Oxide Sterilizers in Health Care Facilities* . . . . . \$75

This standard is intended to help health care facilities meet government regulations on exposure and worker safety regarding:

- using ethylene oxide gas as a sterilant
- installing new ethylene oxide sterilization equipment
- modifying existing equipment.

This standard addresses basic issues associated with the safe use or operation of ethylene oxide sterilizers.

This standard includes installation and ventilation design criteria and performance specifications for ethylene oxide sterilization areas, aeration areas, and container handling and storage areas.

### Z314.13-01, 2nd edition

*Recommended Standard Practices for Emergency (Flash) Sterilization* . . . . . \$45

This standard provides recommended practices for emergency sterilization in health care facilities. In this standard, “emergency sterilization” is synonymous with “flash sterilization” and sterilization by the “unwrapped method.”

### Z317.10-01, 2nd edition

*Handling of Waste Materials in Health Care Facilities and Veterinary Health Care Facilities* . . . . . \$75

This standard specifies requirements for the segregation, packaging, collection, movement, storage, and on-site treatment of waste materials within health care facilities and veterinary health care facilities. It may also apply to other facilities.

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## Nouvelles parutions en français

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### CAN/CSA-C22.2 n° 60601-2-8-01, 2<sup>e</sup> édition (bilingue)

*Appareils électromédicaux—Partie 2-8 : Règles particulières de sécurité pour les équipements à rayonnement X de thérapie fonctionnant dans la gamme de 10 kV à 1 MV (norme CEI/IEC 60601-2-8 (1987) et amendement 1:1997 adoptés, édition 1.1 (1999))* . . . . . 175 \$

Cette norme particulière s'applique aux équipements à rayonnement X de thérapie fonctionnant à des hautes tensions nominales comprises entre 10 kV et 1 MV quand ils sont reliés à un réseau d'alimentation fournissant du courant alternatif. Cette norme établit des prescriptions de sécurité pour les équipements à rayonnement X de thérapie y compris celles relatives à la précision et à la reproductibilité des caractéristiques dans la mesure où celle-ci sont la relation avec la qualité de rayonnement et les grandeurs liées au rayonnement ionisant émis et où elles doivent donc être considérées comme des aspects de la sécurité.

Cette norme doit être lue conjointement avec CEI 60601-1 (1988) et ses amendements 1 et 2.

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## Amendments

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**Note:** The following two adopted amendments to M3767.2-97 are available only with the purchase of the standard. They are not available separately.

### CAN/CSA-M3767.2-97, Amendment 2:2001

*Tractors, Machinery for Agriculture and Forestry, Powered Lawn and Garden Equipment—Symbols for Operator Controls and Other Displays—Part 2:*

*Symbols for Agricultural Tractors and Machinery.*

*Amendment 2: “Additional Symbols”* (Adopted Amendment 2:2001 to ISO 3767-2:1991)

### CAN/CSA-M3767.2-97, Amendment 3:2001

— *Amendment 3:2001* (Adopted Amendment 3:2001 to ISO 3767-2:1991)

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## Modifications publiées en français

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**Note.** Les deux amendements suivants sont offerts uniquement avec l'achat de la norme. Ils ne sont pas disponibles séparément.

### CAN/CSA-M3767.2-97, Amendement 2:2001

*Tracteurs, matériels agricoles et forestiers, matériel à moteur pour jardins et pelouses—Symboles pour les commandes de l'opérateur et autres indications—*

*Partie 2 : Symboles pour tracteurs et machines agricoles.*

*Amendement 2 : “Symboles supplémentaires”* (norme ISO 3767-2:1991, amendement 2:2001 adoptée)

### CAN/CSA-M3767.2-97, Amendement 3:2001

— *Amendement 3:2001* (norme ISO 3767-2:1991, amendement 3:2001 adoptée)

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## Drafts

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**Please note:** Public comments about draft standards and proposed amendments listed in this issue are due by June 7, 2001.

To receive copies of the following draft standard, or to offer comments, contact Paul Levine at 416-747-4172 or paul.levine@csa.ca:

- **B340, 4th edition**

*Selection and Use of Cylinders, Spheres, Tubes, and Other Containers for the Transportation of Dangerous Goods, Class 2*



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## Proposed New Projects

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For more information about the proposed development of the following new publication, contact Nancy Bestic at 416-747-2710 or nancy.bestic@csa.ca:

- **Z317.13, 1st edition**  
*Infection Control Considerations During Construction/Renovation of Health Care Facilities*

For more information about the proposed development of the following new publication, contact Paul Levine at 416-747-4172 or paul.levine@csa.ca:

- **PLUS 1161, 1st edition**  
*Carrier Safety Management System (CSMS) Essentials*

For more information about the proposed development of the following new publication, contact Steve Paniri at 416-747-4118 or steve.paniri@csa.ca:

- **B44.1/ASME A17.5, new edition**  
*Elevator and Escalator Electrical Equipment*

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

- **Z94.3.1, 1st edition**  
*Selection, Use, and Care Guide for Eye and Face Protection*
- **Z195.1, 1st edition**  
*Selection, Use, and Care Guide for Protective Footwear*

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## Reaffirmed Standards

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- CAN/CSA-C22.2 No. 601-2-1-92 (R2001)  
*Medical Electron Accelerators in the Range 1 MeV to 50 MeV*
- CAN/CSA-C22.2 No. 601-2-2-92 (R2001)  
*High Frequency Surgical Equipment*
- CAN/CSA-C22.2 No. 601-2-3-92 (R2001)  
*Short-Wave Therapy Equipment*
- CAN/CSA-C22.2 No. 601-2-7-92 (R2001)  
*High-Voltage Generators of Diagnostic X-Ray Generators*
- CAN/CSA-C22.2 No. 601-2-8-92 (R2001)  
*Therapeutic X-Ray Generators*
- CAN/CSA-C22.2 No. 601-2-9-92 (R2001)  
*Dosimeters Used in Radiotherapy with Electrically Connected Radiation Detectors*
- CAN/CSA-C22.2 No. 601-2-11-92 (R2001)  
*Gamma Beam Therapy Equipment*
- CAN/CSA-C22.2 No. 601-2-16-92 (R2001)  
*Haemodialysis Equipment*
- CAN/CSA-C22.2 No. 601-2-18-92 (R2001)  
*Endoscopic Equipment*
- CAN/CSA-C22.2 No. 601-2-19-92 (R2001)  
*Baby Incubators*
- CAN/CSA-C22.2 No. 601-2-20-92 (R2001)  
*Transport Incubators*
- CAN/CSA-Z256-M87 (R2001)  
*Safety Code for Material Hoists*

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## Proposed Reaffirmation of Standards

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For more information about the proposed reaffirmation of the following standards, contact Brian Weir at 416-747-4363 or brian.weir@csa.ca:

- **CAN/CSA-M424.3-M90 (R1996)**  
*Braking Performance—Rubber-Tired, Self-Propelled Underground Mining Machines*
- **CAN/CSA-M427-M91 (R1996)**  
*Fire-Performance and Antistatic Requirements for Ventilation Materials*



## Certification Notices

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

| Effective Date  | Subject   | Title  |
|-----------------|---|--|
| July 30, 2001   | Publication of CSA's Z94.3-99 (5th edition), <i>Industrial Eye and Face Protectors</i> .  | Occupational Health and Safety Products No. 37 |
| January 1, 2003 | Publication of standards on <i>Medical Electrical Equipment</i> : CAN/CSA-C22.2 No. 601.1.3-98, No. 601.1.1S1-94, and No. 601.2.21, .23, .27, .31, .32, .33, and .34. (Products may be evaluated to these standards now.) | Health Care Equipment No. 11                   |

## Status of CSA Standards Projects

**TYPE:** ns *new standard*; ne *new edition*; spec *special publication*; p *preliminary standard*.

**STATUS:** 1 *The project is under initial evaluation.*

2 *The technical content is being drafted.*

3 *The draft is undergoing an internal quality audit by CSA.*

4 *The publication is being processed for formal letter-ballot approval.*

5 *The approved publication will be for sale within 2–3 months.*

H *The publication is on hold.*

C *The publication has been cancelled. It will be removed from the next status report.*

| SUBJECT  | NUMBER       | TYPE | STATUS |
|--|--------------|------|--------|
| <b>Health Care Technology</b>  |              |      |        |
| Application of Auditory and Visual Medical Devices   | ISO 9703-3   | ns   | 2      |
| Pressure Regulators and Pressure Regulators with Flow-Metering Devices for Medical Gas Systems   | ISO 10524    | ns   | 3      |
| Biological Evaluation of Medical Devices—Part 15: Identification and Quantification of Degradation Products from Metals and Alloys   | ISO 10993-15 | ns   | 3      |
| Medical Electrical Equipment—Particular Requirements for Safety of Medical Supply Units  | ISO 11197    | ns   | 3      |
| Sterilization of Health Care Products—General Requirements for Characterization of a Sterilizing Agent and the Development, Validation, and Routine Control of a Sterilization Process | ISO 14937    | ns   | 5      |
| Flow-Metering Devices for Connection to Terminal Units of Medical Gas Pipeline Systems   | ISO 15002    | ns   | 3      |
| Medical Devices—Symbols to Be Used with Medical Device Labels, Labelling and Information to Be Supplied  | ISO 15223    | ns   | H      |
| Disinfectants  | Z314.11      | ns   | H      |
| Selection and Use of Rigid Sterilization Containers  | Z314.14      | ne   | 2      |
| Special Requirements for Heating, Ventilation, Air Conditioning (HVAC) Systems in HCF  | Z317.2       | ne   | 4      |
| Laser Safety in Health Care Facilities   | Z386         | ne   | 4      |
| Transportable Mobility Aids  | Z604         | ne   | 3      |
| Mobility Aid Securement and Occupant Restraint Systems   | Z605         | ne   | 3      |
| Safety of Tissues and Organs for Transplantation   | Z900.1       | ns   | 1      |
| Safety of Tissues for Transplantation  | Z900.2.1     | ns   | 1      |
| Safety of Reproductive Tissues for Transplantation   | Z900.2.2     | ns   | 1      |





| <b>SUBJECT</b>  | <b>NUMBER</b> | <b>TYPE</b> | <b>STATUS</b> |
|---|---------------|-------------|---------------|
| Safety of Perfusable Organs for Transplantation   | Z900.2.3      | ns          | 1             |
| Safety of Ocular Tissues for Transplantation  | Z900.2.4      | ns          | 1             |
| Safety of Hematopoietic Cells for Transplantation   | Z900.2.5      | ns          | 1             |
| Nonflammable Medical Gas Pipeline Systems—Part 1: Pipelines for Compressed Medical Gases and Vacuum                     | Z7396.1       | ns          | 2             |
| Nonflammable Medical Gas Pipeline Systems—Part 2: Pipelines for Anaesthetic Gas Scavenging Disposal Systems             | Z7396.2       | ns          | 3             |
| <b>Mechanical Industrial Equipment</b>  |               |             |               |
| Elevator Safety Code (Bi-national)  | B44/A17.1     | ne          | 4             |
| Safety Code for Manlifts  | B311          | ne          | 1             |
| Selection and Use of Cylinders, Spheres, Tubes, and Other Containers for the Transportation of Dangerous Goods, Class 2 | B340          | ne          | 1             |
| <b>Community and Personal Issues</b>  |               |             |               |
| Barrier-Free Design   | B651          | ne          | 1             |
| Dimensions for Facially-Featured Headforms  | Z262.6        | ns          | 4             |
| Racquet Sports Eye Protection   | Z400          | ns          | 3             |
| <b>Occupational Health and Safety</b>   |               |             |               |
| Industrial Lift Truck Operator Training   | B335          | ne          | 2             |
| Elevating Rolling Work Platforms  | B354.1        | ne          | 1             |
| Boom-Type Elevating Work Platforms  | B354.4        | ne          | 1             |
| Mast Climbers   | B354.5        | ns          | 1             |
| Lighting and Marking of Agricultural Field Equipment on Highways  | M669          | ne          | 2             |
| Agricultural Tractors—Operator's Seating Accommodation—Dimensions   | M4253         | ns          | H             |
| Chain Saws  | Z62.1         | ne          | 2             |
| Health and Safety Code for Suspended Equipment Operations   | Z91           | ne          | 2             |
| Hearing Protection  | Z94.2         | ne          | 3             |
| Eyewear User Guide  | Z94.3.1       | spec        | 2             |
| Selection, Use, and Care of Respirators   | Z94.4         | ne          | 2             |
| High-Visibility Safety Apparel  | Z96           | ns          | 2             |
| Code for Punch Press and Brake Press Operation: Health, Safety, and Guarding Requirements                               | Z142          | ne          | 2             |
| Protective Footwear   | Z195          | ne          | 2             |
| Footwear User Guide   | Z195.1        | spec        | 2             |
| Design of Double Girder Electric Overhead Travelling Cranes   | Z202          | ns          | H             |
| Code for Tower Cranes   | Z248          | ne          | 2             |
| Flexible Horizontal Lifelines   | Z259.13       | ns          | 2             |
| Fall Restrict Equipment for Wood Pole Climbing  | Z259.14       | ns          | 4             |
| Hyperbaric Facilities   | Z275.1        | ne          | 2             |
| Safety Code for Diving Operations   | Z275.2        | ne          | 2             |
| Competency Standard for Diving Operations   | Z275.4        | ne          | 2             |
| Riot Helmets and Faceshields  | Z611          | ne          | 2             |



# Electrical/Electronics

## New Standards & Editions

**PLUS 2203 HAZLOC-01, 3rd edition**  
*Hazardous Locations: Guide for the Design, Testing, Construction, and Installation of Equipment in Explosive Atmospheres* . . . . . \$60

This new edition contains the most up-to-date information on hazardous locations, based on Canadian, U.S., European and international standards in this field. This edition also includes new sections on field bus intrinsic safety, fibre optics and fuel cells.

**C22.2 No. 0.3-01, 6th edition**  
*Test Methods for Electrical Wires and Cables* . . . . \$145

This standard describes apparatus, test methods, and formulas to use in carrying out the tests and calculations required by the Canadian Standards Association's electrical wire and cable standards. The acceptance requirements for any particular type of wire or cable are contained in the standard relating to that type.

The following new standards were developed by the International Electrotechnical Commission (IEC), and have been adopted by CSA.

**CAN/CSA-E60335-2-16-01, 2nd edition (bilingual)**  
*Safety of Household and Similar Electrical Appliances—Part 2-16: Particular Requirements for Food Waste Disposers* (Adopted CEI/IEC 60335-2-16 (1994), 4th edition, with modifications) . . . . . \$40

**CAN/CSA-E60335-2-26-01, 2nd edition (bilingual)**  
 — *Part 2-26: Particular Requirements for Clocks* (Adopted CEI/IEC 60335-2-26 (1994), 3rd edition, with modifications) . . . . . \$35

**CAN/CSA-E60335-2-27-01, 2nd edition (bilingual)**  
 — *Part 2-27: Particular Requirements for Appliances for Skin Exposure to Ultraviolet and Infrared Radiation* (Adopted CEI/IEC 60335-2-27 (1995), 3rd edition, including Amendment 1:2000, with modifications) . . . . . \$65

**CAN/CSA-E60335-2-28-01, 2nd edition (bilingual)**  
 — *Part 2-28: Particular Requirements for Sewing Machines* (Adopted CEI/IEC 60335-2-28 (1994), 3rd edition, with modifications) . . . . . \$40

**CAN/CSA-E60335-2-29-01, 2nd edition (bilingual)**  
 — *Part 2-29: Particular Requirements for Battery Chargers* (Adopted CEI/IEC 60335-2-29 (1994), 3rd edition, with modifications) . . . . . \$45

**CAN/CSA-E60335-2-30-01, 2nd edition (bilingual)**  
 — *Part 2-30: Particular Requirements for Room Heaters* (Adopted CEI/IEC 60335-2-30 (1996), 3rd edition, including Amendment 1:1999, with modifications) . . . . . \$80

**CAN/CSA-E60335-2-34-01, 2nd edition (bilingual)**  
 — *Part 2-34: Particular Requirements for Motor-compressors* (Adopted CEI/IEC 60335-2-34 (1999), 3rd edition, with modifications) . . . . . \$80

**CAN/CSA-E60335-2-40-01, 2nd edition (bilingual)**  
 — *Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-conditioners and Dehumidifiers* (Adopted CEI/IEC 60335-2-40 (1995), 3rd edition, including Amendment 1:2000, with modifications) . . . . . \$95

**CAN/CSA-E60335-2-41-01, 2nd edition (bilingual)**  
 — *Part 2-41: Particular Requirements for Pumps for Liquids Having a Temperature Not Exceeding 35 Degrees Celsius* (Adopted CEI/IEC 60335-2-41 (1996), 2nd edition, including Amendment 1:2000, with modifications) . . . . . \$45

**CAN/CSA-E60335-2-43-01, 2nd edition (bilingual)**  
 — *Part 2-43: Particular Requirements for Clothes Dryers and Towel Rails* (Adopted CEI/IEC 60335-2-43 (1995), 2nd edition, with modifications) . . . . . \$40

**CAN/CSA-E60335-2-45-01, 2nd edition (bilingual)**  
 — *Part 2-45: Particular Requirements for Portable Heating Tools and Similar Appliances* (Adopted CEI/IEC 60335-2-45 (1996), 2nd edition, with modifications) . . . . . \$60

**CAN/CSA-E60335-2-54-01, 2nd edition (bilingual)**  
 — *Part 2-54: Particular Requirements for Surface-cleaning Appliances Employing Liquids* (Adopted CEI/IEC 60335-2-54 (1995), 2nd edition, including Amendment 1:1999, with modifications) . . . . . \$40

**CAN/CSA-E60335-2-58-01, 2nd edition (bilingual)**  
 — *Part 2-58: Particular Requirements for Commercial Electric Dishwashing Machines* (Adopted CEI/IEC 60335-2-58 (1995), 2nd edition, including Amendment 1:1998, with modifications) . . . . . \$80

**CAN/CSA-E60335-2-62-01, 2nd edition (bilingual)**  
 — *Part 2-62: Particular Requirements for Commercial Electric Rinsing Sinks* (Adopted CEI/IEC 60335-2-62 (1996), 2nd edition, including Amendment 1:1998, with modifications) . . . . . \$60

**CAN/CSA-E60335-2-67-01, 2nd edition (bilingual)**  
 — *Part 2-67: Particular Requirements for Floor Treatment and Floor Cleaning Machines, for Industrial and Commercial Use* (Adopted CEI/IEC 60335-2-67 (1997), 2nd edition, including Amendment 1:2000, with modifications) . . . . . \$55



**CAN/CSA-E60335-2-68-01, 2nd edition (bilingual)**  
 — *Part 2-68: Particular Requirements for Spray Extraction Appliances, for Industrial and Commercial Use* (Adopted CEI/IEC 60335-2-68 (1996), 2nd edition, including Amendment 1:2000, with modifications) . . . . . \$60

**CAN/CSA-E60335-2-69-01, 2nd edition (bilingual)**  
 — *Part 2-69: Particular Requirements for Wet and Dry Vacuum Cleaners, Including Power Brush, for Industrial and Commercial Use* (Adopted CEI/IEC 60335-2-69 (1997), 2nd edition, including Amendment 1:2000, with modifications) . . . . . \$95

**CAN/CSA-CEI/IEC 61000-4-2-01, 1st edition (bilingual)**  
*Electromagnetic Compatibility (EMC)—Part 4-2: Testing and Measurement Techniques—Electrostatic Discharge Immunity Test* (Adopted CEI/IEC 61000-4-2 (1995), edition 1.1, including Amendment 1:1998) . . . . . \$95

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 — *Part 4-3: Radiated, Radio-Frequency, Electromagnetic Field Immunity Test* (Adopted CEI/IEC 61000-4-3 (1995), edition 1.1, including Amendment 1:1998) . . . . . \$105

**CAN/CSA-CEI/IEC 61000-4-4-01, 1st edition (bilingual)**  
 — *Part 4-4: Electrical Fast Transient/Burst Immunity Test—Basic EMC Publication* (Adopted CEI/IEC 61000-4-4 (1995), 1st edition) . . . . . \$85

**CAN/CSA-CEI/IEC 61000-4-5-01, 1st edition (bilingual)**  
 — *Part 4-5: Surge Immunity Test* (Adopted CEI/IEC 61000-4-5 (1995), 1st edition) . . . . . \$105

**CAN/CSA-CEI/IEC 61000-4-6-01, 1st edition (bilingual)**  
 — *Part 4-6: Immunity to Conducted Disturbances, Induced by Radio-Frequency Fields* (Adopted CEI/IEC 61000-4-6 (1996), 1st edition) . . . . . \$115

**CAN/CSA-CEI/IEC 61000-4-11-01, 1st edition (bilingual)**  
 — *Part 4-11: Voltage Dips, Short Interruptions and Voltage Variations Immunity Tests* (Adopted CEI/IEC 61000-4-11 (1994), 1st edition) . . . . . \$75

**CAN/CSA-CEI/IEC 61000-4-12-01, 1st edition (bilingual)**  
 — *Part 4-12: Oscillatory Waves Immunity Test—Basic EMC Publication* (Adopted CEI/IEC 61000-4-12 (1995), 1st edition) . . . . . \$115

**CAN/CSA-CEI/IEC 61000-4-14-01, 1st edition (bilingual)**  
 — *Part 4-14: Voltage Fluctuation Immunity Test* (Adopted CEI/IEC 61000-4-14 (1999), 1st edition) . . . . . \$45

**CAN/CSA-CEI/IEC 61000-4-28-01, 1st edition (bilingual)**  
 — *Part 4-28: Variation of Power Frequency, Immunity Test* (Adopted CEI/IEC 61000-4-28 (1999), 1st edition) . . . . . \$45

## Nouvelles parutions en français

Les nouvelles normes qui suivent ont été élaborées par la Commission Électrotechnique Internationale (CEI) et adoptées par la CSA.

**CAN/CSA-E60335-2-16-01, 2<sup>e</sup> édition (bilingue)**  
*Sécurité des appareils électrodomestiques et analogues—Partie 2-16 : Règles particulières pour les broyeurs de déchets* (norme CEI/IEC 60335-2-16 (1994), 4<sup>e</sup> édition, adoptée avec modifications) . . . . . 40 \$

**CAN/CSA-E60335-2-26-01, 2<sup>e</sup> édition (bilingue)**  
 — *Partie 2-26 : Règles particulières pour les horloges* (norme CEI/IEC 60335-2-26 (1994), 3<sup>e</sup> édition, adoptée avec modifications) . . . . . 35 \$

**CAN/CSA-E60335-2-27-01, 2<sup>e</sup> édition (bilingue)**  
 — *Partie 2-27 : Règles particulières pour les appareils d'exposition de la peau aux rayonnements ultraviolets et infrarouges* (norme CEI/IEC 60335-2-27 (1995), 3<sup>e</sup> édition, et amendement 1:2000, adoptés avec modifications) . . . . . 65 \$

**CAN/CSA-E60335-2-28-01, 2<sup>e</sup> édition (bilingue)**  
 — *Partie 2-28 : Règles particulières pour les machines à coudre* (norme CEI/IEC 60335-2-28 (1994), 3<sup>e</sup> édition, adoptée avec modifications) . . . . . 40 \$

**CAN/CSA-E60335-2-29-01, 2<sup>e</sup> édition (bilingue)**  
 — *Partie 2-29 : Règles particulières pour les chargeurs de batterie* (norme CEI/IEC 60335-2-29 (1994), 3<sup>e</sup> édition, adoptée avec modifications) . . . . . 45 \$

**CAN/CSA-E60335-2-30-01, 2<sup>e</sup> édition (bilingue)**  
 — *Partie 2-30 : Règles particulières pour les appareils de chauffage des locaux* (norme CEI/IEC 60335-2-30 (1996), 3<sup>e</sup> édition, et amendement 1:2000, adoptés avec modifications) . . . . . 80 \$

**CAN/CSA-E60335-2-34-01, 2<sup>e</sup> édition (bilingue)**  
 — *Partie 2-34 : Règles particulières pour les motocompresseurs* (norme CEI/IEC 60335-2-34 (1999), 3<sup>e</sup> édition, adoptée avec modifications) . . . . . 80 \$

**CAN/CSA-E60335-2-40-01, 2<sup>e</sup> édition (bilingue)**  
 — *Partie 2-40 : Règles particulières pour les pompes à chaleur électriques, les climatiseurs et les déshumidificateurs* (norme CEI/IEC 60335-2-40 (1995), 3<sup>e</sup> édition, et amendement 1:2000, adoptés avec modifications) . . . . . 95 \$



## Nouvelles parutions (suite)

CAN/CSA-E60335-2-41-01, 2<sup>e</sup> édition (bilingue)  
— *Partie 2-41 : Règles particulières pour les pompes pour liquides dont la température ne dépasse pas 35 degrés Celsius* (norme CEI/IEC 60335-2-41 (1996), 2<sup>e</sup> édition, et amendement 1:2000, adoptés avec modifications) . . . . . 45 \$

CAN/CSA-E60335-2-43-01, 2<sup>e</sup> édition (bilingue)  
— *Partie 2-43 : Règles particulières pour les appareils de séchage du linge et les sèche-serviettes* (norme CEI/IEC 60335-2-43 (1995), 2<sup>e</sup> édition, adoptée avec modifications) . . . . . 40 \$

CAN/CSA-E60335-2-45-01, 2<sup>e</sup> édition (bilingue)  
— *Partie 2-45 : Règles particulières pour les outils chauffants mobiles et appareils analogues* (norme CEI/IEC 60335-2-45 (1996), 2<sup>e</sup> édition, adoptée avec modifications) . . . . . 60 \$

CAN/CSA-E60335-2-54-01, 2<sup>e</sup> édition (bilingue)  
— *Partie 2-54 : Règles particulières pour les appareils de nettoyage des surfaces, utilisant des liquides* (norme CEI/IEC 60335-2-54 (1994), 2<sup>e</sup> édition, et amendement 1:1999, adoptés avec modifications) . . . . . 40 \$

CAN/CSA-E60335-2-58-01, 2<sup>e</sup> édition (bilingue)  
— *Partie 2-58 : Règles particulières pour les lave-vaisselle électriques à usage collectif* (norme CEI/IEC 60335-2-58 (1995), 2<sup>e</sup> édition, et amendement 1:1998, adoptés avec modifications) . . . . . 80 \$

CAN/CSA-E60335-2-62-01, 2<sup>e</sup> édition (bilingue)  
— *Partie 2-62 : Règles particulières pour les plonges électriques à usage collectif* (norme CEI/IEC 60335-2-62 (1996), 2<sup>e</sup> édition, et amendement 1:1998, adoptés avec modifications) . . . . . 60 \$

CAN/CSA-E60335-2-67-01, 2<sup>e</sup> édition (bilingue)  
— *Partie 2-67 : Règles particulières pour les machines de traitement et de nettoyage des sols, à usage industriel et commercial* (norme CEI/IEC 60335-2-67 (1997), 2<sup>e</sup> édition, et amendement 1:2000, adoptés avec modifications) . . . . . 55 \$

CAN/CSA-E60335-2-68-01, 2<sup>e</sup> édition (bilingue)  
— *Partie 2-68 : Règles particulières pour les appareils de nettoyage par pulvérisation et aspiration, à usage industriel et commercial* (norme CEI/IEC 60335-2-68 (1996), 2<sup>e</sup> édition, et amendement 1:2000, adoptés avec modifications) . . . . . 60 \$

CAN/CSA-E60335-2-69-01, 2<sup>e</sup> édition (bilingue)  
— *Partie 2-69 : Règles particulières pour les aspirateurs fonctionnant en présence d'eau ou à sec, y compris les brosses motorisées, à usage industriel et commercial* (norme CEI/IEC 60335-2-69 (1997), 2<sup>e</sup> édition, et amendement 1:2000, adoptés avec modifications) 95 \$

CAN/CSA-CEI/IEC 61000-4-2-01, 1<sup>re</sup> édition (bilingue)  
*Compatibilité électromagnétique (CEM)—Partie 4-2 : Techniques d'essai et de mesure—Essai d'immunité aux décharges électrostatiques* (norme CEI/IEC 61000-4-2 (1995) et amendement 1:1998 adoptés, édition 1.1) . . . . . 95 \$

CAN/CSA-CEI/IEC 61000-4-3-01, 1<sup>re</sup> édition (bilingue)  
— *Partie 4-3 : Essai d'immunité aux champs électromagnétiques rayonnés aux fréquences radioélectriques* (norme CEI/IEC 61000-4-3 (1995) et amendement 1:1998 adoptés, édition 1.1) . . . 105 \$

CAN/CSA-CEI/IEC 61000-4-4-01, 1<sup>re</sup> édition (bilingue)  
— *Partie 4-4 : Essai d'immunité aux transitoires électriques rapides en salves—Publication fondamentale en CEM* (norme CEI/IEC 61000-4-4 (1995) adoptée, 1<sup>re</sup> édition) . . . . . 85 \$

CAN/CSA-CEI/IEC 61000-4-5-01, 1<sup>re</sup> édition (bilingue)  
— *Partie 4-5 : Essai d'immunité aux ondes de choc* (norme CEI/IEC 61000-4-5 (1995) adoptée, 1<sup>re</sup> édition) . . . . . 105 \$

CAN/CSA-CEI/IEC 61000-4-6-01, 1<sup>re</sup> édition (bilingue)  
— *Partie 4-6 : Immunité aux perturbations conduites, induites par les champs radioélectriques* (norme CEI/IEC 61000-4-6 (1996) adoptée, 1<sup>re</sup> édition) . . . . . 115 \$

CAN/CSA-CEI/IEC 61000-4-11-01, 1<sup>re</sup> édition (bilingue)  
— *Partie 4-11 : Essais d'immunité aux creux de tension, coupures brèves et variations de tension* (norme CEI/IEC 61000-4-11 (1994) adoptée, 1<sup>re</sup> édition) 75 \$

CAN/CSA-CEI/IEC 61000-4-12-01, 1<sup>re</sup> édition (bilingue)  
— *Partie 4-12 : Essai d'immunité aux ondes oscillatoires—Publication fondamentale en CEM* (norme CEI/IEC 61000-4-12 (1995) adoptée, 1<sup>re</sup> édition) . . . . . 115 \$

CAN/CSA-CEI/IEC 61000-4-14-01, 1<sup>re</sup> édition (bilingue)  
— *Partie 4-14 : Essai d'immunité aux fluctuations de tension* (norme CEI/IEC 61000-4-14 (1999) adoptée, 1<sup>re</sup> édition) . . . . . 45 \$

CAN/CSA-CEI/IEC 61000-4-28-01, 1<sup>re</sup> édition (bilingue)  
— *Partie 4-28 : Essai d'immunité à la variation de la fréquence d'alimentation* (norme CEI/IEC 61000-4-28 (1999) adoptée, 1<sup>re</sup> édition) . . . . . 45 \$



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## Proposed New Projects

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

- **C22.2 No. 141, 3rd edition**  
*Unit Equipment for Emergency Lighting*

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

- **C22.2 No. 4, 7th edition**  
*Enclosed Switches*
- **C22.2 No. 94, 5th edition**  
*Special Purpose Enclosures*

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## Drafts

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**Please note:** Public comments about draft standards and proposed amendments listed in this issue are due by June 7, 2001.

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

- **C22.2 No. 0.15, 3rd edition**  
*Adhesive Labels*
- **C22.2 No. 18.3, 1st edition**  
*Conduit and Cable Fittings*
- **C22.2 No. 55-M1986 (R1999), Proposed amendments**  
*Special Use Switches*  
Proposed revision of Clause 1.2.
- **C22.2 No. 107.1, 3rd edition**  
*General Use Power Supplies*

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## Informs Notices (Bulletins from CSA Certification and Testing)

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| Date             | Subject  | Title                   |
|------------------|--|-------------------------|
| January 31, 2001 | Amendment of CSA standard CAN/CSA-C22.2 No. 96-98, <i>Portable Power Cables</i> . (Supersedes Informs “Wire and Cable No. 82.” Supplements Informs “Wire and Cable No. 79.”) | Wire and Cable No. 91   |
| March 9, 2001    | Publication of CAN/CSA-C22.2 No. 18-98, <i>Outlet Boxes, Conduit Boxes, Fittings and Associated Hardware</i> , and of an Amendment (June 2000) to the same standard.         | Wiring Devices No. 18   |
| March 30, 2001   | Publication of CAN/CSA-E60974-1-00, <i>Arc Welding Equipment—Part 1: Welding Power Sources</i> .   | Welding Equipment No. 3 |



## Certification Notices

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

| Effective Date    | Subject   | Title                                      |
|-------------------|---|--|
| July 31, 2001     | Publication of Technical Information Letter (TIL) No. A-26, covering interim certification requirements for surface raceway systems rated 300 V and greater.  | Wiring Devices No. 19                      |
| August 31, 2001   | Publication of TIL No. N-31, covering interim certification requirements for cord flexing test in portable appliances. (Supersedes Certification Notice "Vacuum Cleaners and Blower Cleaners No. 7.") | Vacuum Cleaners and Blower Cleaners No. 7A |
| November 30, 2001 | Publication of TIL No. B-58B, covering interim certification requirements for landscape lighting systems. (Supersedes "Lighting Products No. 18A.")   | Lighting Products No. 34                   |
| June 1, 2002      | Publication of CAN/CSA-C22.2 No. 745-1 and -2 ( <i>Portable Electric Tools</i> ), and CAN/CSA-C22.2 No. 745-3 and -4 ( <i>Portable Battery-Operated Tools</i> ).                                      | Electrical Tools No. 6                     |

## Status of CSA Standards Projects

**TYPE:** ns *new standard*; ne *new edition*; spec *special publication*; p *preliminary standard*.

**STATUS:** 1 *The project is under initial evaluation.*

2 *The technical content is being drafted.*

3 *The draft is undergoing an internal quality audit by CSA.*

4 *The publication is being processed for formal letter-ballot approval.*

5 *The approved publication will be for sale within 2–3 months.*

H *The publication is on hold.*

C *The publication has been cancelled. It will be removed from the next status report.*

| SUBJECT  | NUMBER            | TYPE | STATUS |
|--|-------------------|------|--------|
| <b>Wiring Products</b>   |                   |      |        |
| Conduit and Cable Fittings   | C22.2 No. 18.3    | ns   | 3      |
| Wire-Positioning Devices   | C22.2 No. 18.5    | ns   | 3      |
| Lampholders  | C22.2 No. 43      | ne   | 1      |
| Flexible Cords and Cables  | C22.2 No. 49      | ne   | 2      |
| Non-metallic Surface Raceways                                      | C22.2 No. 62.1    | ns   | 3      |
| Thermoplastic-Insulated Wires and Cables (Tri-national standard)   | C22.2 No. 75      | ne   | 3      |
| Non-metallic Cable Tray Systems                                    | C22.2 No. 126.2   | ns   | 3      |
| Type TECK 90 Cable   | C22.2 No. 131     | ne   | 3      |
| Plugs, Receptacles and Cable Connectors of the Pin and Sleeve Type | C22.2 No. 182.1   | ne   | 3      |
| Liquid-Tight Flexible Nonmetallic Conduit                          | C22.2 No. 227.2.1 | ns   | 3      |
| Flexible Non-metallic Tubing                                       | C22.2 No. 227.3   | ne   | 1      |
| <b>Industrial Products</b>   |                   |      |        |
| Adhesive Labels  | C22.2 No. 0.15    | ne   | 3      |
| Enclosed Switches  | C22.2 No. 4       | ne   | 1      |
| Moulded Circuit Breakers   | C22.2 No. 5.1     | ne   | 4      |



| <b>SUBJECT</b>   | <b>NUMBER</b>   | <b>TYPE</b> | <b>STATUS</b> |
|--|-----------------|-------------|---------------|
| Panelboards and Enclosed Panelboards                   | C22.2 No. 29    | ne          | 3             |
| Switchgear Assemblies                                  | C22.2 No. 31    | ne          | H             |
| General Use Power Supplies                             | C22.2 No. 107.1 | ne          | 4             |
| Battery Chargers                                       | C22.2 No. 107.2 | ne          | 3             |
| Safety of Uninterruptible Power Supplies (UPS)–Part 1  | C22.2 No. 107.3 | ns          | 3             |
| Liquid Pumps   | C22.2 No. 108   | ne          | 5             |
| Ground Fault Circuit Interrupters                      | C22.2 No. 144   | ne          | 1             |
| Switchboards   | C22.2 No. 244   | ns          | 1             |
| <b>Consumer and Commercial Products</b>                |                 |             |               |
| Landscape Lighting                                     | C22.2 No. 9.1   | ns          | H             |
| Portable Luminaires                                    | C22.2 No. 9.12  | ne          | 1             |
| Christmas Tree and other Decorative Lighting Outfits   | C22.2 No. 37    | ne          | 1             |
| Humidifiers  | C22.2 No. 104   | ne          | 3             |
| Fans and Ventilators                                   | C22.2 No. 113   | ne          | 3             |
| Electrostatic Air Cleaners                             | C22.2 No. 187   | ne          | 3             |
| Radiant Space Heating Panels, Panel Sets, and Systems  | C22.2 No. 217   | ne          | H             |
| Safety of Household and Similar Electrical Appliances– |                 |             |               |
| –Particular Requirements for Battery Chargers          | E335-2-29       | ne          | 5             |
| –Particular Requirements for Motor-Compressors         | E335-2-34       | ne          | 5             |
| <b>CE Code, Part III – Outside Wiring</b>              |                 |             |               |
| Overhead Systems                                       | C22.3 No. 1     | ne          | 5             |



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## New Standards & Editions

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The following five new guides are joint publications of the Ministry of the Environment, the Canadian Standards Association, Enbridge Consumers Gas, and Union Gas. They are intended to help owners and managers of different types of commercial and institutional buildings and facilities to develop and implement an environmental system (EMS) based on ISO 14001.

Although these guides have been made as comprehensive as possible, readers should also consult ISO standards 14001 and 14004.

- PLUS 1150, 1st edition**  
*Guide to the Implementation of an EMS for the Office Sector Based on ISO 14001* ..... \$60
- PLUS 1151, 1st edition**  
*Guide to the Implementation of ISO 14001 for the College and University Sector* ..... \$60
- PLUS 1152, 1st edition**  
*Guide to the Implementation of ISO 14001 for the School Sector* ..... \$60
- PLUS 1153, 1st edition**  
*Guide to the Implementation of ISO 14001 for the Hospital Sector* ..... \$60
- PLUS 1154, 1st edition**  
*Guide to the Implementation of an EMS Based on ISO 14001 for Municipal Facilities* ..... \$60

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## Endorsed Standards

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ANSI S1.1-1994 (R1999)  
*Acoustical Terminology*

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## Proposed New Projects

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For more information about the following proposed new standards, please contact Kevin Boehmer at 416-747-2231 or kevin.boehmer@csa.ca:

- **Z771, 1st edition**  
*Environmental Management System for Hog Farms—Specification*
- **Z772, 1st edition**  
*Environmental Management System for Hog Farms—Guidance*

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## Reaffirmed Standards

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CAN/CSA-ISO 14001-96 (R2001)  
*Environmental Management Systems—Specifications with Guidance for Use*

CAN/CSA-ISO 14004-96 (R2001)  
*Environmental Management Systems—General Guidelines on Principles, Systems, and Supporting Techniques*



## Status of CSA Standards Projects

**TYPE:** ns *new standard*; ne *new edition*; spec *special publication*; p *preliminary standard*.

**STATUS:** 1 *The project is under initial evaluation.*

2 *The technical content is being drafted.*

3 *The draft is undergoing an internal quality audit by CSA.*

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5 *The approved publication will be for sale within 2–3 months.*

H *The publication is on hold.*

C *The publication has been cancelled. It will be removed from the next status report.*

| SUBJECT   | NUMBER    | TYPE | STATUS |
|---|-----------|------|--------|
| <b>Environmental Technology</b>   |           |      |        |
| Audiometers   | Z107.4    | ne   | 2      |
| Audiometry Procedures   | Z107.6    | ne   | 2      |
| Measurement of Ground-Borne Vibration from Transportation Sources                                       | Z107.40   | ns   | H      |
| Equipment Noise Measurement   | Z107.51   | ne   | 2      |
| Procedure for Performing a Survey of Sound Due to Industrial, Institutional, or Commercial Activities   | Z107.53   | ne   | 2      |
| Measurement of Sound and Vibration Due to Blasting Operations   | Z107.54   | ne   | 1      |
| Recommended Practice for the Prediction of Sound Levels Received at a Distance from an Industrial Plant | Z107.55   | ne   | 1      |
| Monitoring Noise Around Industrial Complexes  | Z107.57   | ns   | 1      |
| Noise Emission Declarations   | Z107.58   | ns   | 1      |
| <b>Environmental Management Systems</b>   |           |      |        |
| The SFM Essentials  | PLUS 1136 | spec | 2      |
| Beyond EMS: Moving Toward Sustainability Through Strategic Environmental Management                     | PLUS 1148 | spec | 3      |
| Guide to ISO 14001/4 and Legal Compliance in Canada   | PLUS 1162 | spec | 2      |
| Environmental Site Assessment   | ISO 14015 | ns   | 1      |
| Environmental Management—Life Cycle Assessment—<br>—Examples for the Application of ISO 14042           | ISO 14047 | ns   | 3      |
| —Data Documentation Format  | ISO 14048 | ns   | 3      |
| —Examples of ISO 14041 Goal and Scope Definition and Inventory Analysis                                 | ISO 14049 | ns   | 4      |
| Definition of Household Hazardous Waste (HHW)   | Z752      | ns   | 2      |
| Guideline for Environmental Assessment  | Z770      | ns   | H      |
| Sustainable Forest Management Requirements  | Z809      | ne   | 2      |



# Communications/ Information

## New Standards & Editions

The new standards in this section were developed by the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC), and have been adopted by the Canadian Standards Association.

**Note:** These standards are available in PDF (Portable Document Format) versions **only**.

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| <b>CAN/CSA-ISO/IEC 2382-8-01, 1st edition</b><br><b>(Adopted ISO/IEC 2382-8:1998) (bilingual)</b><br><i>Information Technology—Vocabulary—</i><br><i>Part 8: Security</i> . . . . .   | \$105 |
| <b>CAN/CSA-ISO/IEC 2382-16-01, 1st edition</b><br><b>(Adopted ISO/IEC 2382-16:1996) (bilingual)</b><br>— <i>Part 16: Information Theory</i> . . . . .   | \$75  |
| <b>CAN/CSA-ISO/IEC 2382-31-01, 1st edition</b><br><b>(Adopted ISO/IEC 2382-31:1997) (bilingual)</b><br>— <i>Part 31: Artificial Intelligence—</i><br><i>Machine Learning</i> . . . . .  | \$65  |
| <b>CAN/CSA-ISO/IEC 7501-3-01, 1st edition</b><br><b>(Adopted ISO/IEC 7501-3:1997)</b><br><i>Identification Cards—Machine Readable Travel</i><br><i>Documents—Part 3: Machine Readable Official</i><br><i>Travel Documents</i> . . . . .   | \$30  |
| <b>CAN/CSA-ISO/IEC 7942-1-01, 1st edition</b><br><b>(Adopted ISO/IEC 7942-1:1994)</b><br><i>Information Technology—Computer Graphics and</i><br><i>Image Processing—Graphical Kernel System (GKS)—</i><br><i>Part 1: Functional Description</i> . . . . .   | \$180 |
| <b>CAN/CSA-ISO/IEC 8480-01, 1st edition</b><br><b>(Adopted ISO/IEC 8480:1995)</b><br><i>Information Technology—Telecommunications and</i><br><i>Information Exchange Between Systems—DTE/DCE</i><br><i>Interface Back-up Control Operation Using ITU-T</i><br><i>Recommendation V.24 Interchange Circuits</i> . . . . . | \$35  |
| <b>CAN/CSA-ISO/IEC 8481-01, 1st edition</b><br><b>(Adopted ISO/IEC 8481:1996)</b><br><i>Information Technology—Telecommunication and</i><br><i>Information Exchange Between Systems—</i><br><i>DTE to DTE Direct Connections</i> . . . . .  | \$40  |
| <b>CAN/CSA-ISO/IEC 8482-01, 1st edition</b><br><b>(Adopted ISO/IEC 8482:1993)</b><br><i>Information Technology—Telecommunication</i><br><i>and Information Exchange Between Systems—</i><br><i>Twisted Pair Multipoint Interconnections</i> . . . . .   | \$70  |

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| <b>CAN/CSA-ISO/IEC 8632-1-01, 1st edition</b><br><b>(Adopted ISO/IEC 8632-1:1999)</b><br><i>Information Technology—Computer Graphics—Metafile</i><br><i>for the Storage and Transfer of Picture Description</i><br><i>Information—Part 1: Functional Specification</i> . . . .  | \$270 |
| <b>CAN/CSA-ISO/IEC 8632-2-01, 1st edition</b><br><b>(Adopted ISO/IEC 8632-2:1992)</b><br>— <i>Part 2: Character Encoding</i> . . . . .  | \$150 |
| <b>CAN/CSA-ISO/IEC 8632-2A-01</b><br>— <i>Part 2: Character Encoding. Amendment 1:2001:</i><br><i>“Rules for Profiles” (Adopted Amendment 1:1994</i><br><i>to ISO/IEC 8632-2:1992)</i> . . . . .  | \$10  |
| <b>CAN/CSA-ISO/IEC 8632-3-01, 1st edition</b><br><b>(Adopted ISO/IEC 8632-3:1999)</b><br>— <i>Part 3: Binary Encoding</i> . . . . .   | \$130 |
| <b>CAN/CSA-ISO/IEC 8632-4-01, 1st edition</b><br><b>(Adopted ISO/IEC 8632-4:1999)</b><br>— <i>Part 4: Clear Text Encoding</i> . . . . .   | \$115 |
| <b>CAN/CSA-ISO/IEC 10025-2-01, 1st edition</b><br><b>(Adopted ISO/IEC 10025-2:1996)</b><br><i>Information Technology—Telecommunications and</i><br><i>Information Exchange Between Systems—Transport</i><br><i>Conformance Testing for Connection-mode Transport</i><br><i>Protocol—Part 2: Abstract Test Suites and PIXIT</i><br><i>for ISO/IEC 8073:1998 Classes O, 2 over CONS</i><br><i>and 4 over CLNS</i> . . . . . | \$270 |
| <b>CAN/CSA-ISO/IEC 10035-2-01, 1st edition</b><br><b>(Adopted ISO/IEC 10035-2:1995)</b><br><i>Information Technology—Open Systems Interconnection—</i><br><i>Connectionless Protocol for the Association Control</i><br><i>Service Element: Protocol Implementation</i><br><i>Conformance Statement (PICS) Proforma</i> . . . . .   | \$60  |
| <b>CAN/CSA-ISO/IEC 10036-01, 1st edition</b><br><b>(Adopted ISO/IEC 10036:1996)</b><br><i>Information Technology—Font Information</i><br><i>Interchange—Procedures for Registration of</i><br><i>Font-related Identifiers</i> . . . . .   | \$70  |
| <b>CAN/CSA-ISO/IEC 10116-01, 1st edition</b><br><b>(Adopted ISO/IEC 10116:1997)</b><br><i>Information Technology—Security Techniques—</i><br><i>Modes of Operation for an n-bit Block Cipher</i> . . . .  | \$50  |
| <b>CAN/CSA-ISO/IEC 10118-3-01, 1st edition</b><br><b>(Adopted ISO/IEC 10118-3:1998)</b><br><i>Information Technology—Security Techniques—</i><br><i>Hash-functions—Part 3: Dedicated Hash-functions</i> . . . . .   | \$110 |



## New Standards & Editions (cont'd)

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| <b>CAN/CSA-ISO/IEC 10164-14-01, 1st edition</b><br><b>(Adopted ISO/IEC 10164-14:1996)</b><br><i>Information Technology—Open Systems Interconnection—</i><br><i>Systems Management: Confidence and Diagnostic</i><br><i>Test Categories</i> (includes Technical Corrigendum<br>1:2001) . . . . .  | \$130 |
| <b>CAN/CSA-ISO/IEC 10164-16-01, 1st edition</b><br><b>(Adopted ISO/IEC 10164-16:1997)</b><br>— <i>Management Knowledge Management</i><br><i>Function</i> . . . . .   | \$160 |
| <b>CAN/CSA-ISO/IEC 10164-16A-01, 1st edition</b><br><b>(Adopted Amendment 1:1998 to ISO/IEC 10164-16:1997)</b><br>— <i>Management Knowledge Management Function</i><br><i>Amendment 1:2001: “Extension for General</i><br><i>Relationship Model”</i> . . . . .   | \$10  |
| <b>CAN/CSA-ISO/IEC 10165-6-01, 1st edition</b><br><b>(Adopted ISO/IEC 10165-6:1997)</b><br><i>Information Technology—Open Systems Interconnection—</i><br><i>Structure of Management Information: Requirements and</i><br><i>Guidelines for Implementation Conformance Statement</i><br><i>Proformas Associated with OSI</i><br><i>Management</i> . . . . .  | \$120 |
| <b>CAN/CSA-ISO/IEC 10168-1-01, 1st edition</b><br><b>(Adopted ISO/IEC 10168-1:1997)</b><br><i>Information Technology—Open Systems Interconnection—</i><br><i>Conformance Test Suite for the Session Protocol—</i><br><i>Part 1: Test Suite Structure and Test Purposes</i> . . .   | \$100 |
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| <b>CAN/CSA-ISO/IEC 10175-2-01, 1st edition</b><br><b>(Adopted ISO/IEC 10175-2:1996)</b><br>— <i>Part 2: Protocol Specification</i> . . . . .   | \$50  |
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| <b>CAN/CSA-ISO/IEC ISP 10608-8-01, 1st edition</b><br><b>(Adopted ISO/IEC ISP 10608-8:1998)</b><br>— <i>Part 8: Security Employing the Network</i><br><i>Layer Security Protocol—Connection-mode with</i><br><i>SDT-PDU Based Protection over X.25 Packet</i><br><i>Switched Data Networks Using Virtual Calls,</i><br><i>for TA1111/TA1121 Profiles</i> . . . . .   | \$60  |
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| <b>CAN/CSA-ISO/IEC ISP 10613-20-01, 1st edition<br/>(Adopted ISO/IEC ISP 10613-20:1998)</b><br>— <i>Part 20: Security Employing the Network Layer Security Protocol—Connection-mode with SDT-PDU Based Protection over X.25 Packet Switched Data Network Using Virtual Calls, for RA1111/RA1121 Profiles</i> . . . . .                | \$60  |
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## New Standards & Editions (cont'd)

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| CAN/CSA-ISO/IEC ISP 12062-1-01, 1st edition<br>(Adopted ISO/IEC ISP 12062-1:1998)<br><i>Information Technology—International Standardized Profiles AMH2n—Message Handling Systems—Interpersonal Messaging—Part 1: IPM MHS Service Support</i> . . . . .                     | \$100 |
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| CAN/CSA-ISO/IEC ISP 12062-3-01, 1st edition<br>(Adopted ISO/IEC ISP 12062-3:1997)<br>— <i>Part 3: AMH22—IPM Requirements for Message Transfer (P1)</i> . . . . .  | \$50  |
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| CAN/CSA-ISO/IEC 12089-01, 1st edition<br>(Adopted ISO/IEC 12089:1997)<br><i>Information Technology—Computer Graphics and Image Processing—Encoding for the Image Interchange Facility (IIF)</i> . . . . .   | \$80  |

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| <b>CAN/CSA-ISO/IEC 13888-1-01, 1st edition<br/>(Adopted ISO/IEC 13888-1:1997)</b><br><i>Information Technology—Security Techniques—<br/>Non-repudiation—Part 1: General</i> . . . . .  | \$45  |
| <b>CAN/CSA-ISO/IEC 13888-3-01, 1st edition<br/>(Adopted ISO/IEC 13888-3:1997)</b><br>— <i>Part 3: Mechanisms Using Asymmetric<br/>Techniques</i> . . . . .   | \$40  |
| <b>CAN/CSA-ISO/IEC 14143-1-01, 1st edition<br/>(Adopted ISO/IEC 14143-1:1998)</b><br><i>Information Technology—Software Measurement—<br/>Functional Size Measurement—Part 1: Definition<br/>of Concepts</i> . . . . .  | \$35  |
| <b>CAN/CSA-ISO/IEC 14474-01, 1st edition<br/>(Adopted ISO/IEC 14474:1998)</b><br><i>Information Technology—Telecommunications and<br/>Information Exchange Between Systems—Private<br/>Integrated Services Network—Functional Requirements<br/>for Static Circuit-mode Inter-PINX Connections</i> . . .  | \$85  |
| <b>CAN/CSA-ISO/IEC 14834-01, 1st edition<br/>(Adopted ISO/IEC 14834:1996)</b><br><i>Information Technology—Distributed Transaction<br/>Processing—The XA Specification</i> . . . . .   | \$160 |
| <b>CAN/CSA-ISO/IEC 15026-01, 1st edition<br/>(Adopted ISO/IEC 15026:1998)</b><br><i>Information Technology—System and Software<br/>Integrity Levels</i> . . . . .  | \$50  |
| <b>CAN/CSA-ISO/IEC 15049-01, 1st edition<br/>(Adopted ISO/IEC 15049:1997)</b><br><i>Information Technology—Telecommunications<br/>and Information Exchange Between Systems—<br/>Private Integrated Services Network—<br/>Specification, Functional Model and Information<br/>Flows—Advice of Charge Supplementary Services</i> . .   | \$130 |
| <b>CAN/CSA-ISO/IEC 15050-01, 1st edition<br/>(Adopted ISO/IEC 15050:1997)</b><br>— <i>Inter-exchange Signalling Protocol—<br/>Advice of Charge Supplementary Services</i> . . . . .  | \$115 |
| <b>CAN/CSA-ISO/IEC 15051-01, 1st edition<br/>(Adopted ISO/IEC 15051:1997)</b><br>— <i>Specification, Functional Model and<br/>Information Flows—Recall Supplementary Service</i> . .   | \$60  |
| <b>CAN/CSA-ISO/IEC 15052-01, 1st edition<br/>(Adopted ISO/IEC 15052:1997)</b><br>— <i>Inter-exchange Signalling Protocol—<br/>Recall Supplementary Service</i> . . . . .   | \$70  |
| <b>CAN/CSA-ISO/IEC 15053-01, 1st edition<br/>(Adopted ISO/IEC 15053:1997)</b><br>— <i>Specification, Functional Model and<br/>Information Flows—Call Interception Additional<br/>Network Feature</i> . . . . .   | \$105 |
| <b>CAN/CSA-ISO/IEC 15054-01, 1st edition<br/>(Adopted ISO/IEC 15054:1997)</b><br>— <i>Inter-exchange Signalling Protocol—<br/>Call Interception Additional Network Feature</i> . . .   | \$105 |
| <b>CAN/CSA-ISO/IEC 15055-01, 1st edition<br/>(Adopted ISO/IEC 15055:1997)</b><br>— <i>Specification, Functional Model and<br/>Information Flows—Transit Counter Additional<br/>Network Feature</i> . . . . .   | \$45  |
| <b>CAN/CSA-ISO/IEC 15124-1-01, 1st edition<br/>(Adopted ISO/IEC 15124-1:1998)</b><br><i>Information Technology—International Standardized<br/>Profile FOD126—Open Document Format—Image<br/>Applications—Enhanced Document Structure—<br/>Character, Raster Graphics, and Geometric Graphics<br/>Content Architecture—Part 1: Document Application<br/>Profile (DAP)</i> . . . . . | \$120 |
| <b>CAN/CSA-ISO/IEC 15411-01, 1st edition<br/>(Adopted ISO/IEC 15411:1999)</b><br><i>Information Technology—Segmented Keyboard<br/>Layouts</i> . . . . .  | \$65  |
| <b>CAN/CSA-ISO/IEC 15505-01, 1st edition<br/>(Adopted ISO/IEC 15505:2000)</b><br><i>Information Technology—Telecommunications<br/>and Information Exchange Between Systems—<br/>Private Integrated Services Network (PISN)—<br/>Specification, Functional Model and<br/>Information Flows—Message Waiting Indication<br/>Supplementary Service</i> . . . . .                       | \$65  |
| <b>CAN/CSA-ISO/IEC 15506-01, 1st edition<br/>(Adopted ISO/IEC 15506:2000)</b><br>— <i>Inter-exchange Signalling Protocol—<br/>Message Waiting Indication Supplementary Service</i> .   | \$90  |
| <b>CAN/CSA-ISO/IEC 15507-01, 1st edition<br/>(Adopted ISO/IEC 15507:1997)</b><br>— <i>Inter-exchange Signalling Protocol—<br/>PINX Clock Synchronization</i> . . . . .   | \$65  |
| <b>CAN/CSA-ISO/IEC 15773-01, 1st edition<br/>(Adopted ISO/IEC 15773:1998)</b><br><i>Information Technology—Telecommunications and<br/>Information Exchange Between Systems—Broadband<br/>Private Integrated Services Network—Inter-exchange<br/>Signalling Protocol—Transit Counter Additional<br/>Network Feature</i> . . . . .   | \$45  |
| <b>CAN/CSA-ISO/IEC 15899-01, 1st edition<br/>(Adopted ISO/IEC 15899:1998)</b><br><i>Information Technology—Telecommunications<br/>and Information Exchange Between Systems—<br/>Broadband Private Integrated Services Network—<br/>Service Description—Broadband Connection<br/>Oriented Bearer Services</i> . . . . .   | \$45  |



## Nouvelles parutions en français

Les nouvelles normes qui suivent ont été élaborées par la Organisation internationale de normalisation (ISO) et la Commission Électrotechnique Internationale (CEI) et adoptées par la CSA.  
**Note.** Ces normes sont offertes seulement en fichier PDF (Portable Document Format).

- CAN/CSA-ISO/IEC 2382-8-01, 1<sup>re</sup> édition (bilingue)  
(norme ISO/CEI 2382-8:1998 adoptée)  
*Technologies de l'information—Vocabulaire—  
Partie 8 : Sécurité* ..... 105 \$
- CAN/CSA-ISO/IEC 2382-16-01, 1<sup>re</sup> édition  
(bilingue)  
(norme ISO/CEI 2382-16:1996 adoptée)  
— *Partie 16 : Théorie de l'information* ..... 75 \$
- CAN/CSA-ISO/IEC 2382-31-01, 1<sup>re</sup> édition  
(bilingue)  
(norme ISO/CEI 2382-31:1997 adoptée)  
— *Partie 31 : Intelligence artificielle—  
Apprentissage automatique* ..... 65 \$

## Amendments

**Note:** The following Technical Corrigenda have been merged into the PDF version of the appropriate standard, and are therefore available only with the purchase of the standard. They are not available separately.

- CAN/CSA-ISO/IEC 10164-14-01, TC 1  
(Adopted Technical Corrigendum 1:1999 to ISO/IEC 10164-14:1996)  
*Information Technology—Open Systems Interconnection—  
Systems Management: Confidence and Diagnostic Test  
Categories. Technical Corrigendum 1:2001*
- CAN/CSA-ISO/IEC 10175-1-01, TC 1  
(Adopted Technical Corrigendum 1:1998 to ISO/IEC 10175-1:1996)  
*Information Technology—Text and Office Systems—  
Document Printing Application (DPA)—Part 1:  
Abstract Service Definition and Procedures  
Technical Corrigendum 1:2001*
- CAN/CSA-ISO/IEC 10175-1-01, TC 2  
(Adopted Technical Corrigendum 2:1998 to ISO/IEC 10175-1:1996)  
— *Technical Corrigendum 2:2001*
- CAN/CSA-ISO/IEC 10175-1-01, TC 3  
(Adopted Technical Corrigendum 3:1998 to ISO/IEC 10175-1:1996)  
— *Technical Corrigendum 3:2001*
- CAN/CSA-ISO/IEC 10175-1-01, TC 4  
(Adopted Technical Corrigendum 4:1998 to ISO/IEC 10175-1:1996)  
— *Technical Corrigendum 4:2001*
- CAN/CSA ISO/IEC 13712-3-00, TC 1  
(Adopted Technical Corrigendum 1:1996 to ISO/IEC 13712-3:1995)  
*Information Technology—Remote Operations: OSI  
Realizations—Remote Operations Service Element (ROSE)  
Protocol Specification. Technical Corrigendum 1:2001*



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## Status of CSA Standards Projects

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**TYPE:** ns *new standard*; ne *new edition*; spec *special publication*; p *preliminary standard*.

**STATUS:** 1 *The project is under initial evaluation.*

2 *The technical content is being drafted.*

3 *The draft is undergoing an internal quality audit by CSA.*

4 *The publication is being processed for formal letter-ballot approval.*

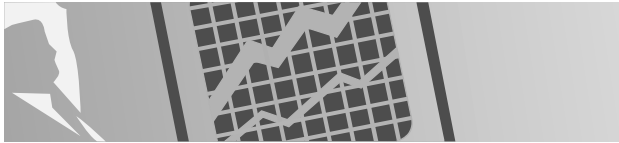
5 *The approved publication will be for sale within 2–3 months.*

H *The publication is on hold.*

C *The publication has been cancelled. It will be removed from the next status report.*

| <b>SUBJECT</b>  | <b>NUMBER</b> | <b>TYPE</b> | <b>STATUS</b> |
|---|---------------|-------------|---------------|
| <b>Telecommunications/Information Technology</b>  |               |             |               |
| Information Technology—OSI—Systems Management Overview                                      | ISO/IEC 10040 | ns          | H             |
| Information Technology—Elements of Management Information<br>Related to OSI Transport Layer | ISO/IEC 10737 | ne          | H             |
| Information Technology—Generic Cabling for Customer Premises                                | ISO/IEC 11801 | ns          | H             |
| Information Technology Vocabulary   | Z243.58       | ne          | H             |





# Quality/ Business Management

## New Standards & Editions

Z234.1-00, new edition  
*Metric Practice Guide* . . . . . \$45

This standard is a guide for the understanding and application of the International System of Units ("Système international d'unités"), for which

the universal abbreviation is SI. Information is included on quantities, SI units, and the recommended application of SI multiples and submultiples. Up-to-date terminology for quantities and conversion factors that relate the SI to other systems of units is also provided. The conversion and rounding of data and dual dimensioning are also addressed.

## Status of CSA Standards Projects

- TYPE:** ns *new standard*; ne *new edition*; spec *special publication*; p *preliminary standard*.
- STATUS:** 1 *The project is under initial evaluation.*  
 2 *The technical content is being drafted.*  
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 4 *The publication is being processed for formal letter-ballot approval.*  
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| SUBJECT  | NUMBER    | TYPE | STATUS |
|--|-----------|------|--------|
| <b>Quality Assurance</b>   |           |      |        |
| The ISO 9000 Essentials: A Practical Handbook for Implementing<br>The ISO 9000 Standards | PLUS 9001 | spec | 5      |
| Quality Assurance Requirements for Measuring Equipment                                   | ISO 10012 | ne   | 1      |
| Generally Accepted Management Principles and Practices                                   | Q900.1    | spec | H      |



# Construction Products and Materials

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## New Standards & Editions

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**B45.10-01, 1st edition**  
*Hydromassage Bathtubs* . . . . . \$40

This standard provides requirements for hydromassage systems. It applies to (but is not necessarily limited to) whirlpool bathtubs and bubble (air) bathtubs. Additional requirements are found in CSA standards B45.0 and C22.2 No. 218.2.

**CAN/CSA-S826 Series-01, 1st edition**  
*Ferry Boarding Facilities* . . . . . \$75

This standard specifies requirements for the design of new (or the replacement of existing) boarding facilities, including vehicular and foot passenger ramps and support structures; access interfaces between shore/ramp and ramp/vessel; and operating systems.

**W48-01, 1st edition**  
*Filler Metals and Allied Materials for Metal Arc Welding*  
(Developed in cooperation with the Canadian Welding Bureau) . . . . . \$150

This standard prescribes requirements for the classification and certification of many types of filler metals and allied materials for shielded metal arc welding, gas-arc welding, flux- and metal-cored arc welding, and submerged arc welding. (Note: This standard replaces standards W48.1 to W48.6.)

**W117.2-01, 4th edition**  
*Safety in Welding, Cutting and Allied Processes*  
(Developed in cooperation with the Canadian Welding Bureau) . . . . . \$35

This standard provides minimum requirements and recommendations to protect workers from illness and injury in an environment affected by welding, cutting, and allied processes, and to prevent damage to property arising from the installation, operation, and maintenance of equipment used in such processes. This standard also provides for the elements of a welding health and safety program.

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## Amendments

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**CAN/CSA-A3000-98**  
*Cementitious Materials Compendium*

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

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## Modifications publiées en français

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**CAN/CSA-A3000-98**  
*Compendium de matériaux cimentaires*

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

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## Proposed New Projects

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For more information about the following proposed new editions, contact Sally Richardson at 416-747-2746 or [sally.richardson@csa.ca](mailto:sally.richardson@csa.ca):

- **A123.1/A123.5, 2nd edition**  
*Asphalt Shingles Made From Organic Felt and Surfaced With Mineral Granules/Asphalt Shingles Made From Glass Felt and Surfaced With Mineral Granules*
- **A123.2, 2nd edition**  
*Asphalt-Coated Roofing Sheets*
- **A123.16, 2nd edition**  
*Asphalt-Coated Glass-Base Sheet*
- **A123.17, 2nd edition**  
*Asphalt-Saturated Felted Glass-Fibre Mat for Use in Construction of Built-Up Roofs*
- **A123.51, 3rd edition**  
*Asphalt Shingle Application on Roof Slopes 1:3 and Steeper*
- **A123.52, 3rd edition**  
*Asphalt Shingle Application on Roof Slopes 1:6 to Less than 1:3*

For more information about the following proposed new edition, contact Larry Gill at 416-747-2544 or [larry.gill@csa.ca](mailto:larry.gill@csa.ca):

- **B70, 9th edition**  
*Cast Iron Soil Pipe, Fittings, and Means of Joining*

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## Drafts

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Note: Public comments about the following draft standards are due by June 7, 2001. To receive copies, or to offer comments, contact Lidwina Kumar at 416-747-4188 or [lidwina.kumar@csa.ca](mailto:lidwina.kumar@csa.ca):

- **B70, 9th edition**  
*Cast Iron Soil Pipe, Fittings, and Means of Joining*
- **Z241 Series, 2nd edition**  
*Park Model Trailers*



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## Withdrawn Standards

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### CAN3-O188.0-M78

*Standard Test Methods for Mat-Formed Wood Particleboards and Waferboard*

### CAN3-O188.1-M78

*Interior Mat-Formed Wood Particleboard*

### CAN3-O188.3-M82

*Exterior-Bond Mat-Formed Wood Particleboard*

### O325.2-M1980 (R1998)

*Quality Assurance for Construction Sheathing  
(a Preliminary Standard)*

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## Proposed Reaffirmation of Standards

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For more information about the following proposed reaffirmations, contact Sally Richardson at 416-747-2746 or sally.richardson@csa.ca:

- **A123.2-M1979 (R1999)**  
*Asphalt Coated Roofing Sheets*
- **A123.17-1963 (R1999)**  
*Asphalt-Saturated Felted Glass-Fibre Mat for Use in Construction of Built-Up Roofs*
- **CAN3-A123.51-M85 (R1999)**  
*Asphalt Shingle Application on Roof Slopes 1:3 and Steeper*
- **CAN3-A123.52-M85 (R1999)**  
*Asphalt Shingle Application on Roof Slopes 1:6 to Less than 1:3*

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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 31, 2001         | Extension of the effective date for compliance with the water quality requirements in CSA standard B125, <i>Plumbing Fittings</i> .   | Plumbing Products No. 135A |
| July 31, 2001         | Publication of CSA standard B127.1-99, <i>Asbestos Cement Drain, Waste, and Vent Pipe and Pipe Fittings</i> . (Supersedes Certification Notice "Plumbing Products No. 20A," and Informs "Plumbing Products No. 1.") | Plumbing Products No. 136  |



## Status of CSA Standards Projects

**TYPE:** ns *new standard*; ne *new edition*; spec *special publication*; p *preliminary standard*.

**STATUS:** 1 *The project is under initial evaluation.*

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| SUBJECT  | NUMBER       | TYPE | STATUS |
|--|--------------|------|--------|
| <b>Building Materials and Masonry</b>  |              |      |        |
| Building Performance Protocol for Office Buildings   | PLUS 1149    | spec | H      |
| Asphalt Coated Roofing Sheets  | A123.2       | ne   | 1      |
| Asphalt-Coated Glass-base Sheet  | A123.16      | ne   | 1      |
| Asphalt-saturated Felted Glass-fibre Mat for Use in Built-up Roofs                                     | A123.17      | ne   | 1      |
| Asphalt Shingle Application on Roof Slopes 1:3 and Steeper   | A123.51      | ne   | 1      |
| Asphalt Shingle Application on Roof Slopes 1:6 to less than 1:3  | A123.52      | ne   | 1      |
| Concrete Masonry Units   | A165 Series  | ne   | 2      |
| Entry Door Systems   | A440.6       | ns   | 1      |
| <b>Offshore Structures</b>   |              |      |        |
| General Requirements, Design Criteria, the Environment, and Loads                                      | S471         | ne   | 1      |
| Foundations  | S472         | ne   | 1      |
| Steel Structures   | S473         | ne   | 1      |
| Concrete Structures  | S474         | ne   | 1      |
| Sea Operations   | S475         | ne   | 1      |
| <b>Concrete</b>  |              |      |        |
| Concrete Materials and Methods of Concrete Construction/<br>Methods of Test for Concrete               | A23.1/A23.2  | ne   | 2      |
| Plant Certification for Manufacturers of Concrete Roof Tiles   | A220.0/.1/.2 | ne   | 1      |
| Standards for Concrete Pipe  | A257         | ne   | 1      |
| Cementitious Materials Compendium  | A3000 Series | ne   | 2      |
| <b>Welding</b>   |              |      |        |
| General Requirements for Rolled or Welded Structural Quality Steel/<br>Structural Quality Steels       | G40.20/.21   | ne   | 2      |
| Corrugated Steel Pipe Products<br>(Note: G401's expected publication date is April 30.)                | G401         | ne   | 5      |
| Certification of Companies for Fusion Welding of Steel Structures                                      | W47.1        | ne   | 2      |
| Welded Steel Construction (Metal Arc Welding)  | W59          | ne   | 3      |
| Certification of Welding Inspection Organizations  | W178.1       | ne   | 2      |
| Certification of Welding Inspectors  | W178.2       | ne   | 5      |
| Performance Testing of Welders, Tack Welders, and Welding Operators<br>for the Fusion Welding of Steel | W901         | ns   | 2      |
| <b>Forest Products</b>   |              |      |        |
| Wood Utility Poles and Reinforcing Stubs   | O15          | ne   | H      |
| Eastern White Cedar Shingles   | O118.2       | ne   | H      |
| <b>Industrialized Building Construction</b>  |              |      |        |
| Industrial and Commercial Storage Racking Systems  | A344         | ns   | 2      |
| Park Model Trailers  | Z241 Series  | ne   | 2      |
| Log Homes and Buildings  | Z824         | ns   | 1      |



| <b>SUBJECT</b>   | <b>NUMBER</b> | <b>TYPE</b> | <b>STATUS</b> |
|--|---------------|-------------|---------------|
| <b>Structures (Design)</b>   |               |             |               |
| Design of Concrete Structures  | A23.3         | ne          | 2             |
| Engineering Design in Wood   | O86           | ne          | 5             |
| Design of Steel Structures   | S16           | ne          | 3             |
| Antennas, Towers, and Antenna-Supporting Structures  | S37           | ne          | 4             |
| Strength Design in Aluminum  | S157          | ne          | 4             |
| Masonry Design for Buildings (LSD)   | S304.1        | ne          | 2             |
| Parking Structures   | S413          | ne          | 1             |
| Limit States Design of Advanced Composite Materials for Buildings                                | S806          | ns          | 2             |
| Guideline for Seismic Risk Reduction of Operational and Functional Components (OFC) of Buildings | S832          | ns          | 4             |



## New Standards & Editions

**B415.1-00, 2nd edition**  
*Performance Testing of Solid-Fuel-Burning Heating Appliances* . . . . . \$80

This standard specifies requirements for the performance testing of solid-fuel-burning appliances having an air-fuel ratio averaging less than 35:1. It also specifies maximum emission rates.

This standard specifies a method for determining heat outputs, appliance efficiencies, emission levels and composition, and flue gas flow rates.

“Solid fuel” includes biomass fuels such as cordwood, wood chips, sawdust, peat logs, wood and paper pellets, and kernel corn. It does not include coal.

**C439-00, new edition**  
*Standard Laboratory Methods of Test for Rating the Performance of Heat/Energy-Recovery Ventilators* . . \$55

This standard applies to packaged heat/energy-recovery ventilators (HRV/ERV) that consist of factory-assembled elements including fans or blowers, in which heat or heat and moisture are transferred between two isolated airstreams.

The standard specifies:

- laboratory methods of testing and procedures for rating the apparent effectiveness and heat-recovery efficiency of an HRV/ERV
- procedures for determining air movement capabilities and the leakage of air from one airstream to another.

## Proposed New Projects

For more information about the proposed development of the following new edition, contact Sally Richardson at 416-747-2746 or [sally.richardson@csa.ca](mailto:sally.richardson@csa.ca):

- **C802.3, 1st edition**  
*Maximum Losses for Power Transformers*  
(Note: C802.3, C802.1-00, and C802.2-00 will supersede CAN/CSA-C802-94 (R1999).)

For more information about the following proposed new editions, contact Mike Dodd at 416-747-2322 or [mike.dodd@csa.ca](mailto:mike.dodd@csa.ca):

- **B139, 7th edition**  
*Installation Code for Oil Burning Equipment*
- **B140.0, 3rd edition**  
*Safety of Oil Burning Appliances and Equipment: General Requirements*
- **B140.4, 4th edition**  
*Oil-Fired Warm Air Furnaces*
- **B140.7.1, 4th edition**  
*Oil-Fired Steam and Hot Water Boilers for Residential Use*
- **B140.10, 2nd edition**  
*Oil-Fired Warm Air Heating Appliances for Mobile Homes and Recreational Vehicles*
- **B140.12, 4th edition**  
*Oil-Fired Service Water Heaters for Domestic Hot Water and Space Heating Use*
- **B255, 3rd edition**  
*Mechanical Flue Gas Exhausters*

## Drafts

**Please note:** Public comments about the following draft standards are due by June 7, 2001. To receive copies, or to offer comments, contact Lidwina Kumar at 416-747-4188 or [lidwina.kumar@csa.ca](mailto:lidwina.kumar@csa.ca):

- **C239, 4th edition**  
*Performance Standard for Dusk-to-Dawn Luminaires*
- **C802.3, 1st edition**  
*Maximum Losses for Power Transformers*  
(Note: C802.3, C802.1-00, and C802.2-00 will supersede CAN/CSA-C802-94 (R1999).)

## Reaffirmed Standards

**N293-95 (R2001)**  
*Fire Protection for CANDU Nuclear Power Plants*



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## Status of CSA Standards Projects

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**TYPE:** ns *new standard*; ne *new edition*; spec *special publication*; p *preliminary standard*.

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| SUBJECT   | NUMBER   | TYPE | STATUS |
|---|----------|------|--------|
| <b>Performance, Energy Efficiency, and Renewables</b>   |          |      |        |
| Performance Standard for Dusk-to-Dawn Luminaires  | C239     | ne   | 2      |
| Energy Consumption Test Methods for Household Electric Ranges   | C358     | ne   | 2      |
| Test Method for Measuring Energy Consumption and Drum Volume of Electrically Heated Household Tumble-Type Clothes Dryers  | C361     | ne   | 2      |
| Design and Installation of Earth Energy Heat Pump Systems for Commercial, Industrial, Residential and Other Small Buildings (Note: This formerly appeared as C445.) | C448     | ne   | 2      |
| Performance Standard for Roadway Lighting Luminaires  | C653     | ne   | 2      |
| Performance Standard For Rating Packaged Water Chillers   | C743     | ne   | 2      |
| Energy Efficiency for Single- and Three-phase Small Motors  | C747     | ne   | H      |
| Maximum Losses for Power Transformers   | C802.3   | ns   | 1      |
| Performance Test Methods for Uninterruptible Power Supplies   | C813.1   | ns   | 5      |
| Small Fluid Pumps   | C820     | ns   | 2      |
| Performance of Internally Lighted Exit Signs  | C860     | ne   | 4      |
| Performance of Incandescent Reflector Lamps   | C862     | ne   | 3      |
| Performance of Ballast for Use With High Intensity Discharge Lamps  | C863     | ns   | 1      |
| Water-Source Heat Pumps—Testing and Rating for Performance—Part 1: Water-To-Air and Brine-To-Air Heat Pumps   | C13256-1 | ns   | 5      |
| Water-Source Heat Pumps—Testing and Rating for Performance—Part 2: Water-To-Water and Brine-To-Water Heat Pumps   | C13256-2 | ns   | 5      |
| Crystalline Silicon Terrestrial Photovoltaic (PV) Modules Design Qualification and Type Approval  | C61215   | ns   | 2      |
| Residential Mechanical Ventilation Systems  | F326     | ne   | 2      |
| <b>Fire Safety and Fuel Burning Equipment</b>   |          |      |        |
| Installation Code for Oil Burning Equipment   | B139     | ne   | 2      |
| General Requirements for Oil Burning Equipment  | B140.0   | ne   | 2      |
| Oil Fired Furnaces  | B140.4   | ne   | 2      |
| Oil Fired Steam and Hot Water Boilers for Residential Use   | B140.7.1 | ne   | 2      |
| Oil Fired Steam and Hot Water Boilers for Commercial and Industrial Use   | B140.7.2 | ne   | 1      |
| Oil Fired Warm Air Heating Appliances for Mobile Housing and Recreational Vehicles  | B140.10  | ne   | 2      |
| Oil-Fired Service Water Heaters and Swimming Pool Heaters   | B140.12  | ne   | 2      |
| Installation Code for Hydronic Heating Systems  | B214     | ne   | 4      |
| Mechanical Flue-Gas Exhausters  | B255     | ne   | 2      |
| Installation and Maintenance of Farm Stand-by Electric Power  | C679     | ns   | 2      |



| <b>SUBJECT</b>  | <b>NUMBER</b> | <b>TYPE</b> | <b>STATUS</b> |
|---|---------------|-------------|---------------|
| <b>Nuclear</b>  |               |             |               |
| General Requirements for Pressure-Retaining Systems and Components in CANDU Nuclear Power Plants                      | N285.0        | ne          | 4             |
| Periodic Inspection of CANDU Nuclear Power Plant Components   | N285.4        | ne          | 2             |
| Material Standards for Reactor Components for CANDU Nuclear Power Plants (This series consists of N285.6.1–N285.6.9.) | N285.6 Series | ne          | 2             |
| Technical Requirements for In-Service Evaluation of Zirconium Alloy Pressure Tubes in CANDU Reactors                  | N285.8        | ns          | 3             |
| Management System Requirements for Nuclear Power Plants   | N286.0        | ne          | 2             |
| Environmental Requirements for the Design of CANDU Nuclear Power Plants   | N290.13       | ns          | 3             |
| Fire Protection for CANDU Nuclear Power Plants  | N293          | ne          | 1             |
| <b>Oil &amp; Gas Industry Systems</b>   |               |             |               |
| Steel Line Pipe   | Z245.1        | ne          | 2             |
| Coiled Aluminum Line Pipe and Accessories   | Z245.6        | ne          | 2             |
| Steel Fittings  | Z245.11       | ne          | 5             |
| Steel Flanges   | Z245.12       | ne          | 5             |
| Steel Valves  | Z245.15       | ne          | 5             |
| External Fusion Bond Epoxy Coating for Steel Pipe   | Z245.20       | ne          | 2             |
| External Polyethylene Coating for Pipe  | Z245.21       | ne          | 2             |
| Liquefied Natural Gas (LNG)—Production, Storage, and Handling   | Z276          | ne          | 4             |
| Storage of Hydrocarbons in Underground Formations   | Z341          | ne          | 2             |
| Oil and Gas Pipeline Systems  | Z662          | ne          | 2             |
| Commentary on Z662  | Z662.1        | spec        | 5             |