

INFO UPDATE

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Consumers call for action on services and e-commerce

The service sectors are thriving in today's marketplace: Consumers delight in the range of options available to them, whether they shop by phone, through the Internet, by mail order, or in person. But with increasing service options come increasing concerns about consumer confidence and fairness in the marketplace. To address these concerns, ISO's Committee for Consumer Policy (COPOLCO) met in Oslo, Norway, from May 14-16 to study the issues and develop policy recommendations.

Before the plenary meeting, a full-day workshop was held on the topic, **Improving services for consumers: how can standards help?** The workshop concluded that COPOLCO should develop key principles for consumer services and proposals for international work in the areas of tourism and financial services.

COPOLCO also adopted three resolutions for international standards to promote consumer protection in the global marketplace. The resolutions proposed:

- a standard on External Dispute Resolution Systems
- a suite of standards in the area of business-to-consumer e-commerce
- a study on the feasibility of international standards for corporate social accountability.

The COPOLCO meeting was attended by 90 delegates from 30 countries. Canada was represented by four delegates and two observers, including Jeanne Bank, Manager of Consumer and Member Services at CSA.

For more information about the COPOLCO 2001 meeting or to request a copy of the draft COPOLCO resolutions, please contact **Jeanne Bank** (see "For more information").

Committee member education sessions

CSA's Member Education Program gives members valuable information on CSA and the standards development process. **Committee Members** who want to know more about the policies and procedures governing standards development can register for one of the following one-day sessions to be held at the Canadian Standards Association office in Toronto:

- September 20, 2001, or
- October 25, 2001.

Interactive sessions for **Committee Chairs** are scheduled for the following dates and locations:

- October 11 at the Canadian Standards Association office in Toronto
- November 15-16 (a special two-day session) at the Canadian Standards Association office in Toronto
- November 30 in British Columbia. This date is tentative.

To register for these or future sessions, or to obtain a copy of *Notes for Committee Members*, please contact:

Cathy Frederickson

Manager, Member Development
Telephone: 416-747-4206
E-mail: cathy.frederickson@csa.ca.

For more information ...

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

Jeanne Bank

Manager, Consumer and Member Services
178 Rexdale Blvd., Toronto, ON M9W 1R3
Telephone: 416-747-2624
Fax: 416-747-2473
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Les consommateurs appellent à l'action pour les secteurs des services et du commerce électronique

Les secteurs du service prospèrent sur le marché actuel : les consommateurs se réjouissent de la gamme de choix qui leur est offerte, qu'ils fassent leurs achats par téléphone, par Internet, par correspondance ou en personne. Mais l'accroissement des choix dans les services s'accompagne d'un plus grand souci de l'équité sur le marché. Pour répondre à ce souci, le comité ISO de la politique à l'égard des consommateurs (Committee for Consumer Policy ou COPOLCO) s'est réuni à Oslo, en Norvège, du 14 au 16 mai, pour étudier ces questions et élaborer des recommandations de principe.

Avant la réunion plénière, un atelier d'une journée a été tenu sur le sujet, **Améliorer les services aux consommateurs : que peuvent faire les normes?**

L'atelier a conclu que le COPOLCO devrait élaborer les principes clés des services s'adressant aux consommateurs et des propositions sur le travail international dans les domaines du tourisme et des services financiers.

Le COPOLCO a aussi adopté trois résolutions de normes internationales pour favoriser la protection du consommateur sur le marché international. Ces résolutions proposaient :

- une norme sur les systèmes de règlement des litiges externes
- un ensemble de normes pour le commerce électronique entre entreprises et consommateurs
- une étude sur la faisabilité de normes internationales concernant la responsabilité sociale des entreprises.

Quatre-vingt dix délégués venus de 30 pays ont participé à la réunion du COPOLCO. Le Canada était représenté par quatre délégués et deux observateurs, y compris M^{me} Jeanne Bank, directrice des services aux consommateurs et aux membres, Association canadienne de normalisation.

Pour de plus amples renseignements sur la réunion COPOLCO 2001 ou pour demander une copie du projet de résolution du COPOLCO, veuillez communiquer avec M^{me} **Jeanne Bank** (voir « Pour plus de renseignements »).

Séances de formation des membres du comité

Le programme de formation des membres de la CSA donne aux membres des renseignements importants sur la CSA et sur le processus d'élaboration des normes. Les **membres du comité** qui veulent en savoir plus sur les politiques et les procédures d'élaboration des normes peuvent s'inscrire à l'une des séances d'une journée ci-dessous. Les séances auront lieu au bureau de l'Association canadienne de normalisation de Toronto :

- le 20 septembre 2001 ou
- le 25 octobre 2001.

Les séances interactives pour les **présidents de comités** sont fixées aux dates et aux lieux suivants :

- le 11 octobre au bureau de l'Association canadienne de normalisation de Toronto
- les 15 et 16 novembre (séance spéciale de deux jours) au bureau de l'Association canadienne de normalisation de Toronto
- le 30 novembre en Colombie-Britannique. Cette date est provisoire.

Pour vous inscrire à ces séances ou à des séances ultérieures ou pour obtenir une copie des *Notes aux membres du comité*, veuillez communiquer avec :

Cathy Frederickson

directrice, perfectionnement des membres

Tél. : 416-747-4206

Télé. : 416-747-2473

Courriel : cathy.frederickson@csa.ca.

Pour plus de renseignements ...

Pour obtenir de plus amples renseignements au sujet des activités des Services aux membres et aux consommateurs de la CSA, veuillez communiquer avec :

Jeanne Bank

chef, Services aux membres et aux consommateurs

178, boul. Rexdale, Toronto (Ontario) M9W 1R3

Tél. : 416-747-2624 Téléc. : 416-747-2473

Courriel : jeanne.bank@csa.ca ou

Consumer_Services@csa.ca



Gas Equipment

New Standards & Editions

B109-01, 1st edition

Natural Gas for Vehicles Installation Code \$135

This code applies to the installation, servicing, and repair of natural gas fuel systems on self-propelled vehicles for the provision of motive power. It replaces CAN/CGA-B149.4-M91 (R1998).

ANSI Z21.86-2000/CSA 2.32-2000, 3rd edition

Vented Gas-Fired Space Heating Appliances \$510

This standard details test and examination criteria for vented room heaters, direct vent wall furnaces, vented wall furnaces, and gravity and fan type floor furnaces for use with natural, manufactured and mixed gases, liquefied petroleum (LP) gases, and LP gas-air mixtures.

ANSI Z21.88a-2000/CSA 2.33a-2000

Addenda to "Vented Gas Fireplace Heaters" \$40

This document is an addenda to ANSI Z21.88-2000/CSA 2.33-M00.

ANSI Z83.19-2001/CSA 2.35-2001, 1st edition

Gas-Fired High-Intensity Infrared Heaters \$290

This standard details test and examination criteria for gas-fired high-intensity infrared heaters for use with natural, manufactured and mixed gases, liquefied petroleum (propane) gases, LP gas-air mixtures, and convertible for use with natural gas and liquefied petroleum (propane) gases when provision is made for the simple conversion from one gas to the other.

A gas-fired high-intensity infrared heater is intended for installation in and heating of outdoor spaces or nonresidential indoor spaces and is intended for location where flammable gases or vapours are not generally present. This appliance may be suspended overhead, angle-mounted overhead, wall-mounted, or floor-mounted.

Note: This standard and Z83.20-2001/CSA 2.34-2001 replace Z83.6 and CAN1-2.16.

ANSI Z83.20-2001/CSA 2.34-2001, 1st edition

Gas-Fired Low-Intensity Infrared Heaters \$305

This standard details test and examination criteria for gas-fired low-intensity infrared heaters and infrared radiant tube heaters with inputs up to and including 400,000 Btu per hour (117.23 kW) per burner. These appliances are for use with natural gas, manufactured gas, mixed gas, liquefied petroleum (propane) gases

and LP gas-air mixtures. These appliances may be convertible for use with natural gas and liquefied petroleum (propane) gases, when provision is made for a simple conversion from one gas to the other. These heaters are intended for installation in and heating of outdoor spaces or nonresidential indoor spaces. Low-intensity infrared heaters and infrared radiant tube heaters may be suspended overhead, angle-mounted overhead, wall-mounted or floor-mounted.

Note: This standard and Z83.19-2001/CSA 2.35-2001 replace Z83.6 and CAN1-2.16.

Drafts

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 September 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 1.1, 5th edition**
Household Cooking Gas Appliances
- **CSA 12.6, 2nd edition**
Vehicle Refuelling Appliances
- **CSA 12.57/ANSI NGV 4.7, 1st edition**
Automatic Pressure-Operated Valves for Natural Gas Dispensing Systems
- **CSA B108, 2nd edition**
Natural Gas Fuelling Stations Installation Code

Proposed Reaffirmation of Standards

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

CGA 1.6-M95/ANSI Z21.58-1995
Outdoor Cooking Gas Appliances

CGA 1.8-M96/ANSI Z83.11-1996
Gas Food Service Equipment

CAN1-2.21-M85 (R1996)
Gas-Fired Appliances for Outdoor Installation



Proposed reaffirmations (cont'd)

CGA 2.26-M96/ANSI Z21.60-1996
Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces

CSA 6.25-M97/ANSI Z21.81-1997
Cylinder Connection Devices

CAN/CGA-B105-M93 (R1996)
Code for Digester Gas and Landfill Installations

For more information about the proposed reaffirmation of the following six standards, contact Senka Krsikapa at 416-747-2508 or senka.krsikapa@csa.ca:

CAN1-2.20-M85 (R1996)
Gas-Fired Brooders

CGA 6.16-M97/ANSI Z21.69-1997
Connectors for Movable Gas Appliances

CGA 6.21-M97/ANSI Z21.79-1997
Gas Appliance Sediment Traps

CGA 6.22-M97/ANSI Z21.80-1997
Line Pressure Regulators

CSA 6.26-M97/ANSI/IAS LC 1
Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)

CGA 8.4-M96/ANSI Z21.54
Gas Hose Connectors for Portable Outdoor Gas-Fired Appliances

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
Food Processing and Food Refrigeration			
Household Cooking Gas Appliances	1.1	ne	3
Refrigerators Using Gas Fuel	1.4/ANSI Z21.19	ns	3
Outdoor Cooking Specialty Gas Appliances	1.18/ANSI Z21.89	ne	2
Accessories			
Service Regulators	6.18	ne	3
Gas Convenience Outlets and Optional Enclosures	6.24/ANSI Z21.90	ns	4
Laundry Equipment			
Gas Clothes Dryers, Volume II, Type 2 Clothes Dryers	7.2/ANSI Z21.5.2	ne	4
Natural Gas and Propane Vehicle Fuel Systems and Industrial Engines			
Natural Gas Vehicle Fueling Station Compressor Guidelines	12.8/ANSI NGV 4.8	ns	4
Automatic Pressure Operated Valves for Natural Gas Dispensing Systems	12.57/ANSI NGV 4.7	ns	2
Performance Test Methods			
Testing Method for Measuring Annual Fireplace Efficiency	P.4.1	ne	2



New Standards & Editions

The following six C22.2 standards were developed by the International Electrotechnical Commission (IEC), and have been adopted by CSA. These standards are bilingual.

- **CAN/CSA-C22.2 No. 60601-2-1-01, 2nd edition**
Medical Electrical Equipment—Part 2-1: Particular Requirements for the Safety of Electron Accelerators in the Range 1 MeV to 50 MeV (Adopted CEI/IEC 60601-2-1:1998, second edition, 1998-06) . . \$155
- **CAN/CSA-C22.2 No. 60601-2-9-01, 2nd edition**
— *Part 2-9: Patient Contact Dosimeters Used in Radiotherapy with Electrically Connected Radiation Detectors* (Adopted CEI/IEC 601-2-9:1996, second edition, 1996-10) \$45
- **CAN/CSA-C22.2 No. 60601-2-18-01, 2nd edition**
— *Part 2-18: Endoscopic Equipment* (Adopted CEI/IEC 601-2-18:1996, second edition, 1996-08) \$85
- **CAN/CSA-C22.2 No. 60601-2-22-01, 2nd edition**
— *Part 2-22: Diagnostic and Therapeutic Laser Equipment* (Adopted CEI/IEC 601-2-22:1995, second edition, 1995-11) \$85
- **CAN/CSA-C22.2 No. 60601-2-30-01, 1st edition**
— *Part 2-30: Automatic Cycling Indirect Blood Pressure Monitoring Equipment* (Adopted CEI/IEC 601-2-30:1995, first edition, 1995-03) \$75
- **CAN/CSA-C22.2 No. 60601-2-40-01, 1st edition**
— *Part 2-40: Electromyographs and Evoked Response Equipment* (Adopted CEI/IEC 60601-2-40:1998, first edition, 1998-02) \$60

CAN/CSA-ISO/TS 14798-01, 1st edition
Lifts (Elevators), Escalators and Passenger Conveyors—Risk Analysis Methodology (Adopted Technical Specification ISO/TS 14798:2000, first edition, 2000-11-01) \$75

This Technical Specification establishes requirements and procedures for carrying out risk analysis for lifts (elevators), escalators and passenger conveyors.

It is intended for use by experts, trained in this methodology, to determine equipment safety and performance or to develop codes and standards.

CAN/CSA-ISO 14937-01, 1st edition
Sterilization of Health Care Products—General Requirements for Characterization of a Sterilizing Agent and the Development, Validation and Routine Control of a Sterilization Process for Medical Devices (Adopted ISO 14937:2000, first edition, 2000-12-15) \$100

This standard specifies general requirements for the characterization of a sterilizing agent, and for the development, validation and routine control of a sterilization process for medical devices.

The standard applies to sterilization processes in which micro-organisms are inactivated by physical and/or chemical means. It does not apply to processes that rely solely on physical removal of micro-organisms (for example, filtration).

The standard is to be applied by process developers, manufacturers of sterilization equipment, manufacturers of medical devices to be sterilized, and the organization responsible for sterilizing the medical device.

Although the scope applies to medical devices, the principles may also be applied to other health care products.

Z98-01, 5th edition
Passenger Ropeways \$120

This standard provides requirements for the design, manufacture, construction, modification, operation, inspection, testing, and maintenance of passenger ropeways. The requirements are adequate under conditions normally encountered in the industry.

In this standard, passenger ropeways include:

- reversible, single and double, above-surface ropeways
- fixed grip and detachable grip ropeways, circulating above-surface ropeways, including gondola ropeways, chair ropeways, and similar devices
- surface ropeways, including T-bar ropeways, J-bar ropeways, platter ropeways, and similar devices
- tows, including wire and fibre rope tows
- tows for secondary carriers.

This standard may be adopted for use with funicular railways and self-powered reversible above-surface ropeways.



Nouvelles parutions en français

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

- **CAN/CSA-C22.2 n° 60601-2-1-01, 2^e édition**
Appareils électromédicaux—Partie 2-1 : Règles particulières de sécurité pour les accélérateurs d'électrons dans la gamme de 1 MeV à 50 MeV (norme CEI/IEC 60601-2-1:1998 adoptée, deuxième édition, 1998-06) (bilingue) 155 \$
- **CAN/CSA-C22.2 n° 60601-2-9-01, 2^e édition**
— *Partie 2-9 : Dosimètres au contact du patient utilisés en radiothérapie avec des détecteurs de rayonnement reliés électriquement* (norme CEI/IEC 601-2-9:1996 adoptée, deuxième édition, 1996-10) (bilingue) 45 \$
- **CAN/CSA-C22.2 n° 60601-2-18-01, 2^e édition**
— *Partie 2-18 : Appareils d'endoscopie* (norme CEI/IEC 601-2-18:1996 adoptée, deuxième édition, 1996-08) (bilingue) 85 \$
- **CAN/CSA-C22.2 n° 60601-2-22-01, 2^e édition**
— *Partie 2-22 : Appareils thérapeutiques et de diagnostic à laser* (norme CEI/IEC 601-2-22:1995 adoptée, deuxième édition, 1995-11) (bilingue) 85 \$
- **CAN/CSA-C22.2 n° 60601-2-30-01, 1^{re} édition**
— *Partie 2-30 : Appareils de surveillance de la pression sanguine prélevée indirectement, automatiquement et périodiquement* (norme CEI/IEC 601-2-30:1995 adoptée, première édition, 1995-03) (bilingue) 75 \$
- **CAN/CSA-C22.2 n° 60601-2-40-01, 1^{re} édition**
— *Partie 2-40 : Électromyographes et appareils à potentiel évoqué* (norme CEI/IEC 60601-2-40:1998 adoptée, première édition, 1998-02) (bilingue) 60 \$

C225-00, 4^e édition

Engins élévateurs à nacelle portés sur véhicule 60 \$

Cette norme s'applique aux types suivants d'engins élévateurs à nacelle portés sur véhicule :

- a) engin élévateur à bras extensible ;
- b) échelle aérienne ;
- c) engin élévateur à bras articulé ;
- d) engin élévateur à déplacement vertical ;
- e) toute combinaison de ces engins.

Le véhicule porteur peut être un camion, une remorque ou un véhicule tous terrains.

Cette norme vise à établir les critères de conception, de

fabrication, de mise à l'essai, d'inspection, d'installation, d'entretien, d'utilisation et de conduite des engins élévateurs à nacelle installés sur châssis, servant avant tout au déplacement du personnel, ainsi que les critères de formation des opérateurs de ce matériel afin :

- a) de prévenir les blessures corporelles et les accidents ;
- b) d'uniformiser les caractéristiques nominales ;
- c) de définir les responsabilités respectives des constructeurs, des concessionnaires, des installateurs, du personnel d'entretien, des opérateurs, des propriétaires et des utilisateurs.

CAN/CSA-ISO/TS 14798-01, 1^{re} édition

Ascenseurs, escaliers mécaniques et trottoirs roulants—Méthodologie de l'analyse du risque (Spécification technique ISO/TS 14798:2000, première édition, 2000-11-01, adoptée) 75 \$

La présente Spécification technique établit les exigences et les procédures de réalisation d'une analyse du risque pour les ascenseurs, escaliers mécaniques et trottoirs roulants.

Elle est destinée aux experts instruits sur l'utilisation de cette méthodologie pour déterminer la sécurité des équipements et leur performance ou développer des codes ou des normes.

CAN/CSA-ISO 14937-01, 1^{re} édition

Stérilisation des produits de santé—Exigences générales pour la caractérisation d'un agent stérilisant et pour le développement, la validation et la vérification de routine d'un processus de stérilisation pour dispositifs médicaux (norme ISO 14937:2000 adoptée, première édition, 2000-12-15) 100 \$

Cette norme spécifie les exigences générales pour la caractérisation d'un agent stérilisant et pour le développement, la validation et le contrôle de routine d'un procédé de stérilisation pour les dispositifs médicaux.

Cette norme s'applique aux procédés de stérilisation dans lesquels des micro-organismes sont inactivés par un moyen physique et/ou chimique. Cette norme n'est pas applicable aux procédés qui reposent uniquement sur l'élimination physique des micro-organismes (par exemple filtration).

Cette norme est destinée à être appliquée par les responsables de l'élaboration des procédés, les fabricants d'équipements de stérilisation, les fabricants de dispositifs médicaux à stériliser et l'organisme responsable de la stérilisation du dispositif médical.

Bien que le domaine d'application de cette norme soit limité aux dispositifs médicaux, les principes décrits peuvent s'appliquer à d'autres produits de santé.



Nouvelles parutions (suite)

CAN/CSA-M3767-1-01, 2^e édition

Tracteurs, matériels agricoles et forestiers, matériel à moteur pour jardins et pelouses—Symboles pour les commandes de l'opérateur et autres indications—Partie 1 : Symboles communs (norme ISO 3767-1:1998 adoptée, troisième édition, 1998-12-15) 100 \$

Cette norme établit les symboles communs à utiliser sur les commandes de l'opérateur et autres indicateurs sur les tracteurs, les matériels agricoles et forestiers, et le matériel à moteur pour jardins et pelouses tels que définis dans l'ISO 3339-0 et dans l'ISO 5395.

Les symboles donnés s'appliquent aux commandes et aux indicateurs communs aux tracteurs, aux matériels agricoles et forestiers, et au matériel à moteur pour jardins et pelouses, aussi bien qu'aux autres types de machines de travail automotrices conçues pour fonctionner hors des routes publiques, telles que les engins de terrassement, les chariots de manutention et les grues mobiles.

Proposed Adoption of Standards

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

- **IEC 60601-1-1 (2000-12)**
Medical Electrical Equipment—Part 1-1: General Requirements for Safety—Collateral Standard: Safety Requirements for Medical Electrical Systems
- **IEC 60601-1-4 (2000-04) Ed.1.1**
Medical Electrical Equipment—Part 1-4: General Requirements for Safety—Collateral Standard: Programmable Electrical Medical Systems
- **IEC 60601-2-5 (2000-07)**
Medical Electrical Equipment—Part 2-5: Particular Requirements for the Safety of Ultrasonic Physiotherapy Equipment
- **IEC 60601-2-18 Am1 (2000-07)**
Medical Electrical Equipment—Part 2: Particular Requirements for the Safety of Endoscopic Equipment. Amendment 1

Proposed New Projects

For more information about the proposed development of the following new projects, contact Kevin MacKenzie at 416-747-4096 or kevin.mackenzie@csa.ca:

- **D409, 3rd edition**
Motor Vehicles for the Transportation of Persons with Physical Disabilities
- **D435, 1st edition**
Transit Vehicles for the Transportation of Persons with Physical Disabilities
- **D436, 1st edition**
Over-the-Road Buses for the Transportation of Persons with Physical Disabilities

Drafts

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

To receive copies of the following draft standard, or to offer comments, contact Dave Shanahan at 416-747-2586 or dave.shanahan@csa.ca:

- **Z195.1, 1st edition**
Protective Footwear Selection, Care, and Use Guideline

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

- **B44-00, Proposed amendments**
Safety Code for Elevators

Proposed revisions of various clauses throughout the standard.



Reaffirmed Standards

CAN/CSA-C22.2 No. 601.2.5-92 (R2001)
Medical Electrical Equipment—Part 2: Particular Requirements for the Safety of Ultrasonic Therapy Equipment

Z94.5-95 (R2001)
Non-Prescription Sunglasses

CAN/CSA-Z185-M87 (R2001)
Safety Code for Personnel Hoists

Z259.3-M1978 (R2001)
Lineman's Body Belt and Safety Strap

Proposed Reaffirmation of Standards

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

- CAN/CSA-Z321-96
Signs and Symbols for the Workplace

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
Health Care Technology			
Medical Electrical Equipment—Part 2: Particular Requirements for the Safety of—			
— High Frequency Surgical Equipment	C22.2 No. 601.2.2	ne	3
— High-voltage Generators of Diagnostic X-ray Generators	C22.2 No. 601.2.7	ne	3
— Gamma Beam Therapy Equipment	C22.2 No. 601.2.11	ne	3
— Haemodialysis Equipment	C22.2 No. 601.2.16	ne	3
— Infusion Pumps and Controllers	C22.2 No. 601.2.24	ne	3
— Mammographic X-ray Equipment and Mammographic Stereotactic Devices	C22.2 No. 601.2.45	ne	3
— Operating Tables	C22.2 No. 601.2.46	ne	5
Application of Auditory and Visual Medical Devices	ISO 9703-3	ns	3
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	2
Flow-Metering Devices for Connection to Terminal Units of Medical Gas Pipeline Systems	ISO 15002	ns	4
Medical Devices—Symbols to Be Used with Medical Device Labels, Labelling and Information to Be Supplied	ISO 15223	ns	H
Metered Dose Inhaler Spacer Device	Z264.1	ns	3
Medical Electrical Equipment—Particular Requirements for Safety of Medical Supply Units	Z305.8	ns	3
Disinfectants	Z314.11	ns	H
Selection and Use of Rigid Sterilization Containers	Z314.14	ne	2



SUBJECT	NUMBER	TYPE	STATUS
Special Requirements for Heating, Ventilation, Air Conditioning (HVAC) Systems in HCF	Z317.2	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	2
Safety of Tissues for Transplantation	Z900.2.1	ns	2
Safety of Reproductive Tissues for Transplantation	Z900.2.2	ns	1
Safety of Perfusable Organs for Transplantation	Z900.2.3	ns	2
Safety of Ocular Tissues for Transplantation	Z900.2.4	ns	2
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	4
Mechanical Industrial Equipment			
Safety Code for Manlifts	B311	ne	5
Selection and Use of Cylinders, Spheres, Tubes, and Other Containers for the Transportation of Dangerous Goods, Class 2	B340	ne	3
Community and Personal Issues			
Barrier-Free Design	B651	ne	2
Dimensions for Facially-Featured Headforms	Z262.6	ns	4
Racquet Sports Eye Protection	Z400	ns	2
Occupational Health and Safety			
Industrial Lift Truck Operator Training	B335	ne	2
Elevating Rolling Work Platforms	B354.1	ne	2
Boom-Type Elevating Work Platforms	B354.4	ne	2
Mast Climbers	B354.5	ns	2
Lighting and Marking of Agricultural Field Equipment on Highways	M669	ne	1
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	4
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	3
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



Nouvelles parutions en français

C22.2 n° 99-1954 (C1999), 1^{re} édition
Construction et mise à l'essai des machines à repasser pour usage domestique 35 \$

Cette norme vise les machines à repasser portatives et fixes pour usage domestique, avec ou sans commande thermique automatique, conçues pour fonctionner sous une tension d'au plus 250 V et pour être utilisées conformément au *Code canadien de l'électricité, Première partie*.

Proposed New Projects

For more information about the proposed development of the following new editions, contact Brian Haydon at 416-747-4006 or brian.haydon@csa.ca:

- **C22.2 No. 0.3, 6th edition**
Test Methods for Electrical Wires and Cables
- **C22.2 No. 38, 8th edition**
Thermoset Insulated Wires and Cables
- **C22.2 No. 188, 2nd edition**
Splicing Wire Connectors

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

- **C22.2 No. 253, 1st edition**
Controllers, 1501-7200 Volts
- **C22.2 No. 254, 1st edition**
Motor Control Centres
- **C22.2 No. 257, 1st edition**
General Rules for Low Voltage Distribution Equipment
- **C22.2 No. 258, 1st edition**
Magnetic Controllers
- **C22.2 No. 259, 1st edition**
Pilot Devices

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

- **C22.2 No. 210.2, 3rd edition**
Appliance Wiring Material Products

For more information about the proposed development of the following new edition, contact John O'Neill at 416-747-4042 or john.oneill@csa.ca:

- **C9, 4th edition**
Dry-Type Transformers

Drafts

Please note: Public comments about the following proposed amendments are due by September 7, 2001. To receive copies, or to offer comments, contact Annie Pereira at 416-747-4094 or annie.pereira@csa.ca:

- **C22.2 No. 38-95, Proposed amendment**
Thermoset Insulated Wires and Cables
Proposed revision of Clauses 4.6.4 and 6.4.16.
- **CAN/CSA-C22.2 No. 61-M89, Proposed amendment**
Household Cooking Ranges
Proposed revision of Clauses 6.3.1.6 and 6.3.2.13.

Proposed Adoption of Standards

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

- **IEC 60079-2 (2001)**
Electrical Apparatus for Explosive Gas Atmospheres—Part 2: Electrical Apparatus—Type of Protection "p"
- **IEC 60079-15 (2001)**
— *Part 15: Electrical Apparatus with Type of Protection "n"*
- **IEC 60335-1 (2001)**
Safety of Household and Similar Electrical Appliances—Part 1: General Requirements
- **IEC 60598-1 (1999)**
Luminaires—Part 1: General Requirements and Tests
- **IEC 60825-1 (1998)**
Safety of Laser Products—Part 1: Equipment Classification, Requirements and User's Guide
- **IEC 60974-1: am1 (2000)**
Arc Welding Equipment—Part 1: Welding Power Sources



Proposed Adoptions (cont'd)

- IEC 60974-7 (2000)
Arc Welding Equipment—Part 7: Torches
- IEC 61558-1 (1998)
Safety of Power Transformers, Power Supply Units and Similar—Part 1: General Requirements and Tests
- IEC 61558-2-1 (1997)
Safety of Power Transformers, Power Supply Units and Similar—Part 2: Particular Requirements for Separating Transformers for General Use
- IEC 61558-2-2 (1997)
— *Control Transformers*
- IEC 61558-2-4 (1997)
— *Isolating Transformers for General Use*
- IEC 61558-2-6 (1997)
— *Safety Isolating Transformers for General Use*
- IEC 61558-2-17 (1997)
— *Transformers for Switchmode Power Supplies*

For more information about the proposed adoption of the following IEC standards, contact John O'Neill at 416-747-4042 or john.oneill@csa.ca:

- IEC 60104 (1987)
Aluminum-Magnesium-Silicon Alloy Wire for Overhead Line Conductors
- IEC 60888 (1987)
Zinc-coated Steel Wires for Stranded Conductors
- IEC 60889 (1987)
Hard-drawn Aluminum Wire for Overhead Line Conductors
- IEC 61089 (1991)
Round Wire Concentric Lay Overhead Electrical Stranded Conductors
- IEC 61232 (1993)
Aluminum-clad Steel Wires for Electrical Purposes

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

- CISPR 22
Information Technology Equipment—Radio Disturbance Characteristics—Limits and Methods of Measurement
- IEC 61000-4-8 (2001)
Electromagnetic Compatibility (EMC)—Part 4-8: Testing and Measurement Techniques—Power Frequency Magnetic Field Immunity Test

- IEC 61000-4-9 (2001)
— *Part 4-9: Pulse Magnetic Field Immunity Test*
- IEC 61000-4-16 (1998)
— *Part 4-16: Test for Immunity to Conducted, Common Mode Disturbances in the Frequency Range 0 Hz to 150 kHz*
- IEC 61000-4-17 (1999)
— *Part 4-17: Ripple on d.c. Input Power Port Immunity Test*

Proposed Endorsement of Standards

For more information about the proposed endorsement of the following IEC standards, contact John O'Neill at 416-747-4042 or john.oneill@csa.ca:

- IEC 60243-1 (1998)
Electric Strength of Insulating Materials—Test Methods—Part 1: Tests at Power Frequencies
- IEC 60243-2 (2001)
— *Part 2: Additional Requirements for Tests Using Direct Voltage*
- IEC 60454-3-1 (1998)
Pressure-sensitive Adhesive Tapes for Electrical Purposes—Part 3: Specifications for Individual Materials—Sheet 1: PVC Film Tapes with Pressure Sensitive Adhesive
- IEC 60454-3-2 (1998)
— *Sheet 2: Polyester Film Tapes with Rubber Thermosetting or Acrylic Crosslinked Adhesives*
- IEC 60454-3-3 (1998)
— *Sheet 3: Polyester Film Tapes with Rubber Thermoplastic Adhesive*
- IEC 60454-3-4 (1998)
— *Sheet 4: Cellulosic Paper, Creped, with Rubber Thermosetting Adhesive*
- IEC 60454-3-5 (1998)
— *Sheet 5: Cellulosic Paper, Non-creped, with Rubber Thermosetting Adhesive*
- IEC 60454-3-6 (1998)
— *Sheet 6: Polycarbonate Film Tapes with Acrylic Thermoplastic Adhesive*
- IEC 60454-3-7 (1998)
— *Sheet 7: Polyimide Film Tapes with Pressure-sensitive Adhesive*



Proposed Endorsements (cont'd)

- IEC 60454-3-8 (1998)
— *Sheet 8: Glass Fabric with Pressure-sensitive Adhesive*
- IEC 60455-1 (1998)
Resin Based Reactive Compounds Used for Electrical Insulation—Part 1: Definitions and General Requirements
- IEC 60455-2 (1998)
— *Part 2: Methods of Test*
- IEC 60464-1 (1998)
Varnishes Used for Electrical Insulation—Part 1: Definitions and General Requirements
- IEC 60626-3 (1996)
Combined Flexible Materials for Electrical Insulation—Part 3: Specifications for Individual Materials
- IEC 60672-2 (1999)
Ceramic and Glass Insulating Materials—Part 2: Methods of Test
- IEC 60672-3 (1997)
— *Part 3: Specifications for Individual Materials*
- IEC 60684-2 (1997)
Flexible Insulating Sleeving—Part 2: Methods of Test
- IEC 60707 (1999)
Flammability of Solid Non-metallic Materials When Exposed to Flame Sources—List of Test Methods

Reaffirmed Standards

- CAN/CSA-C22.2 No. 242-92 (R2001)
IEEE Standard Test Procedures and Requirements for High-Voltage Alternating-Current Cable Terminations
- CAN/CSA-CEI/IEC 1000-1-97 (R2001)
EMC—Part 1: General—Section 1: Application and Interpretation of Fundamental Definitions and Terms
- CAN/CSA-CEI/IEC 1000-2-1-97 (R2001)
EMC—Part 2: Environment—Section 1: Description of the Environment—Electromagnetic Environment for Low-frequency Conducted Disturbances and Signalling in Public Power Supply Systems
- CAN/CSA-CEI/IEC E1000-2-2-97 (R2001)
EMC—Part 2: Environment—Section 2: Compatibility Levels for Low-frequency Conducted Disturbances and Signalling in Public Low-voltage Power Supply Systems

Note: IEC has re-numbered the 1000 series as 61000.

CSA has reaffirmed its endorsement of the following IEEE and IEC standards:

- ANSI/IEEE 1-1986 (R2001)
General Principles for Temperature Limits in the Rating of Electrical Equipment and for the Evaluation of Electrical Insulation
- IEC 60085 (1984) (R2001)
Thermal Evaluation and Classification of Electrical Insulation
- IEC 60093 (1980) (R2001)
Methods of Test for Volume Resistivity and Surface Resistivity of Solid Electrical Insulating Materials
- IEC 60112 (1979) (R2001)
Method for Determining the Comparative and the Proof Tracking Indices of Solid Materials Under Moist Conditions
- IEC 60167 (1964) (R2001)
Methods of Test for the Determination of the Insulation Resistance of Solid Insulating Materials
- IEC 60212 (1971) (R2001)
Standard Conditions for Use Prior to and During the Testing of Solid Electrical Insulating Materials
- IEC 60216-1 (1990) (R2001)
Guide for the Determination of Thermal Endurance Properties of Electrical Insulating Materials—Part 1: General Guidelines for Ageing Procedures and Evaluation Test Results
- IEC 60216-2 (1990) (R2001)
— *Part 2: Choice of Test Criteria*
- IEC 60216-3-1 (1990) (R2001)
— *Part 3: Instructions for Calculating Thermal Endurance Characteristics. Section 1—Calculation Using Mean Values of Normally Distributed Complete Data*
- IEC 60216-4-1 (1990) (R2001)
— *Part 4: Ageing Ovens. Section 1: Single-chamber Ovens*
- IEC 60216-5 (1990) (R2001)
— *Part 5: Guidelines for the Application of Thermal Endurance Characteristics*
- IEC 60250 (1969) (R2001)
Recommended Methods for the Determination of the Permittivity and Dielectric Dissipation Factor of Electrical Insulating Materials at Power, Audio and Radio Frequencies Including Metric Wavelengths



- **IEC 60345 (1971) (R2001)**
Method of Test for Electrical Resistance and Resistivity of Insulating Materials at Elevated Temperatures
- **IEC 60371-1 (1980) (R2001)**
Specification for Insulating Materials Based on Mica—Part 1: Definitions and General Requirements
- **IEC 60371-2 (1987) (R2001)**
— *Part 2: Methods of Test*
- **IEC 60371-3-1 (1984) (R2001)**
— *Part 3: Specifications for Individual Materials—Sheet 1: Commutator Separators and Materials*
- **IEC 60371-3-3 (1983) (R2001)**
— *Part 3: Specifications for Individual Materials—Sheet 3: Specification for Rigid Mica Materials for Heating Equipment*
- **IEC 60377-1 (1973) (R2001)**
Methods for the Determination of Dielectric Properties of Insulating Materials at Frequencies above 300 MHz—Part 1: General
- **IEC 60377-2 (1977) (R2001)**
— *Part 2: Resonance Methods*
- **IEC 60394-1 (1972) (R2001)**
Varnished Fabrics for Electrical Purposes—Part 1: Definitions and General Requirements
- **IEC 60394-2 (1972) (R2001)**
— *Part 2: Methods of Test*
- **IEC 60394-3-1 (1976) (R2001)**
— *Part 3: Specifications for Individual Materials—Sheet 1: Oleoresinous Varnish-cotton Base, OR/C*
- **IEC 60394-3-2 (1988) (R2001)**
— *Part 3: Specifications for Individual Materials—Sheet 2: Glass-fabric Based Varnished Fabrics with Epoxy, Polyurethane, Silicone, Polyester, Bituminous or Oleoresinous Varnish*
- **IEC 60426 (1973) (R2001)**
Test Methods for Determining Electrolytic Corrosion with Insulating Materials
- **IEC 60450 (1974) (R2001)**
Measurement of the Average Viscometric Degree of Polymerization of New and Aged Electrical Papers
- **IEC 60455-1A (1980) (R2001)**
Specification for Solventless Polymerisable Resinous Compounds Used for Electrical Insulation—Part 1: Definitions and General Requirements—First Supplement: Basis for Classification of Polymerisable Resinous Compounds
- **IEC 60455-2-2 (1984) (R2001)**
Specification for Solventless Polymerisable Resinous Compounds Used for Electrical Insulation—Part 2: Methods of Test—Sheet 2: Test Methods for Coating Powders for Electrical Purposes
- **IEC 60455-3-1 (1981) (R2001)**
Specification for Solventless Polymerisable Resinous Compounds Used for Electrical Insulation—Part 3: Specification for Individual Materials—Sheet 1: Unfilled Epoxy Resinous Compounds
- **IEC 60455-3-2 (1987) (R2001)**
— *Sheet 2: Quartz Filled Epoxy Resinous Compounds*
- **IEC 60455-3-3 (1984) (R2001)**
— *Sheet 3: Unfilled Polyurethane Compounds*
- **IEC 60455-3-4 (1984) (R2001)**
— *Sheet 4: Filled Polyurethane Compounds*
- **IEC 60455-3-5 (1989) (R2001)**
— *Sheet 5: Unsaturated Polyester Impregnating Resins*
- **IEC 60455-3-11 (1988) (R2001)**
— *Sheet 11: Epoxy Resin-based Coating Powders*
- **IEC 60464-2 (1974) (R2001)**
Specification for Insulating Varnishes Containing Solvent—Part 2: Test Methods
- **IEC 60464-3-1 (1986) (R2001)**
Specification for Insulating Varnishes Containing Solvent—Part 3: Specifications for Individual Materials—Sheet 1: Requirements for Cold Curing Finishing Varnishes
- **IEC 60464-3-2 (1989) (R2001)**
— *Sheet 2: Requirements for Hot Curing Impregnating Varnishes*
- **IEC 60493-1 (1974) (R2001)**
Guide for the Statistical Analysis of Ageing Test Data—Part 1: Methods Based on Mean Values of Normally Distributed Test Results
- **IEC 60544-4 (1985) (R2001)**
Guide for Determining the Effects of Ionizing Radiation on Insulating Materials—Part 4: Classification System for Service in Radiation Environments
- **IEC 60554-1 (1977) (R2001)**
Specification for Cellulosic Papers for Electrical Purposes—Part 1: Definitions and General Requirements



Reaffirmed Standards (cont'd)

- IEC 60554-2 (1977) (R2001)
Specification for Cellulosic Papers for Electrical Purposes—Part 2: Methods of Test
- IEC 60554-3-1 (1979) (R2001)
Specification for Cellulosic Papers for Electrical Purposes—Part 3: Specifications for Individual Materials—Sheet 1: General Purpose Electrical Paper
- IEC 60554-3-2 (1983) (R2001)
— *Sheet 2: Capacitor Paper*
- IEC 60554-3-3 (1980) (R2001)
— *Sheet 3: Crepe Paper*
- IEC 60554-3-4 (1979) (R2001)
— *Sheet 4: Electrolytic Capacitor Paper*
- IEC 60554-3-5 (1984) (R2001)
— *Sheet 5: Special Papers*
- IEC 60587 (1984) (R2001)
Test Methods for Evaluating Resistance to Tracking and Erosion of Electrical Insulating Materials Used Under Severe Ambient Conditions
- IEC 60589 (1977) (R2001)
Methods of Test for the Determination of Ionic Impurities in Electrical Insulating Materials by Extraction with Liquids
- IEC 60641-1 (1979) (R2001)
Specification for Pressboard and Presspaper for Electrical Purposes—Part 1: Definition and General Requirements
- IEC 60641-2 (1979) (R2001)
— *Part 2: Methods of Test*
- IEC 60648 (1979) (R2001)
Method of Test for Coefficients of Friction of Plastic Film and Sheeting for Use as Electrical Insulation
- IEC 60667-1 (1980) (R2001)
Specification for Vulcanized Fibre for Electrical Purposes—Part 1: Definitions and General Requirements
- IEC 60667-2 (1982) (R2001)
— *Part 2: Methods of Test*
- IEC 60667-3-1 (1986) (R2001)
— *Part 3: Specifications for Individual Materials—Sheet 1: Flat Sheets*
- IEC 60674-1 (1980) (R2001)
Specification for Plastic Films for Electrical Purposes—Part 1: Definition and General Requirements
- IEC 60674-2 (1988) (R2001)
— *Part 2: Methods of Test*
- IEC 60684-1 (1980) (R2001)
Specification for Flexible Insulating Sleeving—Part 1: Definitions and General Requirements
- IEC 60684-3-100 - 105 (1988) (R2001)
Specification for Flexible Insulating Sleeving—Part 3: Specification Requirements for Individual Types of Sleeving—Sheets 100 to 105: Extruded PVC Sleeving
- IEC 60684-3-121 - 122 (1988) (R2001)
— *Sheets 121 and 122: Extruded Silicone Sleeving*
- IEC 60684-3-209 (1987) (R2001)
— *Sheet 209: Heat Shrinkable Sleeving General Purpose, Flame Retarded Polyolefin Shrink Ratio 2:1*
- IEC 60684-3-300 (1987) (R2001)
— *Sheet 300: Glass Textile Fibre Sleeving, Braided, Uncoated*
- IEC 60684-3-320 (1987) (R2001)
— *Sheet 320: Polyethylene Terephthalate Textile Lightly Impregnated*
- IEC 60684-3-403 - 405 (1988) (R2001)
— *Sheets 403 to 405: Glass Textile Sleeving with Acrylic Based Coating*
- IEC 60684-3-406 - 408 (1988) (R2001)
— *Sheets 406 to 408: Glass Textile Sleeving with PVC Based Coating*
- IEC 60763-1 (1983) (R2001)
Specification for Laminated Pressboard—Part 1: Definitions, Classification and General Requirements
- IEC 60795 (1984) (R2001)
Test Method for Evaluating Thermal Endurance of Flexible Sheet Materials Using the Wrapped Tube Method
- IEC 60893-1 (1987) (R2001)
Specification for Industrial Rigid Laminated Sheets Based on Thermosetting Resins for Electrical Purposes—Part 1: Definition, Designations and General Requirements



Formal Interpretations

The following interpretation involving CSA's standard C22.2 No. 38-95, Clause 4.4.9.2, has been approved by the Technical Committee on Wiring Products.

Question: Does the jacket need to be separable from the insulation for a single conductor, Type RW-90, with EP insulation and EP jacket?

Answer: No.

Certification Notices

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

Effective Date	Subject	Title
August 31, 2001	TIL No. N-31, covering interim certification requirements for cord flexing test in portable appliances. (Supersedes "Vacuum Cleaners and Blower Cleaners No. 7.")	Vacuum Cleaners and Blower Cleaners No. 7A
November 30, 2001	TIL No. B-58B, covering interim certification requirements for landscape lighting. (Supersedes "Lighting Products No. 18A.")	Lighting Products No. 34
June 1, 2002	C22.2 No. 745-1 and -2 (<i>Portable Electric Tools</i>), and 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
Wiring Products			
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	1
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	C
Plugs, Receptacles and Cable Connectors of the Pin and Sleeve Type	C22.2 No. 182.1	ne	3
Communications Cables	C22.2 No. 214	ne	4
Liquid-Tight Flexible Nonmetallic Conduit	C22.2 No. 227.2.1	ns	3
Flexible Non-metallic Tubing	C22.2 No. 227.3	ne	1



SUBJECT	NUMBER	TYPE	STATUS
Industrial Products			
Adhesive Labels	C22.2 No. 0.15	ne	4
Enclosed Switches	C22.2 No. 4	ne	2
Moulded Circuit Breakers	C22.2 No. 5.1	ne	4
Panelboards and Enclosed Panelboards	C22.2 No. 29	ne	2
Switchgear Assemblies	C22.2 No. 31	ne	1
General Use Power Supplies	C22.2 No. 107.1	ne	5
Battery Chargers	C22.2 No. 107.2	ne	4
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	2
Mechanical Safety of Cathode Ray Tubes	E61965	ns	5
Consumer and Commercial Products			
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	4
Fans and Ventilators	C22.2 No. 113	ne	C
Electrostatic Air Cleaners	C22.2 No. 187	ne	1
Radiant Space Heating Panels, Panel Sets, and Systems	C22.2 No. 217	ne	H
Safety of Household and Similar Electrical Appliances–Part 2: Particular Requirements —			
— Stationary Cooking Ranges, Hobs, Ovens and Similar Appliances	E60335-2-6	ne	5
— Washing Machines	E60335-2-7	ne	5
— Tumbler-dryers	E60335-2-11	ne	5
— Storage Water Heaters	E60335-2-21	ne	5
— Microwave Ovens	E60335-2-25	ne	5
— Massage Appliances	E60335-2-32	ne	5
— Instantaneous Water Heaters	E60335-2-35	ne	5
— Commercial Electric Cooking Ranges, Ovens, Hobs and Hob Elements	E60335-2-36	ne	5
— Commercial Electric Deep Fat Fryers	E60335-2-37	ne	5
— Commercial Electric Griddles and Griddle Grills	E60335-2-38	ne	5
— Commercial Electric Multi-purpose Cooking Pans	E60335-2-39	ne	5
— Commercial Electric Forced Convection Ovens, Steam Cookers and Steam-convection Ovens	E60335-2-42	ne	5
— Electric Ironers	E60335-2-44	ne	5
— Commercial Electric Boiling Pans	E60335-2-47	ne	5
— Commercial Electric Grillers and Toasters	E60335-2-48	ne	5
— Commercial Electric Hot Cupboards	E60335-2-49	ne	5
— Commercial Electric Bains-marie	E60335-2-50	ne	5
— Stationary Circulation Pumps for Heating and Service Water Installations	E60335-2-51	ne	5
— Oral Hygiene Appliances Connected to the Main Supply Through a Safety Isolating Transformer	E60335-2-52	ne	5
— Projectors and Similar Appliances	E60335-2-56	ne	5
— Commercial Electric Kitchen Machines	E60335-2-64	ne	5
— Service Machines and Amusement Machines	E60335-2-82	ns	5



SUBJECT	NUMBER	TYPE	STATUS
Automatic Electrical Controls for Household and Similar Use —			
— Part 1: General Requirements	E60730-1/3E	ne	3
— Part 2: Electrically Operated Water Valves, Including Mechanical Requirements	E60730-2-8	ne	3
— Part 2: Temperature Sensing Controls	E60730-2-9	ne	3
CE Code, Part III – Outside Wiring			
Overhead Systems	C22.3 No. 1	ne	5
Electromagnetic Compatibility			
Electromagnetic Compatibility (EMC)–Part 4: Testing and Measurement Techniques – Section 27: Unbalance, Immunity Test	61000-4-27	ns	5



New Standards & Editions

CAN/CSA-ISO/TR 14049-01, 1st edition
*Environmental Management—Life Cycle Assessment—
Examples of Application of ISO 14041 to Goal and
Scope Definition and Inventory Analysis* (Adopted
Technical Report ISO/TR 14049:2000,
first edition, 2000-03-15) \$110

This document provides examples about carrying out a Life Cycle Inventory analysis (LCI) as a means of satisfying certain provisions of ISO 14041.

PLUS 1163, 1st edition
*Chain of Custody for Forest Products Originating From
a Defined Forest Area Registered to CSA Standard
CAN/CSA-Z809* (price not yet available)*

The chain of custody process charts forest products from their point of origin—the defined forest area (DFA)—through all transformation stages, to the point at which the products are delivered to the final consumer. This publication outlines the chain of custody requirements for forest products originating from a DFA registered to CSA's Z809.

* **Note:** A PDF version of this document is available as a free download on CSA's Web site!

Nouvelles parutions en français

CAN/CSA-ISO/TR 14049-01, 1^{re} édition
*Management environnemental—Analyse du cycle
de vie—Exemples d'application de l'ISO 14041
traitant de la définition de l'objectif et du champ
d'étude et analyse de l'inventaire*
(Rapport technique ISO/TR 14049:2000
adoptée, première édition, 2000-03-15) 110 \$

L'objet du présent Rapport Technique est de fournir des exemples sur les méthodes de réalisation d'un inventaire du cycle de vie comme moyen de satisfaire certaines dispositions de l'ISO 14041. Ces exemples ne représentent qu'un échantillon des exemples susceptibles de répondre aux dispositions de la norme.

Reaffirmed Standards

Z763-96 (R2001)
*Introduction to Environmental Risk Assessment
Studies*

Z764-96 (R2001)
A Guide to Public Involvement



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
Environmental Technology			
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	2
Environmental Management Systems			
The SFM Essentials	PLUS 1136	spec	1
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	3
Environmental Management—Life Cycle Assessment— —Examples for the Application of ISO 14042	ISO 14047	ns	3
—Data Documentation Format	ISO 14048	ns	3
Definition of Household Hazardous Waste (HHW)	Z752	ns	1
Phase I Environmental Site Assessment	Z768	ne	2
Guideline for Environmental Assessment	Z770	ns	H
Environmental Compliance Auditing	Z773	ns	2
Sustainable Forest Management Requirements	Z809	ne	2

Proposed Adoption of Standards

For more information about the proposed adoption of the following ISO/IEC standards, contact Tom Bartoffy at 416-747-2636 or tom.bartoffy@csa.ca:

- **ISO/IEC 1539-1:1997**
Information Technology—Programming Languages—Fortran—Part 1: Base Language
- **ISO/IEC 1539-2:2000**
— *Part 2: Varying Length Character Strings*
- **ISO/IEC 2593:2000**
Information Technology—Telecommunications and Information Exchange Between Systems—34-pole DTE/DCE Interface Connector Mateability Dimensions and Contact Number Assignments
- **ISO/IEC 7811-6:2001**
Identification Cards—Recording Technique—Part 6: Magnetic Stripe—High Coercivity
- **ISO/IEC 7816-3:1997**
Information Technology—Identification Cards—Integrated Circuit(s) Cards with Contacts—Part 3: Electronic Signals and Transmission Protocols
- **ISO/IEC 7816-6:1996**
— *Part 6: Interindustry Data Elements*
- **ISO/IEC 7816-6:1996/Cor 1:1998**
Correction 1:1998 to ISO/IEC 7816-6:1996
- **ISO/IEC 7826-1:1994**
Information Technology—General Structure for the Interchange of Code Values—Part 1: Identification of Coding Schemes
- **ISO/IEC 7826-2:1994**
— *Part 2: Registration of Coding Schemes*
- **ISO/IEC 8072:1996**
Information Technology—OSI—Transport Service Definition
- **ISO/IEC 8073:1997**
Information Technology—OSI—Protocol for Providing the Connection-mode Transport Service
- **ISO/IEC 8073:1997/Amd 1:1998**
— *Amendment 1: "Relaxation of Class Conformance Requirements and Expedited Data Service Feature Negotiation"*
- **ISO/IEC 8208:2000**
Information Technology—Data Communications—X.25 Packet Layer Protocol for Data Terminal Equipment
- **ISO/IEC 8326:1996**
Information Technology—OSI—Session Service Definition
- **ISO/IEC 8326:1996/Amd 1:1998**
— *Amendment 1: "Efficiency Enhancements"*
- **ISO/IEC 8326:1996/Amd 2:1998**
— *Amendment 2: "Nested Connections Functional Unit"*
- **ISO/IEC 8348:1996**
Information Technology—OSI—Network Service Definition
- **ISO/IEC 8348:1996/Amd 1:1998**
— *Amendment 1: "Addition of the Internet Protocol Address Format Identifier"*
- **ISO/IEC 8473-1:1998**
Information Technology—Protocol for Providing the Connectionless-mode Network Service—Part 1: Protocol Specification
- **ISO/IEC 8473-2:1996**
— *Part 2: Provision of the Underlying Service by an ISO/IEC 8802 Subnetwork*
- **ISO/IEC 8473-5:1997**
— *Part 5: Provision of the Underlying Service by ISDN Circuit-switched B-channels*
- **ISO/IEC 8613-14:1997**
Information Technology—Open Document Architecture (ODA) and Interchange Format: Temporal Relationships and Non-linear Structures
- **ISO/IEC 8649:1996**
Information Technology—OSI—Service Definition for the Association Control Service Element
- **ISO/IEC 8649:1996/Amd 1:1997**
— *Amendment 1: "Support of Authentication Mechanisms for the Connectionless Mode"*
- **ISO/IEC 8649:1996/Amd 2:1998**
— *Amendment 2: "Fast-associate Mechanism"*
- **ISO/IEC 8650-1:1996**
Information Technology—OSI—Connection-oriented Protocol for the Association Control Service Element: Protocol Specification
- **ISO/IEC 8650-1:1996/Amd 1:1997**
— *Amendment 1: "Incorporation of Extensibility Markers"*
- **ISO/IEC 8650-1:1996/Amd 2:1998**
— *Amendment 2: "Fast-associate Mechanism"*



Proposed Adoptions (cont'd)

- **ISO/IEC 8650-2:1997**
Information Technology—OSI—Protocol Specification for the Association Control Service Element: Protocol Implementation Conformance Statement (PICS) Proforma
- **ISO/IEC 8802-3:2000**
Information Technology—Telecommunications and Information Exchange Between Systems—Local and Metropolitan Area Networks—Specific Requirements—Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications
- **ISO/IEC 8802-5:1998**
— *Part 5: Token Ring Access Method and Physical Layer Specifications*
- **ISO/IEC 8823-2:1997**
Information Technology—OSI—Connection-oriented Presentation Protocol: Protocol Implementation Conformance Statement (PICS) Proforma
- **ISO/IEC 8824-1:1998**
Information Technology—Abstract Syntax Notation One (ASN.1): Specification of Basic Notation
- **ISO/IEC 8824-2:1998**
— *Information Object Specification*
- **ISO/IEC 8824-3:1998**
— *Constraint Specification*
- **ISO/IEC 8824-4:1998**
— *Parameterization of ASN.1 Specifications*
- **ISO/IEC 8825-1:1998**
Information Technology—ASN.1 Encoding Rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER)
- **ISO/IEC 9040:1997**
Information Technology—OSI—Virtual Terminal Basic Class Service
- **ISO/IEC 9041-1:1997**
Information Technology—OSI—Virtual Terminal Basic Class Protocol—Part 1: Specification
- **ISO/IEC 9075-3:1999**
Information Technology—Database Languages—SQL—Part 3: Call-Level Interface (SQL/CLI)
- **ISO/IEC TR 9577:1999**
Information Technology—Protocol Identification in the Network Layer
- **ISO/IEC 9594-1:1998**
Information Technology—OSI—The Directory: Overview of Concepts, Models and Services
- **ISO/IEC 9594-2:1998**
— *Models*
- **ISO/IEC 9594-3:1998**
— *Abstract Service Definition*
- **ISO/IEC 9594-4:1998**
— *Procedures for Distributed Operation*
- **ISO/IEC 9594-5:1998**
— *Protocol Specifications*
- **ISO/IEC 9594-6:1998**
— *Selected Attribute Types*
- **ISO/IEC 9594-7:1998**
— *Selected Object Classes*
- **ISO/IEC 9594-8:1998**
— *Authentication Framework*
- **ISO/IEC 9594-9:1998**
— *Replication*
- **ISO/IEC 9595:1998**
Information Technology—OSI—Common Management Information Service
- **ISO/IEC 9596-1:1998**
Information Technology—OSI—Common Management Information Protocol—Part 1: Specification
- **ISO/IEC 9646-3:1998**
Information Technology—OSI—Conformance Testing Methodology and Framework—Part 3: The Tree and Tabular Combined Notation (TTCN)
- **ISO/IEC 9798-1:1997**
Information Technology—Security Techniques—Entity Authentication—Part 1: General
- **ISO/IEC 9798-2:1999**
— *Part 2: Mechanisms Using Symmetric Encipherment Algorithms*
- **ISO/IEC 9798-3:1998**
— *Part 3: Mechanisms Using Digital Signature Techniques*
- **ISO/IEC 9798-4:1999**
— *Part 4: Mechanisms Using a Cryptographic Check Function*



- **ISO/IEC 9805-1:1998**
Information Technology–OSI–Protocol for the Commitment, Concurrency and Recovery Service Element: Protocol Specification
- **ISO/IEC 9945-1:1996**
Information Technology–Portable Operating System Interface (POSIX)–Part 1: System Application Program Interface (API) [C Language]
- **ISO/IEC 10021-2:1996**
Information Technology–Message Handling Systems (MHS): Overall Architecture
- **ISO/IEC 10021-4:1997**
Information Technology–Message Handling Systems (MHS): Message Transfer System: Abstract Service Definition and Procedures
- **ISO/IEC 10021-5:1999**
Information Technology–Message Handling Systems (MHS): Message Store: Abstract Service Definition
- **ISO/IEC 10021-6:1996**
Information Technology–Message Handling Systems (MHS): Protocol Specifications
- **ISO/IEC 10021-7:1997**
Information Technology–Message Handling Systems (MHS): Interpersonal Messaging System
- **ISO/IEC 10021-7:1997/Amd 1:1998**
— *Amendment 1: "Security Error Diagnostic Codes"*
- **ISO/IEC 10021-7:1997/Cor 1:1998**
Correction 1:1998 to ISO/IEC 10021-7:1997
- **ISO/IEC 10021-7:1997/Cor 2:2000**
Correction 2:2000 to ISO/IEC 10021-7:1997
- **ISO/IEC 10021-8:1999**
Information Technology–Message Handling Systems (MHS)–Part 8: Electronic Data Interchange Messaging Service
- **ISO/IEC 10021-9:1999**
Information Technology–Message Handling Systems (MHS): Electronic Data Interchange Messaging System
- **ISO/IEC 10116:1997**
Information Technology–Security Techniques–Modes of Operation for an n-bit Block Cipher
- **ISO/IEC 10118-1:2000**
Information Technology–Security Techniques–Hash-functions–Part 1: General
- **ISO/IEC 10118-2:2000**
Information Technology–Security Techniques–Hash-functions–Part 2: Hash-functions Using an n-bit Block Cipher
- **ISO/IEC 10168-4:1996**
Information Technology–OSI–Conformance Test Suite for the Session Protocol–Part 4: Test Management Protocol Specification
- **ISO/IEC ISP 10611-1:1997**
Information Technology–International Standardized Profiles AMH1n–Message Handling Systems–Common Messaging–Part 1: MHS Service Support
- **ISO/IEC ISP 10611-2:1997**
— *Part 2: Specification of ROSE, RTSE, ACSE, Presentation and Session Protocols for Use by MHS*
- **ISO/IEC ISP 10611-3:1997**
— *Part 3: AMH11–Message Transfer (P1)*
- **ISO/IEC ISP 10611-4:1997**
— *Part 4: AMH12 and AMH14–MTS Access (P3) and MTS 94 Access (P3)*
- **ISO/IEC ISP 10611-5:1997**
— *Part 5: AMH13–MS Access (P7)*
- **ISO/IEC 10646-1:2000**
Information Technology–Universal Multiple-Octet Coded Character Set (UCS)–Part 1: Architecture and Basic Multilingual Plane
- **ISO/IEC 10737:1998**
Information Technology–Elements of Management Information Related to OSI Transport Layer
- **ISO/IEC 10742:1994/Amd 3:1996**
Information Technology–Telecommunications and Information Exchange Between Systems–Elements of Management Information Related to OSI Data Link Layer Standards. Amendment 3: "Addition of New Counter Attributes"
- **ISO/IEC 11518-2:2000**
Information Technology–High-Performance Parallel Interface–Part 2: Framing Protocol (HIPPI-FP)
- **ISO/IEC 11518-6:2000**
— *Part 6: Physical Switch Control (HIPPI-SC)*
- **ISO/IEC 11572:2000**
Information Technology–Telecommunications and Information Exchange Between Systems–Private Integrated Services Network–Circuit Mode Bearer Services–Inter-exchange Signalling Procedures and Protocol



Proposed Adoptions (cont'd)

- **ISO/IEC 11574:2000**
Information Technology—Telecommunications and Information Exchange Between Systems—Private Integrated Services Network—Circuit-mode 64 kbit/s Bearer Services—Service Description, Functional Capabilities and Information Flows
- **ISO/IEC 11756:1999**
Information Technology—Programming Languages—M
- **ISO/IEC 11770-3:1999**
Information Technology—Security Techniques—Key Management—Part 3: Mechanisms Using Asymmetric Techniques
- **ISO/IEC ISP 12062-1:1998**
Information Technology—International Standardized Profiles AMH2n—Message Handling Systems—Interpersonal Messaging—Part 1: IPM MHS Service Support
- **ISO/IEC ISP 12068-2:1996**
Information Technology—International Standardized Profile FDI 4—Directory Data Definitions—Use of the Directory for OSI TP—Part 2: FDI 42—Enhanced Naming and Addressing
- **ISO/IEC ISP 12071-1:1997**
Information Technology—International Standardized Profile FCG-nnn—Computer Graphics Metafile Interchange Format—Part 1: FCG11—Basic Scientific and Technical Graphics (BST)
- **ISO/IEC ISP 12071-2:1997**
— Part 2: FCG23—Advanced Scientific and Technical Graphics (AST)
- **ISO/IEC ISP 12071-3:1997**
— Part 3: FCG32—Basic Presentation and Visualization—Model Profile
- **ISO/IEC ISP 12071-4:1997**
— Part 4: FCG33—Advanced Presentation and Visualization (APV)
- **ISO/IEC 13210:1999**
Information Technology—Requirements and Guidelines for Test Methods Specifications and Test Method Implementations for Measuring Conformance to POSIX Standards
- **ISO/IEC 13522-5:1997**
Information Technology—Coding of Multimedia and Hypermedia Information—Part 5: Support for Base-level Interactive Applications
- **ISO/IEC 13522-5:1997/Cor 1:1999**
Correction 1:1999 to ISO/IEC 13522-5:1997
- **ISO/IEC 13650-2:1997**
Information Technology—OSI—Conformance Test Suite for the OSI TP Protocol—Part 2: Test Management Protocol Specification
- **ISO/IEC 13816:1997**
Information Technology—Programming Languages, Their Environments and System Software Interfaces—Programming Language ISLISP
- **ISO/IEC 13818-3:1998**
Information Technology—Generic Coding of Moving Pictures and Associated Audio Information—Part 3: Audio
- **ISO/IEC 13818-6:1998**
— Part 6: Extensions for DSM-CC
- **ISO/IEC 13818-6:1998/Cor 1:1999**
Correction 1:1999 to ISO/IEC 13818-6:1998
- **ISO/IEC 13818-7:1997**
Information Technology—Generic Coding of Moving Pictures and Associated Audio Information—Part 7: Advanced Audio Coding (AAC)
- **ISO/IEC 13818-7:1997/Cor 1:1998**
Correction 1:1998 to ISO/IEC 13818-7:1997
- **ISO/IEC 13863:1998**
Information Technology—Telecommunications and Information Exchange Between Systems—Private Integrated Services Network—Specification, Functional Model and Information Flows—Path Replacement Additional Network Feature
- **ISO/IEC 13874:1999**
Information Technology—Telecommunications and Information Exchange Between Systems—Private Integrated Services Network—Inter-exchange Signalling Protocol—Path Replacement Additional Network Feature
- **ISO/IEC 14608-1:1997**
Information Technology—OSI—The Directory: Directory Access Protocol—Protocol Implementation Conformance Statement (PICS) Proforma
- **ISO/IEC 14608-2:1997**
Information Technology—OSI—The Directory: Directory System Protocol—Protocol Implementation Conformance Statement (PICS) Proforma
- **ISO/IEC 14662:1997**
Information Technology—Open-EDI Reference Model



- **ISO/IEC 14755:1997**
Information Technology—Input Methods to Enter Characters From the Repertoire of ISO/IEC 10646 with a Keyboard or Other Input Device
- **ISO/IEC 14766:1997**
Information Technology—Telecommunications and Information Exchange Between Systems—Use of OSI Applications Over the Internet Transmission Control Protocol (TCP)
- **ISO/IEC 14977:1996**
Information Technology—Syntactic Metalanguage—Extended BNF
- **ISO/IEC 15056:1997**
Information Technology—Telecommunications and Information Exchange Between Systems—Private Integrated Services Network—Inter-exchange Signalling Protocol—Transit Counter Additional Network Feature
- **ISO/IEC ISP 15121-1:1997**
Information Technology—International Standardized Profile AOD1n—Interactive Manipulation of ODA Documents—Part 1: AOD11—DTAM/Read Only
- **ISO/IEC ISP 15121-2:1997**
Information Technology—International Standardized Profile AOD1n—Interactive Manipulation of ODA Documents—Part 2: AOD12—DTAM/Insert
- **ISO/IEC ISP 15121-3:1997**
— Part 3: AOD13—DTAM/Manipulation
- **ISO/IEC 15505:2000**
Information Technology—Telecommunications and Information Exchange Between Systems—Private Integrated Services Network (PISN)—Specification, Functional Model and Information Flows—Message Waiting Indication Supplementary Service
- **ISO/IEC 15506:2000**
Information Technology—Telecommunications and Information Exchange Between Systems—Private Integrated Services Network (PISN)—Inter-Exchange Signalling Protocol—Message Waiting Indication Supplementary Service

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
Telecommunications/Information Technology			
Information Technology—OSI—Systems Management Overview	ISO/IEC 10040	ns	C
Information Technology—Elements of Management Information Related to OSI Transport Layer	ISO/IEC 10737	ne	C
Information Technology—Generic Cabling for Customer Premises	ISO/IEC 11801	ns	C
Information Technology Vocabulary	Z243.58	ne	H
Telecommunications			
Telecommunications—Telephone Terminal Equipment—Requirements for Pay Telephone Keypads and Function Keys with Particular Consideration for Use by Persons with Disabilities	T516	ns	3



Proposed Adoption of Standards

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

- **ISO/TR 10013:2001**
Guidelines for Quality Management System Documentation
- **ISO 19011**
Guidelines on Quality and/or Environmental Management Systems Auditing

Reaffirmed Standards

CAN/CSA-Q830-96 (R2001)
Model Code for the Protection of Personal Information

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
Quality Assurance			
Quality Assurance Requirements for Measuring Equipment	ISO 10012	ne	3
Guideline for Developing Quality Manuals	ISO 10013	ns	1
Guidelines on Quality and/or Environmental Managing Systems Auditing	ISO 19011	ns	2
Generally Accepted Management Principles and Practices	Q900.1	spec	H



Construction Products and Materials

New Standards & Editions

G401-01, 3rd edition
Corrugated Steel Pipe Products \$50

This standard applies to the material and fabrication requirements for the following:

- corrugated steel pipe products
- spiral rib pipe products
- structural plate corrugated steel pipe products.

It covers the use of these types of pipe for applications such as culverts, storm sewers, sanitary sewers, subdrains, ground recharge systems, well casings, underpasses, stream enclosures, shelters, and tunnels.

This standard does not include requirements for hydraulic design, structural design, construction, and installation.

S6.1-00
Commentary on CAN/CSA-S6-00, "Canadian Highway Bridge Design Code" \$115

This document provides practical guidance for using CSA's standard, CAN/CSA-S6-00, "Canadian Highway Bridge Design Code." The clause-by-clause commentary includes background and rationale for the S6 requirements, along with advice for implementing them.

Nouvelles parutions en français

A23.4-00/A251-00, 3^e édition
Béton préfabriqué : Constituants et exécution des travaux/ Règles de qualification pour les éléments en béton architectural et en béton structural préfabriqués 60 \$

La norme **A23.4** traite des constituants et des méthodes à suivre pour la fabrication, le transport et la mise en place des éléments préfabriqués en béton porteurs et non porteurs ainsi que des éléments spéciaux.

La norme **A251** énonce une méthode de qualification des fabricants qui produisent du béton architectural et du béton structural préfabriqués conformément à la norme CSA A23.4.

CAN/CSA-S826 Série-01, 1^{re} édition
Embarcadères pour traversiers 75 \$

Cette série est constituée des quatre normes qui suivent, publiées sous une même couverture :

- **CAN/CSA-S826.1-01**
Embarcadères pour traversiers : conception
- **CAN/CSA-S826.2-01**
Embarcadères pour traversiers : fonctionnement (lignes directrices)
- **CAN/CSA-S826.3-01**
Embarcadères pour traversiers : inspection
- **CAN/CSA-S826.4-01**
Embarcadères pour traversiers : entretien (lignes directrices)

Z240 VC Série-99, 2^e édition
Véhicules de camping 140 \$

Cette série est constituée des cinq normes qui suivent, publiées sous une même couverture :

- **Z240.0.2-99**
Définitions et exigences générales de sécurité relatives aux véhicules de camping
- **Z240.1.2-99**
Exigences routières relatives aux véhicules de camping
- **Z240.3.2-99**
Exigences de plomberie pour véhicules de camping
- **Z240.4.2-99**
Exigences relatives à l'installation des appareils au propane dans les véhicules de camping
- **Z240.6.2/C22.2 n° 148-99**
Exigences électriques relatives aux véhicules de camping

Amendments

A23.1-00/A23.2-00
Concrete Materials and Methods of Concrete Construction/ Methods of Test for Concrete

In A23.1, revision of Clauses 14.3.1 and 21.2.2.2.
In A23.2, revision of Clause 5.3.3 in A23.2-3C.



Modifications publiées en français

A23.1-00/A23.2-00

Béton : constituants et exécution des travaux/ Essais concernant le béton

A23.1-00 : Des modifications ont été apportées aux articles 14.2.3.1, 14.3.1, 17.4.1.1.1 et B5.2.3 et au tableau 19.

A23.2-00 : Des modifications ont été apportées à A23.2-3C : article 5.3.3.

Proposed New Projects

For more information about the proposed development of the following new edition, contact Mike Lottamoza at 416-747-2745 or mike.lottamoza@csa.ca:

- **S413, 3rd edition**
Parking Structures

For more information about the proposed development of the following new editions, contact Larry Gill at 416-747-2544 or larry.gill@csa.ca:

- **B125, 9th edition**
Plumbing Fittings

Please note: Proposed amendments to B125 were announced for public review in *Info Update* 2000 No. 4 (June/July 2000). However, the number of page revisions requires that a new edition be produced rather than the originally planned amendments. The revisions leading to the new edition are the same changes that were available for public review as part of the planned amendments.

- **B196.3, 3rd edition**
PVC Underground Telecommunication Cable Ducting and Fittings

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

- **A370, 3rd edition**
Connectors for Masonry
- **A371, 4th edition**
Masonry Construction for Buildings

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

- **O118.1, 6th edition**
Western Cedar Shakes and Shingles
- **O118.2, 2nd edition**
Eastern White Cedar Shingles
- **O118.3, 2nd edition**
Northern Pine Tapersawn Shakes

Drafts

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

To receive copies of the following draft standards, or to offer comments, contact Diane Palm at 416-747-4009 or diane.palm@csa.ca:

- **S157, 4th edition**
Strength Design in Aluminum
- **S157.1, new publication**
Commentary on CSA Standard S157

To receive copies of the following proposed amendment, or to offer comments, contact Lidwina Kumar at 416-747-4188 or lidwina.kumar@csa.ca:

- **B45 Series-99, Proposed amendment**
Plumbing Fixtures

Proposed revisions to various Clauses in the series.

Reaffirmed Standards

A123.2-M1979 (R2001)
Asphalt Coated Roofing Sheets

A123.17-1963 (R2001)
Asphalt-Saturated Felted Glass-Fibre Mat for Use in Construction of Built-Up Roofs

CAN3-A123.51-M85 (R2001)
Asphalt Shingle Application on Roof Slopes 1:3 and Steeper

CAN3-A123.52-M85 (R2001)
Asphalt Shingle Application on Roof Slopes 1:6 to Less than 1:3



Proposed Withdrawal of Standards

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

- **CAN/CSA-A247-M86 (R1996)**
Insulating Fibreboard

Formal Interpretations

The following interpretation regarding CSA standard **W47.1-92, Clause 9.8.1**, has been approved by the Technical Committee for the *Certification of Companies for Fusion Welding of Steel Structures*.

Question: Would individuals that have been approved as welding examiner of an organization authorized by the provincial jurisdictional authority, ABSA, to conduct performance testing of pressure welders meet the requirements of this clause to be a certified inspector of the relevant, jurisdictional provincial government department?

Answer: No.

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
Building Materials and Masonry			
Building Performance Protocol for Office Buildings	PLUS 1149	spec	C
Asphalt Shingles Made from Organic/Glass Felt and Surfaced with Mineral Granules	A123.1/.5	ne	1
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
Masonry Connectors	A370	ne	1
Masonry Construction for Buildings	A371	ne	1
Entry Door Systems	A440.6	ns	1
Offshore Structures			
General Requirements, Design Criteria, the Environment, and Loads	S471	ne	2
Foundations	S472	ne	2
Steel Structures	S473	ne	2
Concrete Structures	S474	ne	2
Sea Operations	S475	ne	2
Floating Structures	S476	ns	1



SUBJECT	NUMBER	TYPE	STATUS
Concrete			
Concrete Materials and Methods of Concrete Construction/ Methods of Test for Concrete	A23.1/A23.2	ne	2
Plant Certification for Manufacturers of Concrete Roof Tiles	A220.0/.1/.2	ne	H
Standards for Concrete Pipe	A257	ne	1
Cementitious Materials Compendium	A3000 Series	ne	2
Welding			
General Requirements for Rolled or Welded Structural Quality Steel/ Structural Quality Steels	G40.20/.21	ne	2
Certification of Companies for Fusion Welding of Steel Structures	W47.1	ne	3
Welded Steel Construction (Metal Arc Welding)	W59	ne	4
Certification of Welding Inspection Organizations	W178.1	ne	3
Certification of Welding Inspectors	W178.2	ne	5
Performance Testing of Welders, Tack Welders, and Welding Operators for the Fusion Welding of Steel	W901	ns	4
Forest Products			
Wood Utility Poles and Reinforcing Stubs	O15	ne	H
Eastern White Cedar Shingles	O118.2	ne	H
Plumbing Products and Materials			
Cast Iron Soil Pipe, Fittings, and Means of Joining	B70	ne	4
Industrialized Building Construction			
Industrial and Commercial Storage Racking Systems	A344	ns	1
Park Model Trailers	Z241 Series	ne	H
Log Homes and Buildings	Z824	ns	H
Structures (Design)			
Design of Concrete Structures	A23.3	ne	2
Engineering Design in Wood	O86	ne	4
Design of Steel Structures	S16	ne	3
Antennas, Towers, and Antenna-Supporting Structures	S37	ne	5
Cold-Formed Steel Structural Members	S136	ne	3
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	3
Guideline for Seismic Risk Reduction of Operational and Functional Components (OFC) of Buildings	S832	ns	5



New Standards & Editions

C813.1-01, 1st edition

Performance Test Method for Uninterruptible Power Supplies \$45

This standard specifies the test method to be used in measuring the electrical characteristics of the following types of uninterruptible power supply (UPS) systems:

- standby
- on-line
- line interactive.

The UPS systems to be evaluated may be used to operate any type of linear or nonlinear load.

The standard outlines the tests to be used in determining energy efficiency and harmonic performance. The efficiency and harmonic performance are determined directly from the input and output voltage and current measurements, thus providing a fast and accurate assessment of the characteristics of the equipment.

The standard also describes the method for measuring and reporting total harmonic distortion (THD).

The test method outlined is capable of accurately assessing both full-load and partial-load characteristics.

CAN/CSA-C13256-1-01, 1st edition

Water Source Heat Pumps—Testing and Rating for Performance—Part 1: Water-to-Air and Brine-to-Air Heat Pumps (Adopted ISO 13256-1:1998 with Canadian deviations, first edition, 1998-08-15) . \$105

This standard establishes performance testing and rating criteria for factory-made residential, commercial and industrial, electrically-driven, mechanical-compression type, water-to-air and brine-to-air heat pumps. These requirements are based on the use of matched assemblies.

This standard does not apply to the testing and rating of individual assemblies for separate use, nor to the testing and rating of heat pumps covered in ISO 5151, ISO 13253 or ISO 13256-2.

CAN/CSA-C13256-2-01, 1st edition

Water Source Heat Pumps—Testing and Rating for Performance—Part 2: Water-to-Water and Brine-to-Water Heat Pumps (Adopted ISO 13256-2:1998 with Canadian deviations, first edition, 1998-08-15) . . \$70

This standard establishes performance testing and rating criteria for factory-made residential, commercial

and industrial, electrically-driven, mechanical-compression type, water-to-water and brine-to-water heat pumps. These requirements are based on the use of matched assemblies.

This standard does not apply to the testing and rating of individual assemblies for separate use or to units having two or more indoor sections connected to a single outdoor section. It does not apply to heat pumps covered in ISO 5151, ISO 13253 or ISO 13256-1.

Z245.11-01, 4th edition

Steel Fittings \$70

This standard covers wrought steel butt welding fittings, including extruded headers and factory-produced bends, primarily intended for use in oil or gas pipeline systems.

The standard covers fittings:

- in sizes from NPS 1/2 to NPS 60, inclusive
- from Grade 207 to Grade 550, inclusive
- in Category I or II:
 - Category I — fittings without requirements for proven notch-toughness properties
 - Category II — fittings with requirements for proven notch-toughness properties.

This standard does not cover assemblies. (An assembly is a grouping of fittings or flanges, or both, joined by one or more circumferential welds.)

Z245.12-01, 4th edition

Steel Flanges \$75

This standard covers wrought steel flanges primarily intended for use in oil or gas pipeline systems.

The standard covers flanges:

- in sizes from NPS 1/2 to NPS 60, inclusive
- from Grade 248 to Grade 483, inclusive
- having cold working-pressure ratings designated by nominal pressure classes from PN 20 to PN 420, inclusive
- in Category I or II:
 - Category I — flanges without requirements for proven notch-toughness properties
 - Category II — flanges with requirements for proven notch-toughness properties.

This standard does not cover assemblies. (An assembly is a grouping of fittings or flanges, or both, joined by one or more circumferential welds.)



Z245.15-01, 4th edition

Steel Valves \$90

This standard covers the following types of steel valves, mainly intended for use in oil or gas pipeline systems:

- gate valves
- plug valves
- ball valves
- check valves.

The standard covers valves:

- in sizes from NPS 2 to NPS 60, inclusive
- having cold working-pressure ratings designated by nominal pressure classes from PN 20 to PN 420, inclusive
- in Category I or II:
 - Category I — valves without requirements for proven notch-toughness properties
 - Category II — valves with requirements for proven notch-toughness properties.

This standard covers standard end requirements for flanged, buttwelding, and wafer-type valves. Other end configurations are considered non-standard and are subject to agreement between the buyer and the manufacturer.

individuels destinés à une utilisation séparée, ni aux essais ni à la détermination des caractéristiques des pompes à chaleur relevant de l'ISO 5151, de l'ISO 13253 ou de l'ISO 13256-2.

CAN/CSA-C13256-2-01, 1^{re} édition

Pompes à chaleur à eau—Essais et détermination des caractéristiques de performance—Partie 2 : Pompes à chaleur eau-eau et eau glycolée-eau (norme ISO 13256-2:1998 adoptée avec exigences propres au Canada, première édition, 1998-08-15) 70 \$

Cette norme définit les critères d'essai et de détermination des caractéristiques de performance des pompes à chaleur eau-eau et eau glycolée-eau, à usage résidentiel, commercial ou industriel, entraînées par moteur électrique, à compression mécanique et fabriquées en usine. Les exigences d'essai et de détermination des performances fixées par cette norme sont basées sur l'utilisation de montages adaptés.

Cette norme ne s'applique ni aux essais ni à la détermination des caractéristiques des montages individuels destinés à une utilisation séparée, ni aux appareils ayant plusieurs sections intérieures raccordées à une seule section extérieure. Elle ne s'applique pas aux pompes à chaleur relevant de l'ISO 5151, de l'ISO 13253 ou de l'ISO 13256-1.

Nouvelles parutions en français

C360-98, 4^e édition

Rendement énergétique, consommation d'eau et capacité des machines à laver électrodomestiques . . . 65 \$

Cette norme porte sur les machines à laver électrodomestiques compactes et standard, à axe vertical et à axe horizontal.

CAN/CSA-C13256-1-01, 1^{re} édition

Pompes à chaleur à eau—Essais et détermination des caractéristiques de performance—Partie 1 : Pompes à chaleur eau-air et eau glycolée-air (norme ISO 13256-1:1998 adoptée avec exigences propres au Canada, première édition, 1998-08-15) 105 \$

Cette norme définit les critères d'essai et de détermination des caractéristiques de performance des pompes à chaleur eau-air et eau glycolée-air, à usage résidentiel, commercial ou industriel, entraînées par moteur électrique, à compression mécanique et fabriquées en usine. Les exigences d'essai et de détermination des performances fixées par cette norme sont basées sur l'utilisation de montages adaptés.

Cette norme ne s'applique ni aux essais ni à la détermination des caractéristiques des montages

Amendments

CAN/CSA-Z341-98

Storage of Hydrocarbons in Underground Formations

Revision of Contents, Clauses 2.1, 3.1, 4.3, 9.2.2, 9.3.2, 9.3.7, 10.2.2.2, 10.3.2.2, and 10.3.2.5.

Addition of Clauses 10.2.1.8, 10.3.1.8, and Figure 4.1.

Z662-99

Oil and Gas Pipeline Systems

Revision of the Contents, Clauses 2.1, 3.1, Table 4.1, Table 5.3, Figure 5.1, Clauses 6.5.7, 7.2.1.4, 7.2.1.5, 7.2.1.7, Figure 7.3, Clause 7.2.5.2.2.3(e), Table 7.3, Clause 7.2.5.4.2.1.1, Figures 7.8 and 7.10, Clauses 7.2.5.4.2.1.2, 7.2.5.4.2.3.1, Figure 7.14, Clauses 7.2.6.1.3, 7.2.6.1.4, 7.2.6.4, 7.2.11.1.5, Table 7.9, Clauses 7.2.12.3.2, 7.2.12.5, 7.2.12.9.1.2, 7.2.12.9.4, 7.3.4.4, 8.2.5.1, 8.2.6.4, 9.2, 9.2.5, 9.2.9.1, 9.2.10.2.1, 9.2.10.2.4, 9.4, 9.5, 11.7.1, 11.7.4, 11.7.5, 13.1.3.1, 15.4.1, 15.4.1.1, 15.7.2.3, C8.12, F5.2, and Table K1.



Proposed New Projects

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

- **C390, 4th edition**
Energy Efficiency Test Methods for Three-Phase Induction Motors
- **C747, 2nd edition**
Energy Efficiency for Single-and Three-Phase Small Motors

Drafts

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

To receive copies of the following draft standards, or to offer comments, contact Laura Pelan at 416-747-2590 or laura.pelan@csa.ca:

- **C679, 1st edition**
Installation and Maintenance of Farm Stand-by Electric Power
- **C743, 2nd edition**
Performance Standard for Rating Packaged Water Chillers
- **N285.6 Series, 2nd edition**
Material Standards for Reactor Components for CANDU Nuclear Power Plants

Reaffirmed Standards

CAN3-N290.1-80 (R2001)
Requirements for the Shutdown Systems of CANDU Nuclear Power Plants

CAN3-N290.4-M82 (R2001)
Requirements for the Reactor Regulating Systems of CANDU Nuclear Power Plants

CAN/CSA-N290.5-M90 (R2001)

Requirements for the Support Power Systems of CANDU Nuclear Power Plants

CAN3-N290.6-M82 (R2001)

Requirements for Monitoring and Display of CANDU Nuclear Power Plant Status in the Event of an Accident

N292.2-96 (R2001)

Dry Storage of Irradiated Fuel

Formal Interpretations

The following interpretations, regarding **N285.0, Clause 5.1.2**, have been formally approved by the Technical Committee on CANDU Nuclear Power Plant Systems and Components.

Question (a): Does the N285.0-95 standard require pressure retaining systems having a design pressure equal to or less than 103 kPa and containment systems with a design pressure equal to or less than 35 kPa, and their supports to be classified?

Answer: No.

Question (b): For systems having a design pressure at or below 103 kPa (15psi), is N/A in the classification column adequate in the SCL?

Answer: The standard has no position on this question.

Question (c): Does the System Classification List require the CNSC approval when systems having design pressure equal to or below 103 kPa (15psi) are added?

Answer: The standard has no position on this question.

Question (d): For systems having a design pressure at or below 103 kPa (15psi), (if CNSC approval, for the SCL is not required) do the standards deemed by the licensee to be suitable for the service conditions require the CNSC's approval?

Answer: The standard has no position on this question.



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
Performance, Energy Efficiency, and Renewables			
Performance Standard for Dusk-to-Dawn Luminaires	C239	ne	3
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
Energy Efficient Test Methods for Three-Phase Induction Motors	C390	ne	1
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	3
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	1
Maximum Losses for Power Transformers	C802.3	ns	4
Small Fluid Pumps	C820	ns	2
Performance of Internally Lighted Exit Signs	C860	ne	5
Performance of Incandescent Reflector Lamps	C862	ne	5
Performance of Ballast for Use With High Intensity Discharge Lamps	C863	ns	2
Crystalline Silicon Terrestrial Photovoltaic (PV) Modules Design Qualification and Type Approval	C61215	ns	4
Residential Mechanical Ventilation Systems	F326	ne	2
Fire Safety and Fuel Burning Equipment			
Installation Code for Oil Burning Equipment	B139	ne	2
General Requirements for Oil Burning Equipment	B140.0	ne	3
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	1
Oil-Fired Service Water Heaters and Swimming Pool Heaters	B140.12	ne	3
Installation Code for Hydronic Heating Systems	B214	ne	5
Mechanical Flue-Gas Exhausters	B255	ne	2
Installation and Maintenance of Farm Stand-by Electric Power	C679	ns	3
Nuclear			
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



SUBJECT	NUMBER	TYPE	STATUS
Material Standards for Reactor Components for CANDU Nuclear Power Plants (This series consists of N285.6.1–N285.6.11.)	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	4
Fire Protection for CANDU Nuclear Power Plants	N293	ne	1
Oil & Gas Industry Systems			
Steel Line Pipe	Z245.1	ne	3
Coiled Aluminum Line Pipe and Accessories	Z245.6	ne	3
External Fusion Bond Epoxy Coating for Steel Pipe	Z245.20	ne	3
External Polyethylene Coating for Pipe	Z245.21	ne	3
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