



INFO UPDATE

Volume 3 May 2002

Issue date: May 8, 2002

Deadline for comments: July 8, 2002

Update on Sustaining Membership

We are pleased to announce that in the past year more than 90 companies have joined our **Sustaining Membership program**. These companies represent a wide array of fields, including Health and Safety, Communications, Construction, and Electrical. They also represent many municipal and regional governments.

In this issue, we would like to take the opportunity to welcome our new **Far East** members:

- Procomp Informatics Ltd.
- Dashing Electric & Plastic Co. Ltd.
- High & Low Corporation
- ITA Developing Company, Ltd.
- Hens Specialty Co. Ltd.
- Shower Morli Enterprise Co. Ltd.
- Coretronic Corporation.

All Sustaining Members play an important role in the CSA standards-development process, which defines requirements for safety, quality, and performance. The annual membership fee is allocated directly towards standards-development activities. This meaningful contribution helps improve the lives of millions of people throughout North America and the world.

In the next issue of *Info Update*, we will introduce you to our new **North American** members.

For more information about membership, please contact:

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E-mail: catharine.wenzel@csa.ca

Des nouvelles de nos membres de soutien

Nous sommes heureux d'annoncer qu'au cours de la dernière année plus de 90 entreprises se sont jointes à notre **Programme de membres de soutien**. Ces entreprises représentent un éventail de domaines tels la santé et la sécurité, les communications, la construction et l'électricité. Elles représentent aussi bon nombre de gouvernements municipaux et régionaux.

Dans cette parution, nous aimerions souhaiter la bienvenue à nos nouveaux membres de l'**Extrême Orient** :

- Procomp Informatics Ltd
- Dashing Electric & Plastic Co. Ltd
- High & Low Corporation
- ITA Developing Company, Ltd
- Hens Specialty Co. Ltd
- Shower Morli Enterprise Co. Ltd
- Coretronic Corporation.

Les membres de soutien jouent un rôle important au sein du processus d'élaboration des normes de la CSA lesquelles définissent les exigences de sécurité, de qualité et de rendement. La cotisation annuelle des membres est versée directement aux activités d'élaboration des normes. Cette importante contribution permet d'améliorer la qualité de vie de million de gens partout en Amérique du Nord et dans le monde.

Dans la prochaine parution de *Info Update*, nous vous présenterons nos nouveaux membres de l'**Amérique du Nord**.

Pour plus de renseignements, veuillez communiquer avec :

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Mark your calendar for the
CSA 2002 Annual Conference!
June 16-18, Victoria, B.C.

Sortez votre agenda !
Conférence annuelle 2002 de la CSA
du 16 au 18 juin
à Victoria en Colombie-Britannique.



Gas Equipment

New Standards & Editions

Errata: In *Info Update* 2002 Volume 2 (March/April), in the Gas Equipment program, the four documents in the "New Standards & Editions" section were shown with incorrect ANSI designations. The correct designations are:

- ANSI Z21.10.3-2001/CSA 4.3-2001
- ANSI Z21.19-2002/CSA 1.4-2002
- ANSI Z21.47a-2001/CSA 2.3a-2001
- ANSI Z21.56-2001/CSA 4.7-2001.

CSA regrets any inconvenience caused by this error.

CSA 12.2-02, 2nd edition

Propane Fuel System Components for Use on Highway Vehicles \$140

This standard applies to the construction and performance of new propane fuel system components that provide motive power to highway vehicles with internal combustion engines.

CSA P.4.1-02, 1st edition

Testing Method for Measuring Annual Fireplace Efficiency \$200

This standard provides a method for measuring annual fireplace efficiency. The standard applies to vented gas fireplaces approved to CSA standard ANSI Z21.50/CSA 2.22 and to vented gas fireplace heaters approved to CSA standard ANSI Z21.88/CSA 2.33 that use natural gas or propane.

This standard includes the following:

- a test method for cyclic and part load performance
- methods for interpolating and extrapolating test data
- calculation procedures for establishing seasonal performance.

ANSI Z21.10.1-2001/CSA 4.1-2001, 2nd edition

Gas Water Heaters, Volume I, Storage Water Heaters with Input Ratings Below 75,000 Btu Per Hour \$440

This standard details test and examination criteria for automatic storage water heaters with input ratings of 75,000 Btu per hour (21 980 W) or less for use with natural, manufactured and mixed gases, liquefied petroleum gases, and LP gas-air mixtures.

ANSI Z21.86a-2002/CSA 2.32a-2002

Addenda to "Vented Gas-Fired Space Heating Appliances" \$40

This document provides revisions to ANSI Z21.86-2000/CSA 2.32-2000.

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 July 8, 2002.

To receive copies of the following, or to offer comments, contact Mary Lehoveczki at 416-747-4367 or mary.lehoveczki@csa.ca:

- ANSI Z21.58/CGA 1.6, 2nd edition
Outdoor Cooking Gas Appliances
- ANSI Z21.81/CSA 6.25, proposed addenda "b"
Cylinder Connection Devices
- ANSI Z21.89/CSA 1.18, proposed addenda "a"
Specialty Cooking Appliances

Formal Interpretations

The following interpretation regarding ANSI/IAS NGV 4.2-1998/CSA 12.52-M98, *Hoses for Natural Gas Vehicles and Dispensing Systems*, Clause 1, has been approved by the Technical Committee on Natural Gas Powered Vehicles and Fuelling.

Question: Section 1.3.10 states that "Any dispenser hose assembly shall have a maximum length of 5 meters (16.4 feet)." The question at issue is whether the intent of this section is to apply to ALL "...compressed natural gas hose assemblies which are used for NGV dispensing stations..." as inferred in Section 1.1.1 or only to public access stations. In the case of private stations and slow-fill stations, longer hoses are often necessary and may not pose the safety concerns which one might see in a public-access station.

Answer: No. This standard as published is intended for use in the fast fill mode regardless of being a private or a public facility.



Certification Notices

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

Effective Date	Subject	Title
May 31, 2002	Extension of effective date for CSA standard 6.19-01, <i>Residential Carbon Monoxide Alarming Devices</i> . (Supplements "Carbon Monoxide Detectors and Alarms No. 3.")	Carbon Monoxide Detectors and Alarms No. 4

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
Outdoor Cooking Specialty Gas Appliances	1.18/ANSI Z21.89	ne	5
Accessories			
Service Regulators	6.18	ne	5
Natural Gas and Propane Vehicle Fuel Systems and Industrial Engines			
Natural Gas Vehicle Fueling Station Compressor Guidelines	12.8/ANSI NGV 4.8	ns	5
Automatic Pressure Operated Valves for Natural Gas Dispensing Systems	12.57/ANSI NGV 4.7	ns	4



New Standards & Editions

B354.4-02, 2nd edition

Self-Propelled Boom-Supported Elevating Work Platforms \$60

This standard applies to self-propelled, boom-supported, integral chassis elevated work platforms that have a platform capable of being positioned completely beyond the base and that are used to position personnel at work locations, along with their necessary tools and materials.

The purpose of this standard is to specify the minimum requirements for design, manufacture, remanufacture, rebuild/recondition, testing, performance, inspection, training, maintenance, and safe operation, in order to achieve the following objectives:

- the prevention of personal injuries and accidents
- a uniformity in ratings
- an understanding by manufacturers, dealers, installers, maintenance personnel, operators, owners, and users of their respective responsibilities.

D409-02, 3rd edition

Motor Vehicles for the Transportation of Persons with Physical Disabilities \$60

This standard applies to motor vehicles other than passenger cars (as defined in Section 2 of the *Motor Vehicle Safety Act* (Canada)) designed and manufactured (or converted) and equipped for transporting persons with physical disabilities.

This standard specifies the following:

- the design and manufacture of the vehicle, lifts, and ramps
- the mobility aid location and securement
- the required safety equipment.

M669-02, 3rd edition

Lighting and Marking of Agricultural Equipment on Highways (Adopted ANSI/ASAE S279.11 APR01) \$35

This standard provides specifications for the lighting and marking of agricultural equipment whenever it is operating or is travelling on a highway.

M675-02, 2nd edition

Braking System Test Procedures and Braking Performance Criteria for Agricultural Field Equipment (Adopted ASAE S365.3 JAN01, with Canadian deviations) \$35

This standard establishes requirements, minimum performance criteria, and performance test procedures for braking systems on agricultural field equipment.

The standard applies to the operation and parking of agricultural field equipment equipped with one or more braking systems and having a maximum design speed greater than 6 km/h (3.7 miles/h).

Combinations of agricultural towing machines equipped with braking systems and towed agricultural machines without braking systems are included.

Z94.2-02, 6th edition

Hearing Protection Devices—Performance, Selection, Care, and Use \$60

This standard covers the following:

- performance and testing requirements for personal hearing protection devices
- the selection, care, and use of hearing protection devices as required for an effective hearing conservation program.

The following types of hearing protectors are covered: earplugs, earmuffs, communication headsets, and helmets equipped with earmuffs.

Z94.3.1-02, 1st edition

Protective Eyewear: A User's Guide \$15

The purpose of this user's guide is to provide advice for the proper selection of eye protection in relation to the specific hazardous activity involved. The guide does not identify all hazards.

Z195-02, 5th edition

Protective Footwear \$50

This standard deals with new protective footwear and includes requirements for two grades of toe impact resistance, as well as special requirements for sole plate performance, metatarsal protection, electric-shock protection, sole flexation, conductivity, and chainsaw protection.

This standard also provides requirements for static-dissipative footwear, with and without toe impact resistance.



New Standards & Editions (cont'd)

Z195.1-02, 1st edition

Guideline on Selection, Care, and Use of Protective Footwear \$15

The purpose of this guideline is to:

- help footwear users and their employers to select the best footwear protection available for their particular working environment and job functions
- help employers, safety committees, and workers to identify potential risks and hazards requiring protective footwear in their workplace
- help employers and safety committees to establish and maintain safety footwear programs that meet the requirements of reasonable care (due diligence) and continuous improvement in the prevention of injuries
- provide users with helpful tips for the proper selection, maintenance, and disposal of safety footwear, including personal hygiene practices.

Z262.6-02, 1st edition

Specifications for Facially Featured Headforms \$35

This standard specifies the dimensional and material requirements for facially featured headforms to be used in the testing (especially impact protection testing) of full-face protection and eye protection equipment.

CAN/CSA-Z431-02, 2nd edition (bilingual)

Basic and Safety Principles for Man-Machine Interface, Marking and Identification—Coding Principles for Indication Devices and Actuators (Adopted CEI/IEC 60073:1996, fifth edition) \$45

This standard establishes general rules for assigning particular meanings to certain visual, acoustic and tactile indications in order to:

- increase the safety of persons, property and/or the environment through the safe monitoring and control of the equipment or process
- facilitate the proper monitoring, control and maintenance of the equipment or process
- facilitate the rapid recognition of control conditions and actuator positions.

This standard is for general application for a wide variety of equipment and situations.

CAN/CSA-Z7396-2-02, 1st edition

Medical Gas Pipeline Systems—Part 2: Anaesthetic Gas Scavenging Disposal Systems (Adopted ISO 7396-2:2000, first edition, with Canadian deviations) \$90

This standard specifies requirements for the installation, function, performance, documentation, testing, and commissioning of anaesthetic gas scavenging disposal systems, to ensure patient and operator safety. It includes requirements for the power device, the pipeline system, and performance, and for non-interchangeability between key components.

This standard specifies:

- the compatibility between, and safe performance of, the disposal system and the other components of the AGSS by design, installation, and commissioning
- the use of appropriate materials
- the testing for correct installation of the completed system to ensure achievement of the performance intended by the manufacturer
- the marking of pipeline and components.

CAN/CSA-Z10524-02, 1st edition

Pressure Regulators and Pressure Regulators with Flow-Metering Devices for Medical Gas Systems (Adopted ISO 10524:1995, first edition, including Technical Corrigendum 1:1996, with Canadian deviations) \$80

This standard specifies requirements for pressure regulators and pressure regulators with flow-metering devices, intended for the administration of medical gases in the treatment, management, diagnostic evaluation, and care of patients. It applies to several types of pressure regulators, for use with the following medical gases:

- air
- carbon dioxide
- helium
- oxygen
- nitrogen
- nitrous oxide
- xenon
- mixtures of oxygen and carbon dioxide
- mixtures of oxygen and helium
- mixtures of oxygen and nitrogen
- mixtures of oxygen and nitrous oxide.



New Standards & Editions (cont'd)

CAN/CSA-Z15002-02, 1st edition
Flow-Metering Devices for Connection to Terminal Units of Medical Gas Pipeline Systems (Adopted ISO 15002:2000, first edition, with Canadian deviations) \$65

This standard applies to the following:

- flow-metering devices that are connected (either directly or by means of flexible connecting assemblies) and disconnected by the operator at terminal units of a medical gas pipeline system for the measurement and delivery of medical gases
- flow-metering devices connected and disconnected by the operator at gas-specific connection points of devices such as pressure regulators.

The standard applies only to flow-metering devices for the following medical gases: oxygen; nitrous oxide; air for breathing; carbon dioxide; helium; xenon; specified mixtures of these gases; and 50/50 oxygen/nitrous oxide mixtures (% volume fraction).

Nouvelles parutions en français

B44-00, 9^e édition
Code de sécurité sur les ascenseurs et monte-charge 225 \$

Ce code vise la conception, la construction, le fonctionnement, l'inspection, la mise à l'essai, l'entretien, la modification et la réparation du matériel suivant, de ses accessoires et gaines s'ils sont installés dans un bâtiment ou une structure ou à proximité de telles constructions :

- a) les mécanismes de levage et de descente à cabine ou plate-forme et qui se déplacent entre deux paliers ou plus. Ce matériel comprend notamment les ascenseurs et monte-charge ;
- b) les escaliers et les passerelles motorisés qui transportent des passagers d'un palier à un autre. Ce matériel comprend notamment les escaliers mécaniques et les trottoirs roulants ;
- c) les mécanismes de levage et de descente à cabine qui desservent plus de deux paliers et qui servent exclusivement au transport de matériaux en raison de leurs dimensions réduites ou du fait que la cabine est difficile d'accès. Ce matériel comprend notamment les petits monte-charge et les monte-matériaux.

Nouvelles parutions (suite)

Z76.2-00, 1^{re} édition
Emballages de sécurité non réutilisables pour enfants 40 \$

Cette norme vise les emballages non réutilisables qui contiennent des médicaments ou d'autres substances liquides ou solides et qui comportent des éléments de sécurité pour enfants destinés à rendre plus difficile aux enfants l'accès au contenu de l'emballage.

Cette norme présente une méthode normalisée qui permet de déterminer le nombre d'unités ou de cellules d'un emballage non réutilisable que des enfants peuvent ouvrir et fixe une limite au-delà de laquelle on considère que les emballages ne sont pas conformes à cette norme. Cette norme fournit aussi une méthode pour déterminer le nombre d'unités ou de cellules que peuvent ouvrir des adultes âgés.

La norme décrit les essais physiques minimaux qui doivent être effectués pour assurer que la production subséquente des emballages de sécurité non réutilisables sera conforme à cette norme.

Cette norme ne vise pas les emballages ou éléments de sécurité réutilisables. Ils sont traités par la norme CSA Z76.1.

Z314.3-01, 4^e édition
Stérilisation effective à la vapeur dans les établissements de santé 65 \$

Cette norme énonce les points essentiels d'un programme d'utilisation de la vapeur pour stériliser les dispositifs médicaux dans les établissements de santé afin d'atteindre un niveau adéquat de stérilité et de réduire au minimum les risques d'accident pour le personnel qui utilise le matériel de stérilisation à la vapeur.

Cette norme énonce des exigences visant :

- a) les aires de travail ;
- b) les compétences et la formation du personnel ;
- c) la préparation et l'emballage des dispositifs médicaux nécessitant une stérilisation ;
- d) le chargement et le fonctionnement des stérilisateurs ;
- e) l'entreposage des dispositifs médicaux stérilisés ;
- f) l'assurance de la stérilité, notamment la préparation et l'utilisation de paquets de contrôle ;
- g) l'évaluation des produits (produits stérilisables et matériaux d'emballage) ;
- h) l'entretien et l'assurance de la qualité des stérilisateurs.



Nouvelles parutions (suite)

CAN/CSA-Z431-02, 2^e édition (bilingue)

Principes fondamentaux et de sécurité pour les interfaces homme-machines, le marquage et l'identification—Principes de codage pour les dispositifs indicateurs et les organes de commande (norme CEI/IEC 60073:1996 adoptée, cinquième édition, 1996-10) 45 \$

Cette norme établit des règles générales en vue d'attribuer une signification particulière à certaines indications visuelles, acoustiques et tactiles de façon à :

- accroître la sécurité des personnes, des biens et/ou de l'environnement en réalisant de façon sûre la surveillance et la commande des équipements ou des procédés ;
- faciliter la surveillance, la commande et la maintenance adéquates des équipements ou des procédés ;
- faciliter la reconnaissance rapide des conditions de commande et de la position des organes de commande.

La présente norme est d'application générale :

- allant de cas simples tels que les voyants de signalisation, boutons-poussoirs, indicateurs mécaniques, diodes électroluminescentes (DEL) ou consoles de visualisation jusqu'aux salles de commande étendues pouvant comprendre une grande variété d'appareils et destinés à la conduite d'une machine ou d'un procédé ;
- quand la sécurité des personnes, des biens et/ou de l'environnement est en jeu, et aussi quand les codes mentionnés plus haut sont utilisés afin de faciliter la surveillance et la commande adéquates d'un équipement ;
- quand un codage particulier est spécifié par un comité d'études pour une fonction particulière.

Amendments

CAN/CSA-Z314.8-00

Decontamination of Reusable Medical Devices

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

Modifications publiées en français

CAN/CSA-Z314.8-00

Decontamination des dispositifs médicaux réutilisables

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

Proposed New Projects

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

- **B167, 3rd edition**
Overhead Travelling and Gantry Cranes
- **B352.0, B352.1, B352.2 Series, 2nd edition**
Rollover Protective Structures (ROPS)
- **M430, 2nd edition**
Roof and Rock Bolts, and Accessories
- **M682, 1st edition**
Agricultural Front-end Loaders

Drafts

Please note: Public comments about the following draft standard are due by July 8, 2002. To receive copies or offer comments, contact Cathryn Cortissoz at 416-747-2594 or cathryn.cortissoz@csa.ca:

- **Z364.2.2, 3rd edition**
Water Treatment Equipment and Water Quality for Haemodialysis

Proposed Adoption of Standards

Note: Public comments about proposed adoptions listed in this issue are due by July 8, 2002.

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 60601-2-29:1999**
Medical Electrical Equipment—Part 2-29: Particular Requirements for the Safety of Radiotherapy Simulators
- **IEC 60601-2-39:1999**
— *Part 2-39: Particular Requirements for the Safety of Peritoneal Dialysis Equipment*
- **IEC 60601-2-41:2000**
— *Part 2-41: Particular Requirements for the Safety of Surgical Luminaires and Luminaires for Diagnosis*
- **IEC 60601-2-45:2001**
— *Part 2-45: Particular Requirements for the Safety of Mammographic X-ray Equipment and Mammographic Stereotactic Devices*



Withdrawn Standards

Z168.5.2-M1991

Critical Care Ventilators

CAN3-Z305.4-M85

*Qualification Requirements for Agencies Testing
Nonflammable Medical Gas Piping Systems*

Certification Notices

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

Effective Date	Subject	Title
February 21, 2003	Publication of Technical Information Letter (TIL) No. MHC-08, covering interim certification requirements for electromechanical lifting devices for persons.	Health Care Equipment No. 12

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.*

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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 1: General Requirements for Safety– 1. Collateral Standard: Safety Requirements for Medical Electrical Systems	C22.2 No. 60601-1-1	ne	5
Medical Electrical Equipment–Part 1-4: General Requirements for Safety– Collateral Standard: Programmable Electrical Medical Systems	C22.2 No. 60601-1-4	ns	5
Medical Electrical Equipment–Part 2-5: Particular Requirements for the Safety of Ultrasonic Physiotherapy Equipment	C22.2 No. 60601-2-5	ne	5
Medical Electrical Equipment–Part 2-23: Particular Requirements for the Safety, Including Essential Performance, of Transcutaneous Partial Pressure Monitoring Equipment	C22.2 No. 60601-2-23	ne	5
Medical Electrical Equipment–Part 2: Particular Requirements for the Safety of Automatic Cycling Indirect Blood Pressure Monitoring Equipment	C22.2 No. 60601-2-30	ne	5
Medical Electrical Equipment–Part 2-34: Particular Requirements for the Safety, Including Essential Performance, of Invasive Blood Pressure Monitoring Equipment	C22.2 No. 60601-2-34	ne	5
Application of Auditory and Visual Medical Devices	ISO 9703-3	ns	2
Biological Evaluation of Medical Devices–Part 15: Identification and Quantification of Degradation Products from Metals and Alloys	ISO 10993-15	ns	H



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
Health Care Technology (cont'd)			
Metered Dose Inhaler Spacer Device	Z264.1	ns	4
Medical Electrical Equipment—Particular Requirements for Safety of Medical Supply Units	Z305.8	ns	4
Selection, Use, Maintenance, and Laundering of Reusable Textile Wrappers, Surgical Gowns, and Drapes for Health Facilities	Z314.10	ne	3
Selection and Use of Rigid Sterilization Containers	Z314.14	ne	2
Warehousing, Storage and Transportation of Clean and Sterile Medical Devices	Z314.15	ns	3
Evaluation of Single Use Medical Sharps Containers for Biohazardous and Cytotoxic Waste	Z316.6	ne	3
Area Measurement for Health Care Facilities	Z317.11	ne	5
Infection Control During Construction/Renovation of Health Care Facilities	Z317.13	ns	2
Water Treatment Equipment and Water Quality Requirements for Haemodialysis	Z364.2.2	ne	2
Transportable Mobility Aids	Z604	ne	2
Mobility Aid Securement and Occupant Restraint Systems	Z605	ne	2
Safety of Cells, Tissues and Organs for Transplantation and Assisted Reproduction	Z900.1	ns	2
Safety of Reproductive Tissues for Assisted Reproduction	Z900.2.1	ns	2
Safety of Tissues for Transplantation	Z900.2.2	ns	2
Safety of Perfusable Organs for Transplantation	Z900.2.3	ns	2
Safety of Ocular Tissues for Transplantation	Z900.2.4	ns	2
Safety of Therapeutic Cells of Lymphohematopoietic Origin for Transplantation	Z900.2.5	ns	2
Low-pressure Hose Assemblies for Use With Medical Gases	Z5359	ne	2
Tracheal Tubes	Z5361	ne	2
Nonflammable Medical Gas Pipeline Systems—Part 1: Pipelines for Compressed Medical Gases and Vacuum	Z7396.1	ns	2
Mechanical Industrial Equipment			
Elevator and Escalator Electrical Equipment	B44.1	ne	4
Boiler, Pressure Vessel, and Pressure Piping Code	B51	ne	2
Safety Code for Manlifts	B311	ne	5
Cylinders, Spheres and Tubes for the Transportation of Dangerous Goods	B339	ne	5
Selection and Use of Cylinders, Spheres, Tubes, and Other Containers for the Transportation of Dangerous Goods, Class 2	B340	ne	5
Highway Tanks and Portable Tanks for the Transportation of Dangerous Goods	B620	ne	2
Selection and Use of Highway Tanks, Portable Tanks, Cargo Compartments and Containers for the Transportation of Dangerous Goods, Classes 3, 4, 5, 6, 8, and 9	B621	ne	2
Selection and Use of Highway Tanks, Multi-Unit Tank Car Tanks, and Portable Tanks for the Transportation of Dangerous Goods, Class 2	B622	ne	2
Community and Personal Issues			
Customer Service Guide for Persons with Disabilities	B480	ns	5
Barrier-Free Design	B651	ne	2
Transit Vehicles for the Transportation of Persons with Physical Disabilities	D435	ns	5



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
Community and Personal Issues (cont'd)			
Over-the-road Buses for the Transportation of Persons with Physical Disabilities	D436	ns	5
Racquet Sports Eye Protection	Z400	ns	C
Children's Playspaces and Equipment	Z614	ne	2
Occupational Health and Safety			
Industrial Lift Truck Operator Training	B335	ne	3
Elevating Rolling Work Platforms	B354.1	ne	2
Mast Climbers	B354.5	ns	2
Tractor Front-end Loader Safety	M682	ns	2
Agricultural Tractors–Operator's Seating Accommodation–Dimensions	M4253	ns	H
Agricultural Wheeled Tractors–Operator's Seat–Laboratory Measurement of Transmitted Vibration	M5007	ne	2
Agricultural Tractor Seating–Measurement of Whole Body Vibration	M5008	ns	2
Portable Wooden Ladders	Z11.1	ns	1
Portable Metal Ladders	Z11.2	ns	1
Portable Reinforced Plastic Ladders	Z11.3	ns	1
Chain Saws	Z62.1	ne	3
Chain Saw Kickback	Z62.3	ne	2
Health and Safety Code for Suspended Equipment Operations	Z91	ne	3
Industrial Eye and Face Protectors	Z94.3	ne	3
Selection, Use, and Care of Respirators	Z94.4	ne	4
High-Visibility Safety Apparel	Z96	ns	3
Code for Punch Press and Brake Press Operation: Health, Safety, and Guarding Requirements	Z142	ne	4
Design of Double Girder Electric Overhead Travelling Cranes	Z202	ns	C
Code for Tower Cranes	Z248	ne	4
Flexible Horizontal Lifelines	Z259.13	ns	2
Anchorage Connectors	Z259.15	ns	2
Fall Protection Systems Design Code	Z259.16	ns	2
Hyperbaric Facilities	Z275.1	ne	2
Safety Code for Diving Operations	Z275.2	ne	2
Competency Standard for Diving Operations	Z275.4	ne	3
Safeguarding of Machinery	Z432	ne	2
Industrial Robots and Robot Systems–General Safety Requirements	Z434	ne	4
Riot Helmets and Faceshields	Z611	ne	3
Scaffolding Guidelines	Z797	ns	2



Electrical/Electronics

New Standards & Editions

CAN/CSA-E60079-0:02, 2nd edition (bilingual)
Electrical Apparatus for Explosive Gas Atmospheres—Part 0: General Requirements (Adopted CEI/IEC 60079-0:1998, edition 3.1, including Amendment 1:2000, with Canadian deviations) \$135

This standard specifies general requirements for the construction, testing, and marking of electrical apparatus, Ex cable entries, and Ex components, intended for use in potentially explosive atmospheres of gas, vapour and mist.

CAN/CSA-E60079-2:02, 2nd edition (bilingual)
Electrical Apparatus for Explosive Gas Atmospheres—Part 2: Pressurized Enclosures "p" (Adopted CEI/IEC 60079-2:2001, fourth edition, with Canadian deviations) \$115

This standard contains specific requirements for the construction and testing of electrical apparatus with pressurized enclosures, of protection type "p", intended for use in explosive gas atmospheres.

The requirements are supplementary to those in IEC 60079-0.

This standard specifies requirements for pressurized enclosures containing a limited release of a flammable substance.

CAN/CSA-E60079-5:02, 2nd edition (bilingual)
Electrical Apparatus for Explosive Gas Atmospheres—Part 5: Powder Filling "q" (Adopted CEI/IEC 60079-5:1997, second edition, without modification) \$45

This standard contains specific requirements for the construction, testing, and marking of electrical apparatus, parts of electrical apparatus, and Ex components in the type of protection **powder filling "q"**, intended for use in potentially explosive atmospheres of gas, vapour and mist.

This standard supplements IEC 60079-0.

This standard applies to electrical apparatus, parts of electrical apparatus, and Ex components with:

- a rated current less than or equal to 16 A
- a rated power consumption less than or equal to 1000 VA, intended to be connected to a supply not exceeding 1000 V.

CAN/CSA-E60079-11:02, 2nd edition (bilingual)
Electrical Apparatus for Explosive Gas Atmospheres—Part 11: Intrinsic Safety "i" (Adopted CEI/IEC 60079-11:1999, fourth edition, with modifications) \$190

This standard specifies the construction and testing of intrinsically safe apparatus, intended for use in potentially explosive atmospheres and for associated apparatus, which is intended for connection to intrinsically safe circuits that enter such atmospheres. The standard also contains details of the test apparatus previously published as IEC 60079-3. This standard supplements IEC 60079-0:1998.

CAN/CSA-E60079-14:02, 2nd edition (bilingual)
Electrical Apparatus for Explosive Gas Atmospheres—Part 14: Electrical Installations in Hazardous Areas (Other Than Mines) (Adopted CEI/IEC 79-14:1996, second edition, without modifications) \$115

This standard contains the specific requirements for the design, selection, and erection of electrical installations in explosive gas atmospheres.

These requirements are in addition to the requirements for installations in non-hazardous areas.

This standard applies to all electrical equipment and installations in hazardous areas, whether permanent, temporary, portable, transportable, or hand-held. It applies to installations at all voltages.

CAN/CSA-E60079-15:02, 2nd edition
Electrical Apparatus for Explosive Gas Atmospheres—Part 15: Type of Protection "n" (Adopted IEC 60079-15:2001, second edition, with modifications) \$105

This standard specifies requirements for the construction, testing, and marking for Group II electrical apparatus with protection type "n" intended for use in explosive gas atmospheres.

This standard applies to non-sparking electrical apparatus and also to electrical apparatus with parts or circuits producing arcs or sparks or having hot surfaces that, if not protected in one of the ways specified in this standard, could be capable of igniting a surrounding explosive gas atmosphere.

A non-incendive component is limited in use to the particular circuit for which it has been shown to be non-ignition capable and, therefore, cannot be separately assessed as complying with this standard.



New Standards & Editions (cont'd)

CAN/CSA-E60598-2-3B:02 (bilingual)
Luminaires—Part 2-3: Particular Requirements—Luminaires for Road and Street Lighting.
 Amendment 2:2002 (Adopted Amendment 2:2000 to CEI/IEC 598-2-3:1993, without modification) \$25
 This document provides revisions to CAN/CSA-E60598-2-3-98.

CAN/CSA-E60598-2-5:02, 2nd edition (bilingual)
Luminaires—Part 2-5: Particular Requirements—Floodlights (Adopted CEI/IEC 60598-2-5:1998, second edition, with Canadian deviations) \$30
 This standard specifies requirements for floodlights for use with tungsten filament, tubular fluorescent, and other discharge lamps on supply voltages not exceeding 1 000 V. It is to be read in conjunction with the referenced sections of IEC 60598-1.

CAN/CSA-E598-2-8A:02 (bilingual)
Luminaires—Part 2-8: Particular Requirements—Handlamps. Amendment 1:2002 (Adopted Amendment 1:2000 to CEI/IEC 598-2-8:1996, without modifications) \$20
 This document provides revisions to CAN/CSA-E598-2-8-98.

CAN/CSA-E598-2-19B:02 (bilingual)
Luminaires—Part 2: Particular Requirements—Section 19: Air-Handling Luminaires (Safety Requirements). Amendment 2:2002 (Adopted Amendment 2:1997 to CEI/IEC 598-2-19:1981, without modifications) \$20
 This document provides revisions to CAN/CSA-E598-2-19-98.

CAN/CSA-E60974-1A:02 (bilingual)
Arc Welding Equipment—Part 1: Welding Power Sources. Amendment 1:2002 (Adopted Amendment 1:2000 to CEI/IEC 60974-1:1998, with Canadian deviations) \$25
 This document provides revisions to CAN/CSA-E60974-1-00.

CAN/CSA-E60974-7:02, 1st edition (bilingual)
Arc Welding Equipment—Part 7: Torches (Adopted CEI/IEC 60974-7:2000, first edition, with Canadian deviations) \$85
 This standard specifies safety and construction requirements for torches for arc welding and allied processes. A torch consists of the torch body, the cable-hose assembly, and other components.

E60974-7 is not applicable to electrode holders for manual metal arc welding or torches for air-arc cutting/gouging.

CAN/CSA-E61241-1-1:02, 2nd edition
Electrical Apparatus for Use in the Presence of Combustible Dust—Part 1-1: Electrical Apparatus Protected by Enclosures and Surface Temperature Limitation—Specification for Apparatus (Adopted IEC 61241-1-1:1999, second edition, with Canadian deviations) \$60

This standard applies to electrical apparatus protected by enclosures and surface temperature limitation for use in areas where combustible dust may be present in quantities that could lead to a fire or explosion hazard. It specifies requirements for design, construction, and testing of electrical apparatus.

The ignition protection is based on the limitation of the maximum surface temperature of the enclosure and other surfaces that could be in contact with dust, and on the restriction of dust entry into the enclosure by the use of "dust-tight" or "dust-protected" enclosures.

Note: IEC 61241-1-2 gives guidance on the selection, installation, and maintenance of the apparatus. Apparatus within the scope of this standard may also be subject to additional requirements in other standards; for example, IEC 60079-0.

Nouvelles parutions en français

CAN/CSA-E60079-0:02, 2^e édition (bilingue)
Matériel électrique pour atmosphères explosives gazeuses—Partie 0 : Règles générales (norme CEI/IEC 60079-0:1998, édition 3.1, adoptée, y compris l'amendement 1:2000, avec exigences propres au Canada) 135 \$

Cette norme spécifie les règles générales de construction, d'essais et de marquage du matériel électrique, des entrées de câble Ex, et des composants Ex destinés à être utilisés dans des atmosphères explosibles sous forme de gaz, vapeurs ou brouillards.



Nouvelles parutions (suite)

CAN/CSA-E60079-2:02, 2^e édition (bilingue)
Matériel électrique pour atmosphères explosives gazeuses—Partie 2 : Enveloppes à surpression interne «p»
 (norme CEI/IEC 60079-2:2001 adoptée, 4^e édition, avec modifications) 115 \$

Cette norme contient les prescriptions spécifiques pour la construction et les essais des matériels électriques avec enveloppes à surpression interne à mode de protection «p», destinés à l'utilisation dans les atmosphères explosives gazeuses.

Les prescriptions contenues dans cette norme complètent celles de la CEI 60079-0.

Cette norme spécifie les prescriptions pour enveloppes à surpression interne contenant un dégagement limité de substance inflammable.

CAN/CSA-E60079-5:02, 2^e édition (bilingue)
Matériel électrique pour atmosphères explosives gazeuses—Partie 5 : Remplissage pulvérulent «q» (norme CEI/IEC 60079-5:1997, 2^e édition, adoptée, sans modifications) 45 \$

Cette norme contient les règles spécifiques de construction, d'essais et de marquage du matériel électrique, des parties de matériel électrique et des composants Ex à remplissage pulvérulent, mode de protection «q», destinés à être utilisés dans des atmosphères explosibles de gaz, vapeur et brouillard.

Cette norme complète la CEI 60079-0 dont les prescriptions s'appliquent au matériel électrique à remplissage pulvérulent.

Cette norme s'applique au matériel électrique, aux parties de matériel électrique et aux composants Ex dont :

- le courant assigné est inférieur ou égal à 16 A ;
- la puissance assignée est inférieure ou égale à 1 000 VA, destiné à être raccordé à une source d'alimentation ne dépassant pas 1 000 V.

CAN/CSA-E60079-11:02, 2^e édition (bilingue)
Matériel électrique pour atmosphères explosives gazeuses—Partie 11 : Sécurité intrinsèque «i»
 (norme CEI/IEC 60079-11:1999 adoptée, 4^e édition, avec modifications) 190 \$

Cette norme contient les règles spécifiques de construction et d'essais pour le matériel électrique à sécurité intrinsèque, destiné à être utilisé dans les atmosphères explosives, et pour le matériel électrique associé, qui est prévu pour être relié à des circuits de

sécurité intrinsèque qui entrent dans de telles atmosphères. Elle contient également des détails de l'appareil d'essai publié initialement dans la CEI 60079-3.

Cette norme complète la CEI 60079-0:1998.

CAN/CSA-E60079-14:02, 2^e édition (bilingue)
Matériel électrique pour atmosphères explosives gazeuses—Partie 14 : Installations électriques dans les emplacements dangereux (autres que les mines)
 (norme CEI/IEC 79-14:1996 adoptée, 2^e édition, sans modifications) 115 \$

Cette norme contient les règles particulières de conception, de sélection et de montage applicables aux installations électriques situées dans des atmosphères explosives gazeuses.

Ces règles complètent celles relatives aux installations dans les emplacements non dangereux.

Cette norme s'applique à tous les équipements et à toutes les installations électriques situés dans des emplacements dangereux, que ces installations soient permanentes, temporaires, portables, déplaçables ou portatives. Elle s'applique à toutes les installations, quelle que soit la tension utilisée.

CAN/CSA-E60598-2-3B:02 (bilingue)
Luminaires—Partie 2-3 : Règles particulières—Luminaires d'éclairage public. Amendement 2:2002 (norme CEI/IEC 598-2-3:1993, amendement 2:2000, adoptée, sans modifications) 25 \$

Ce document contient des modifications à la norme CAN/CSA-E60598-2-3-98.

CAN/CSA-E60598-2-5:02, 2^e édition (bilingue)
Luminaires—Partie 2-5 : Règles particulières—Projecteurs (norme CEI/IEC 60598-2-5:1998 adoptée, 2^e édition, avec modifications) 30 \$

Cette norme détaille les prescriptions applicable aux projecteurs à utiliser avec des lampes à filament de tungstène, des lampes tubulaires fluorescentes ou autres lampes à décharge, pour des tensions d'alimentation ne dépassant pas 1 000 V. Elle doit être lue conjointement avec les sections de la CEI 60598-1 auxquelles elle est fait référence.

CAN/CSA-E598-2-8A:02 (bilingue)
Luminaires—Partie 2-8 : Règles particulières—Baladeuses. Amendement 1:2002 (norme CEI/IEC 598-2-8:1996, amendement 1:2000, adoptée, sans modifications) 20 \$

Ce document contient des modifications à la norme CAN/CSA-E60598-2-8-98.



Nouvelles parutions (suite)

CAN/CSA-E598-2-19B:02 (bilingue)
Luminaires—Deuxième partie : Règles particulières—Section 19 : Luminaires à circulation d'air (Règles de sécurité). Amendement 2:2002 (norme CEI/IEC 598-2-19:1981, amendement 2:1997, adoptée, sans modifications) 20 \$

Ce document contient des modifications à la norme CAN/CSA-E598-2-19-98.

CAN/CSA-E60974-1A:02 (bilingue)
Matériel de soudage électrique—Partie 1 : Sources de courant pour soudage. Amendement 1:2002 (norme CEI/IEC 60974-1:1998, amendement 1:2000, adoptée, avec modifications) 25 \$

Ce document contient des modifications à la norme CAN/CSA-E60974-1-00.

CAN/CSA-E60974-7:02, 1^{re} édition (bilingue)
Matériel de soudage à l'arc—Partie 7 : Torches (norme CEI/IEC 60974-7:2000, 1^{re} édition, adoptée, avec modifications) 85 \$

Cette norme spécifie les règles de sécurité et de construction applicables aux torches pour le soudage à l'arc et les procédés connexes.

Dans la présente norme une torche comprend le corps de torche, le faisceau d'autres composants.

Cette norme ne s'applique pas aux porte-électrode pour le soudage manuel électrique à l'arc ni aux torches pour le coupage/gougeage air-arc.

Amendments

CAN/CSA-C22.2 No. 60950-00
Safety of Information Technology Equipment
 Revision of the title page, copyright page, preface, foreword (CSA), foreword (UL), Clauses 5.1.8.2 and 5.3.6, Figure D.1, and Annexes P.1 and P.2.

Proposed New Projects

For more information about the proposed development of the following new edition, contact Michael Henville at 416-747-2227 or michael.henville@csa.ca:

- **C22.2 No. 245, 2nd edition**
Marine Shipboard Cable

Drafts

Please note: Public comments about the following draft standards and proposed amendments are due by July 8, 2002.

To receive copies, or to offer comments, contact Annie Pereira at 416-747-4094 or annie.pereira@csa.ca:

- **C22.2 No. 27, Proposed amendments**
Busways
 Proposed revision of various clauses.
- **C22.2 No. 45.1, 1st edition**
Electrical Rigid Metal Conduit—Steel
- **C22.2 No. 66, 4th edition**
Specialty Transformers
- **C22.2 No. 71.2, Proposed amendments**
Electric Bench Tools
 Proposed revision of Clauses 4.3.12.10, 4.6.2, 7.4.4.2 and 7.4.4.3.
- **C22.2 No. 83.1, 1st edition**
Electrical Metallic Conduit—Steel
- **C22.2 No. 111, Proposed amendments**
General-Use Snap Switches
 Proposed revision of various clauses.
- **C22.2 No. 211.3, 5th edition**
Reinforced Thermosetting Resin Conduit (RTRC)—Above Ground
- **C22.2 No. 211.4, 1st edition**
Reinforced Thermosetting Resin Conduit (RTRC)—Below Ground

Proposed Endorsement of Standards

Note: Public comments about proposed endorsements listed in this issue are due by July 8, 2002.

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

- **IEC 60216-3 (2002)**
Electrical Insulating Materials—Thermal Endurance Properties—Part 3: Instructions for Calculating Thermal Endurance Characteristics



Proposed Adoption of Standards

Note: Public comments about proposed adoptions listed in this issue are due by July 8, 2002.

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 61558-2-5 (1997)**
Safety of Power Transformers, Power Supply Units and Similar—Part 2: Particular Requirements for Shaver Transformers and Supply Units
- **IEC 61558-2-13 (1999)**
Safety of Power Transformers, Power Supply Units and Similar—Part 2: Particular Requirements for Autotransformers

For more information about the proposed adoption of the following IEC standard, contact Michael Henville at 416-747-2227 or michael.henville@csa.ca:

- **IEC 60320-1 (2001)**
Appliance Couplers for Household and Similar General Purposes—Part 1: General Requirements

Proposed Reaffirmation of Standards

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

- **C57-98**
Electric Power Connectors for Use in Overhead Line Conductors

Certification Notices

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

Effective Date	Subject	Title
June 1, 2002	Publication of CAN/CSA-C22.2 No. 745-1 and CAN/CSA-C22.2 No. 745-2 (<i>Portable Electric Tools</i>), and CAN/CSA-C22.2 No. 745-3 and CAN/CSA-C22.2 No. 745-4 (<i>Portable Battery-Operated Tools</i>).	Electrical Tools No. 6
August 1, 2002	Publication of TIL No. A-28, regarding interim certification requirements for non-metallic outlet boxes in ceiling installations.	Wiring Devices No. 21

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			
Metal Outlet Boxes	C22.2 No. 18.1	ns	3
Conduit and Cable Fittings	C22.2 No. 18.3	ns	3
Conduit and Cable Support Hardware	C22.2 No. 18.4	ns	3



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
Wiring Products (cont'd)			
Wire-Positioning Devices	C22.2 No. 18.5	ns	5
Cord Sets and Power Supply Cords	C22.2 No. 21	ne	2
Lampholders	C22.2 No. 43	ne	1
Rigid Metal Conduit–Steel	C22.2 No. 45.1	ns	2
Flexible Cords and Cables	C22.2 No. 49	ne	2
Non-metallic Surface Raceways	C22.2 No. 62.1	ns	3
Wire Connectors	C22.2 No. 65	ne	3
Thermoplastic-Insulated Wires and Cables (Tri-national standard)	C22.2 No. 75	ne	4
Electrical Metallic Tubing–Steel	C22.2 No. 83.1	ns	2
Portable Power Cables	C22.2 No. 96	ne	2
Mine Power Feeder Cables	C22.2 No. 96.1	ns	2
Metal Cable Tray Systems	C22.2 No. 126.1	ne	4
Non-metallic Cable Tray Systems	C22.2 No. 126.2	ns	4
Neutral Supported Cable	C22.2 No. 129	ne	2
Heat Tracing Cable Systems for Ordinary and Hazardous Locations	C22.2 No. 130	ne	3
Plugs, Receptacles and Cable Connectors of the Pin and Sleeve Type	C22.2 No. 182.1	ne	5
Coated Electrical Sleeving	C22.2 No. 198.3	ne	2
Appliance Wiring Material Products	C22.2 No. 210.2	ne	2
Reinforced Thermosetting Resin Conduit–Above Ground	C22.2 No. 211.3	ne	2
Reinforced Thermosetting Resin Conduit (RTRC)–Below Ground	C22.2 No. 211.4	ns	2
Communications Cables	C22.2 No. 214	ne	5
Liquid-Tight Flexible Nonmetallic Conduit	C22.2 No. 227.2.1	ns	3
Flexible Non-metallic Tubing	C22.2 No. 227.3	ne	2
Industrial Products			
Enclosed Switches	C22.2 No. 4	ne	3
Moulded Circuit Breakers	C22.2 No. 5	ne	5
Industrial Control Equipment	C22.2 No.14	ne	2
Panelboards and Enclosed Panelboards	C22.2 No. 29	ne	3
Switchgear Assemblies	C22.2 No. 31	ne	3
Motors with Inherent Overheating Protection	C22.2 No. 77	ne	2
Special Purpose Enclosures	C22.2 No. 94	ne	2
Motors and Generators	C22.2 No. 100	ne	2
Safety of Uninterruptible Power Supplies (UPS)–Part 1	C22.2 No. 107.3	ns	3
Ground Fault Circuit Interrupters	C22.2 No. 144	ne	1
Automatic Transfer Switches	C22.2 No. 178.1	ns	2
Supplementary Protectors	C22.2 No. 235	ne	2
Switchboards	C22.2 No. 244	ns	1
Neon and Cold Cathode Supplies	C22.2 No. 255	ns	2
Safety of Power Transformers, Power Supply Units and Similar–Part 1: General Requirements and Tests	E61558-1	ns	3
Safety of Power Transformers, Power Supply Units and Similar–Part 2-1: Particular Requirements for Separating Transformers for General Use	E61558-2-1	ns	3
Safety of Power Transformers, Power Supply Units and Similar–Part 2-2: Particular Requirements for Control Transformers	E61558-2-2	ns	3
Safety of Power Transformers, Power Supply Units and Similar–Part 2-4: Particular Requirements for Isolating Transformers for General Use	E61558-2-4	ns	3
Safety of Power Transformers, Power Supply Units and Similar–Part 2-6: Particular Requirements for Safety Isolating Transformers for General Use	E61558-2-6	ns	3



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
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	2
Unit Equipment for Emergency Lighting	C22.2 No. 141	ne	4
Central System for Unit Equipment for Emergency Lighting	C22.2 No. 141.1	ns	2
Electrostatic Air Cleaners	C22.2 No. 187	ne	3
Radiant Space Heating Panels, Panel Sets, and Systems	C22.2 No. 217	ne	H
Heating and Cooling Equipment	C22.2 No. 236	ne	2
Direct Plug-in Portable Luminaires	C22.2 No. 256	ns	3
Safety of Household and Similar Electrical Appliances—Part 1: General Requirements	E60335-1/4E	ne	3
Luminaires—Part 1: General Requirements and Tests	E60598-1	ne	5
Automatic Electrical Controls for Household and Similar Use—Part 1: General Requirements	E60730-1/3E	ne	3
Electrical Engineering			
Single-Phase and Three-Phase Distribution Transformers, Types ONAN and LNaN	C2	ne	3
Pole-Mounted, Single-Phase, Distribution Transformers for Electric Utilities	C2.2	ns	3
Dry-type Transformers	C9	ne	3
Three-Phase Network Transformers	C199	ne	3
Three-phase, Live-front Pad-mounted Distribution Transformers	C227.2	ne	2
Low-Profile, Single-Phase, Pad-mounted Distribution Transformer with Separable Insulated High-Voltage Connectors	C227.3	ne	3
Three-Phase, Pad-mounted Distribution Transformers with Separable Insulated Connectors	C227.4	ne	3
Three-Phase, Live-Front Pad-mounted Distribution Transformers	C227.5	ns	2
Single-Phase, Submersible Distribution Transformers, Type ONAN	C301.1	ne	3
Three-Phase, Submersible Distribution Transformers, Type ONAN	C301.2	ne	3
Aluminium-Magnesium-Silicon Alloy Wire for Overhead Line Conductors	IEC 60104	ns	3
Zinc-coated Steel Wires for Overhead Line Conductors	IEC 60888	ns	3
Hard-drawn Aluminium Wire for Overhead Line Conductors	IEC 60889	ns	3
Round Wire Concentric Lay Overhead Electrical Stranded Conductors	IEC 61089	ns	3
Aluminum-clad Steel Wires for Electrical Purposes	IEC 61232	ns	3
Electromagnetic Compatibility			
Electromagnetic Compatibility (EMC)—Part 4: Testing and Measurement Techniques—Section 8: Power Frequency Magnetic Field Immunity Test—Basic EMC Publication	61000-4-8	ns	4
Electromagnetic Compatibility (EMC)—Part 4: Testing and Measurement Techniques—Section 9: Pulse Magnetic Field Immunity Test—Basic EMC Publication	61000-4-9	ns	4
Electromagnetic Compatibility (EMC)—Part 4-16: Testing and Measurement Techniques—Test for Immunity to Conducted, Common Mode Disturbances in the Frequency Range 0 Hz to 150 Hz	61000-4-16	ns	4
Electromagnetic Compatibility (EMC)—Part 4-17: Testing and Measurement Techniques—Ripple on D.C. Input Power Port Immunity Test	61000-4-17	ns	3



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
Electromagnetic Compatibility (cont'd)			
Specification for Radio Disturbance and Immunity Measuring Apparatus and Methods—Part 1: Radio Disturbance and Immunity Measuring Apparatus	CISPR 16-1	ns	3
Specification for Radio Disturbance and Immunity Measuring Apparatus and Methods—Part 2: Methods of Measurement of Disturbance and Immunity	CISPR 16-2	ns	3
Information Technology Equipment—Radio Disturbance Characteristics—Limits and Methods of Measurement	CISPR 22	ne	3



New Standards & Editions

CAN/CSA-ISO 14015:02, 1st edition
Environmental Management—Environmental Assessment of Sites and Organizations (EASO)
(Adopted ISO 14015:2001, first edition) \$75

This standard provides guidance on conducting an EASO through a systematic process of identifying environmental aspects and environmental issues and determining, if appropriate, their business consequences.

This standard covers the roles and responsibilities of the parties to the assessment (the client, the assessor, and the representative of the assessee), and the stages of the assessment process (planning, information gathering and validation, evaluation, and reporting).

Nouvelles parutions en français

CAN/CSA-ISO 14015:02, 1^{re} édition
Management environnemental—Évaluation environnementale de sites et d'organismes (EESO)
(norme ISO 14015:2001 adoptée, 1^{re} édition) . . . 75 \$

Cette norme donne des lignes directrices sur le mode de conduite d'une EESO par l'application d'un processus systématique d'identification des aspects environnementaux et des préoccupations environnementales et, les cas échéant, par la détermination de leurs conséquences économiques et commerciales.

Cette norme couvre les fonctions et les responsabilités des parties intéressées par l'évaluation (le commanditaire, l'expert et le représentant de l'expertisé), et les étapes du processus d'évaluation (planification, regroupement et validation des informations, interprétation et établissement de rapports).

Proposed New Projects

For more information about the proposed development of the following new publication, contact Darryl Neate at 416-747-2539 or darryl.neate@csa.ca:

- **PLUS 1109, 2nd edition**
Environmental Terminology for Canadian Business—Environmental Technology

Drafts

Please note: Public comments about the following draft standard are due by July 8, 2002.

To receive copies, or to offer comments, contact David Zimmerman at 416-747-2479 or david.zimmerman@csa.ca:

- **Z773, 1st edition**
Guideline on Environmental Compliance Auditing

Endorsed Standards

ANSI S1.4-1983 (R2001) with Amd.S1.4A-1995
Specification for Sound Level Meters

ANSI S1.11-1986 (R1998)
Specifications for Octave-Band and Fractional Octave-Band Analog and Digital Filters

ANSI S1.13-1995 (R1999)
Measurement of Sound Pressure Levels in Air

ANSI S12.31-1990 (R1996)
Precision Methods for the Determination of Sound Power Levels of Broad-Band Noise Sources in Reverberation Rooms

ANSI S12.32-1990 (R1996)
Precision Methods for the Determination of Sound Power Levels of Discrete-Frequency and Narrow-Band Noise Sources in Reverberation Rooms

ANSI/ASTM C423-00
Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method

ANSI/ASTM E492-90 (1996) e1
Standard Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine

ASTM C384-98
Standard Test Method for Impedance and Absorption of Acoustical Materials by the Impedance Tube Method

ASTM E90-99
Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements

ASTM E336-97
Standard Test Method for Measurement of Airborne Sound Insulation in Buildings



Endorsed Standards (cont'd)

ASTM E596-96

Standard Test Method for Laboratory Measurement of Noise Reduction of Sound-Isolating Enclosures

ASTM E795-00

Standard Practices for Mounting Test Specimens During Sound Absorption Tests

ASTM E966-99

Standard Guide for Field Measurement of Airborne Sound Insulation of Building Facades and Facade Elements

ASTM E989-89 (R1999)

Standard Classification for Determination of Impact Insulation Class (IIC)

ASTM E1007-97

Standard Test Method for Field Measurement of Tapping Machine Impact Sound Transmission Through Floor-Ceiling Assemblies and Associated Support Structures

IEC 60651 (2001-10)

Sound Level Meters

ISO 6393:1998

Acoustics—Measurement of Exterior Noise Emitted by Earth-moving Machinery—Stationary Test Conditions (available in English only)

ISO 6394:1998

Acoustics—Measurement at the Operator's Position of Noise Emitted by Earth-moving Machinery—Stationary Test Conditions (available in English only)

ISO 6395:1988/Amd 1:1996

Acoustics—Measurement of Exterior Noise Emitted by Earth-moving Machinery—Dynamic Test Conditions. Amendment 1:1996

SAE J919-1995

Sound Measurement—Off-Road Work Machines—Operator—Singular Type

SAE J1096-2000

Measurement of Exterior Sound Levels for Heavy Trucks Under Stationary Conditions

Withdrawn Standards

CSA has withdrawn its endorsement of the following standards:

- **ASTM E497-1981**
Standard Practice for Installing Sound-Isolating Lightweight Partitions
- **ASTM E557-1981**
Standard Guide for the Installation of Operable Partitions
- **ASTM E597-1981**
Determining a Single-Number Rating of Airborne Sound Isolation for Use in Multiunit Building Specifications

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	1



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
Environmental Technology (cont'd)			
Recommended Practice for the Prediction of Sound Pressure Levels in Large Rooms Containing Sound Sources	Z107.52	ne	1
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	H
Recommended Practice for the Prediction of Sound Levels Received at a Distance from an Industrial Plant	Z107.55	ne	1
Procedures for the Measurement of Occupational Noise Exposure	Z107.56	ne	2
Monitoring Noise Around Industrial Complexes	Z107.57	ns	C
Noise Emission Declarations	Z107.58	ns	3
Environmental Management Systems			
Environmental Terminology for Canadian Business–Environmental Technology	PLUS 1109	spec	5
The SFM Essentials	PLUS 1136	spec	1
EMS Sector Guide: Agriculture	PLUS 1157	spec	5
Environmental Management–Life Cycle Assessment– —Examples for the Application of ISO 14042	ISO 14047	ns	3
—Data Documentation Format	ISO 14048	ns	3
Emergency Planning for Industry	Z731	ne	3
Definition of Household Hazardous Waste (HHW)	Z752	ns	3
Guideline for Environmental Assessment	Z770	ns	H
Environmental Management System for Hog Operations: Specification Standard	Z771	ns	2
Environmental Compliance Auditing	Z773	ns	2
Sustainable Forest Management Requirements	Z809	ne	3



Communications/ Information

New Standards & Editions

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

CAN/CSA-ISO/IEC 7811-6:02, 1st edition
Identification Cards—Recording Technique—Part 6: Magnetic Stripe—High Coercivity (Adopted ISO/IEC 7811-6:1996, first edition) \$80

CAN/CSA-ISO/IEC 7816-8:02, 1st edition
Identification Cards—Integrated Circuit(s) Cards with Contacts—Part 8: Security Related Interindustry Commands (Adopted ISO/IEC 7816-8:1999, first edition) \$90

CAN/CSA-ISO/IEC 7816-10:02, 1st edition
Identification Cards—Integrated Circuit(s) Cards with Contacts—Part 10: Electronic Signals and Answer to Reset for Synchronous Cards (Adopted ISO/IEC 7816-10:1999, first edition) \$40

CAN/CSA-ISO/IEC 7942-3:02, 1st edition
Information Technology—Computer Graphics and Image Processing—Graphical Kernel Systems (GKS)—Part 3: Audit Trail (Adopted ISO/IEC 7942-3:1999, first edition) \$105

CAN/CSA-ISO/IEC 8073:02, 2nd edition
Information Technology—Open Systems Interconnection—Protocol for Providing the Connection-Mode Transport Service (Adopted ISO/IEC 8073:1997, fourth edition) \$170

CAN/CSA-ISO/IEC 8073A:02
Amendment 1:2002, "Relaxation of Class Conformance Requirements and Expedited Data Service Feature Negotiation," to CAN/CSA-ISO/IEC 8073:02 (Adopted Amendment 1:1998 to ISO/IEC 8073:1997) \$10

CAN/CSA-ISO/IEC 8326:02, 1st edition
Information Technology—Open Systems Interconnection—Session Service Definition (Adopted ISO/IEC 8326:1996, second edition) \$150

CAN/CSA-ISO/IEC 8326A:02
Amendment 1:2002, "Efficiency Enhancements," to CAN/CSA-ISO/IEC 8326:02 (Adopted Amendment 1:1998 to ISO/IEC 8326:1996) . . . \$10

CAN/CSA-ISO/IEC 8326B:02
Amendment 2:2002, "Nested Connections Functional Unit," to CAN/CSA-ISO/IEC 8326:02 (Adopted Amendment 2:1998 to ISO/IEC 8326:1996) . . . \$10

CAN/CSA-ISO/IEC 8649:02, 1st edition
Information Technology—Open Systems Interconnection—Service Definition for the Association Control Service Element (Adopted ISO/IEC 8649:1996, second edition) . . \$80

CAN/CSA-ISO/IEC 8649A:02
Amendment 1:2002, "Support of Authentication Mechanisms for the Connectionless Mode," to CAN/CSA-ISO/IEC 8649:02 (Adopted Amendment 1:1997 to ISO/IEC 8649:1996) . . . \$10

CAN/CSA-ISO/IEC 8649B:02
Amendment 2:2002, "Fast-Associate Mechanism," to CAN/CSA-ISO/IEC 8649:02 (Adopted Amendment 2:1998 to ISO/IEC 8649:1996) . . . \$10

CAN/CSA-ISO/IEC 8824-2:02, 2nd edition
Information Technology—Abstract Syntax Notation One (ASN.1): Information Object Specification (Adopted ISO/IEC 8824-2:1998, second edition) \$95

CAN/CSA-ISO/IEC 8824-2A:02, 2nd edition
Amendment 1:2002, "ASN.1 Semantic Model," to CAN/CSA-ISO/IEC 8824-2:02 (Adopted Amendment 1:2000 to ISO/IEC 8824-2:1998) . . \$10

CAN/CSA-ISO/IEC 8859-2:02, 1st edition
Information Technology—8-bit Single-Byte Coded Graphic Character Sets—Part 2: Latin Alphabet No. 2 (Adopted ISO/IEC 8859-2:1999, first edition) . . \$45

CAN/CSA-ISO/IEC 8859-3:02, 1st edition
Information Technology—8-bit Single-Byte Coded Graphic Character Sets—Part 3: Latin Alphabet No. 3 (Adopted ISO/IEC 8859-3:1999, first edition) . . \$45

CAN/CSA-ISO/IEC 8859-5:02, 1st edition
Information Technology—8-bit Single-Byte Coded Graphic Character Sets—Part 5: Latin/Cyrillic Alphabet (Adopted ISO/IEC 8859-5:1999, second edition) \$45

CAN/CSA-ISO/IEC 8859-6:02, 1st edition
Information Technology—8-bit Single-Byte Coded Graphic Character Sets—Part 6: Latin/Arabic Alphabet (Adopted ISO/IEC 8859-6:1999, first edition) . . \$50



New Standards & Editions (cont'd)

CAN/CSA-ISO/IEC 9040:02, 1st edition
Information Technology—Open Systems Interconnection—Virtual Terminal Basic Class Service (Adopted ISO/IEC 9040:1997, second edition) \$150

CAN/CSA-ISO/IEC 9075-1:02, 1st edition
Information Technology—Database Languages—SQL—Part 1: Framework (SQL/Framework) (Adopted ISO/IEC 9075-1:1999, first edition) \$120

CAN/CSA-ISO/IEC 9075-3:02, 2nd edition
Information Technology—Database Languages—SQL—Part 3: Call-Level Interface (SQL/CLI) (Adopted ISO/IEC 9075-3:1999, second edition) \$260

CAN/CSA-ISO/IEC 9075-4:02, 1st edition
Information Technology—Database Languages—SQL—Part 4: Persistent Stored Modules (SQL/PSM) (Adopted ISO/IEC 9075-4:1999, second edition) \$170

CAN/CSA-ISO/IEC 9314-4:02, 1st edition
Information Technology—Fibre Distributed Data Interface (FDDI)—Part 4: Single-Mode Fibre Physical Layer Medium Dependent (SMF-PMD) (Adopted ISO/IEC 9314-4:1999, first edition) . \$120

CAN/CSA-ISO/IEC 9595:02, 1st edition
Information Technology—Open Systems Interconnection—Common Management Information Service (Adopted ISO/IEC 9595:1998, third edition) . . . \$95

CAN/CSA-ISO/IEC 9797-1:02, 1st edition
Information Technology—Security Techniques—Message Authentication Codes (MACs)—Part 1: Mechanisms Using a Block Cipher (Adopted ISO/IEC 9797-1:1999, first edition) \$65

CAN/CSA-ISO/IEC 9798-5:02, 1st edition
Information Technology—Security Techniques—Entity Authentication—Part 5: Mechanisms Using Zero Knowledge Techniques (Adopted ISO/IEC 9798-5:1999, first edition) \$90

CAN/CSA-ISO/IEC 10021-7:02, 2nd edition
Information Technology—Message Handling Systems (MHS): Interpersonal Messaging System (Adopted ISO/IEC 10021-7:1997, second edition) \$180

CAN/CSA-ISO/IEC 10021-7A:02
Amendment 1:2002, "Security Error Diagnostic Codes," to CAN/CSA-ISO/IEC 10021-7:02 (Adopted Amendment 1:1998 to ISO/IEC 10021-7:1997) \$30

CAN/CSA-ISO/IEC 10742C:02
Information Technology—Telecommunications and Information Exchange Between Systems—Elements of Management Information Related to OSI Data Link Layer Standards. Amendment 3:2002: "Addition of New Counter Attributes" (Adopted Amendment 3:1996 to ISO/IEC 10742:1994) . . \$10

CAN/CSA-ISO/IEC ISP 12068-2:02, 1st edition
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 (Adopted ISO/IEC ISP 12068-2:1996, first edition) \$50

CAN/CSA-ISO/IEC ISP 12071-2:02, 1st edition
Information Technology—International Standardized Profile FCG-nnn—Computer Graphics Metafile Interchange Format—Part 2: FCG23—Advanced Scientific and Technical Graphics (AST) (Adopted ISO/IEC ISP 12071-2:1997, first edition) \$150

CAN/CSA-ISO/IEC ISP 12071-3:02, 1st edition
Information Technology—International Standardized Profile FCG-nnn—Computer Graphics Metafile Interchange Format—Part 3: FCG32—Basic Presentation and Visualization—Model Profile (Adopted ISO/IEC ISP 12071-3:1997, first edition) \$150

CAN/CSA-ISO/IEC 13818-6A:02
Information Technology—Generic Coding of Moving Pictures and Associated Audio Information—Part 6: Extensions for DSM-CC. Amendment 1:2002, "Additions to Support Data Broadcasting" (Adopted Amendment 1:2000 to ISO/IEC 13818-6:1998) . \$10

CAN/CSA-ISO/IEC 13818-6B:02
Information Technology—Generic Coding of Moving Pictures and Associated Audio Information—Part 6: Extensions for DSM-CC. Amendment 2:2002, "Additions to Support Synchronized Download Services, Opportunistic Data Services and Resource Announcement in Broadcast and Interactive Services" (Adopted Amendment 2:2000 to ISO/IEC 13818-6:1998) \$10

CAN/CSA-ISO/IEC 13818-7:02, 1st edition
Information Technology—Generic Coding of Moving Pictures and Associated Audio Information—Part 7: Advanced Audio Coding (AAC) (Adopted ISO/IEC 13818-7:1997, first edition, including Technical Corrigendum 1:1998) \$170



New Standards & Editions (cont'd)

CAN/CSA-ISO/IEC 14496-3:02, 1st edition <i>Information Technology—Coding of Audio-Visual Objects—Part 3: Audio</i> (Adopted ISO/IEC 14496-3:1999, first edition)	\$330
CAN/CSA-ISO/IEC 14496-3A:02 Amendment 1:2002, "Audio Extensions," to CAN/CSA-ISO/IEC 14496-3:02 (Adopted Amendment 1:2000 to ISO/IEC 14496-3:1999)	\$230
CAN/CSA-ISO/IEC 14977:02, 1st edition <i>Information Technology—Syntactic Metalanguage—Extended BNF</i> (Adopted ISO/IEC 14977:1996, first edition)	\$50
CAN/CSA-ISO/IEC 15068-2:02, 1st edition (ANSI/IEEE Std 1387.2:1995) <i>Information Technology—Portable Operating System Interface (POSIX®) System Administration—Part 2: Software Administration</i> (Adopted ISO/IEC 15068-2:1999, first edition)	\$215
CAN/CSA-ISO/IEC ISP 15121-3:02, 1st edition <i>Information Technology—International Standardized Profile AODIn—Interactive Manipulation of ODA Documents—Part 3: AOD13—DTAM/Manipulation</i> (Adopted ISO/IEC ISP 15121-3:1997, first edition)	\$105
CAN/CSA-ISO/IEC 15408-1:02, 1st edition <i>Information Technology—Security Techniques—Evaluation Criteria for IT Security—Part 1: Introduction and General Model</i> (Adopted ISO/IEC 15408-1:1999, first edition)	\$115
CAN/CSA-ISO/IEC 15408-3:02, 1st edition <i>Information Technology—Security Techniques—Evaluation Criteria for IT Security—Part 3: Security Assurance Requirements</i> (Adopted ISO/IEC 15408-3:1999, first edition)	\$190
CAN/CSA-ISO/IEC 15459-1:02, 1st edition <i>Information Technology—Unique Identification of Transport Units—Part 1: General</i> (Adopted ISO/IEC 15459-1:1999, first edition)	\$30
CAN/CSA-ISO/IEC 16500-1:02, 1st edition <i>Information Technology—Generic Digital Audio-Visual Systems—Part 1: System Reference Models and Scenarios</i> (Adopted ISO/IEC 16500-1:1999, first edition)	\$170
CAN/CSA-ISO/IEC 16500-2:02, 1st edition <i>Information Technology—Generic Digital Audio-Visual Systems—Part 2: System Dynamics, Scenarios and Protocol Requirements</i> (Adopted ISO/IEC 16500-2:1999, first edition)	\$170

CAN/CSA-ISO/IEC 16500-4:02, 1st edition <i>Information Technology—Generic Digital Audio-Visual Systems—Part 4: Lower-Layer Protocols and Physical Interfaces</i> (Adopted ISO/IEC 16500-4:1999, first edition)	\$170
CAN/CSA-ISO/IEC 16500-5:02, 1st edition <i>Information Technology—Generic Digital Audio-Visual Systems—Part 5: High and Mid-Layer Protocols</i> (Adopted ISO/IEC 16500-5:1999, first edition)	\$170
CAN/CSA-ISO/IEC 16500-7:02, 1st edition <i>Information Technology—Generic Digital Audio-Visual Systems—Part 7: Basic Security Tools</i> (Adopted ISO/IEC 16500-7:1999, first edition)	\$170
CAN/CSA-ISO/IEC 16500-8:02, 1st edition <i>Information Technology—Generic Digital Audio-Visual Systems—Part 8: Management Architecture and Protocols</i> (Adopted ISO/IEC 16500-8:1999, first edition)	\$170

Nouvelles parutions en français

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

CAN/CSA-ISO/CEI 8073:02, 2^e édition <i>Technologies de l'information—Interconnexion de systèmes ouverts (OSI)—Protocole assurant le service de transport en mode connexion</i> (norme ISO/CEI 8073:1997 adoptée, 4 ^e édition)	170 \$
CAN/CSA-ISO/CEI 8073A:02 Amendement 1:2002, « Assouplissement des contraintes liées aux prescriptions de conformité de classe et à la négociation du service de données exprès », à la norme CAN/CSA-ISO/CEI 8073:02 (norme ISO/CEI 8073:1997, amendement 1:1998, adoptée)	10 \$
CAN/CSA-ISO/CEI 8326:02, 1^{re} édition <i>Technologies de l'information—Interconnexion de systèmes ouverts (OSI)—Définition du service de session</i> (norme ISO/CEI 8326:1996, 2 ^e édition, adoptée)	150 \$



Nouvelles parutions (suite)

CAN/CSA-ISO/CEI 8326A:02

Amendement 1:2002, « Amélioration de l'efficacité », à la norme CAN/CSA-ISO/CEI 8326:02 (norme ISO/CEI 8326:1996, amendement 1:1998, adoptée) 10 \$

CAN/CSA-ISO/CEI 8326B:02

Amendement 2:2002, « Unité fonctionnelle de connexions nichée », à la norme CAN/CSA-ISO/CEI 8326:02 (norme ISO/CEI 8326:1996, amendement 2:1998, adoptée) 10 \$

CAN/CSA-ISO/CEI 8649:02, 1^{re} édition

Technologies de l'information–Interconnexion de systèmes ouverts (OSI)–Définition de service applicable à l'élément de service de contrôle d'association (norme ISO/CEI 8649:1996, 2^e édition, adoptée) 80 \$

CAN/CSA-ISO/CEI 8649B:02

Amendement 2:2002, « Mécanisme d'association rapide », à la norme CAN/CSA-ISO/CEI 8649:02 (norme ISO/CEI 8649:1996, amendement 2:1998, adoptée) 10 \$

CAN/CSA-ISO/CEI 9595:02, 3^e édition

Technologies de l'information–Interconnexion de systèmes ouverts (OSI)–Service commun d'information de gestion (norme ISO/CEI 9595:1998 adoptée, 3^e édition) 95 \$

CAN/CSA-ISO/CEI 10021-7A:02

Technologies de l'information–Systèmes de messagerie (MHS) : Système de messagerie de personne à personne. Amendement 1:2002, « Codes de diagnostic d'erreur de sécurité » (norme ISO/CEI 10021-7:1997, amendement 1:1998, adoptée) 30 \$

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 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	4

Endorsed Standards

- ISO 704:2000**
Terminology Work—Principles and Methods
- ISO 1087-1:2000**
Terminology Work—Vocabulary—Part 1: Theory and Application
- ISO 1087-2:2000**
Terminology Work—Vocabulary—Part 2: Computer Applications

Withdrawn Standards

CSA has withdrawn its endorsement of the following:

- **ANSI/IEEE 91-1984**
Graphic Symbols for Logic Functions
- **ANSI 315-1975**
Graphic Symbols for Electrical and Electronics Diagrams (Including Reference Designation Class Designation Letters)
- **ANSI/IEEE 315A-1986**
Supplement to ANSI 315-1975

Withdrawn Standards (cont'd)

- **ANSI PH1.10-1976**
Dimensions for Unperforated and Perforated Photographic Film in Rolls, Including Leaders and Trailers, for Aerial and Related Uses
- **IEEE 200-1975**
Reference Designations for Electrical and Electronics Parts and Equipment
- **ISO 2901:1977**
ISO Metric Trapezoidal Screw Threads—Basic Profile and Maximum Material
- **ISO 2902:1977**
ISO Metric Trapezoidal Screw Threads—General Plan
- **ISO 2903:1977**
Metric Trapezoidal Screw Threads—Tolerances
- **ISO 2904:1977**
Metric Trapezoidal Screw Threads—Basic Dimensions

CSA has withdrawn the following CSA standards:

- **CAN/CSA-Z780-92 (R2000)**
Principles and Methods of Terminology
- **CAN/CSA-Z781-92 (R2000)**
Terminology—Vocabulary

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			
Business-to-Consumer Electronic Commerce	CSA/BNQ 9700-500	ns	H
Quality Assurance Requirements for Measuring Equipment	ISO 10012	ne	3
Guidelines on Quality and/or Environmental Managing Systems Auditing	ISO 19011	ns	3
Basic Engineering			
Guide for the Selection and Use of Preferred Numbers	Z234.3	ne	3



New Standards & Editions

B137 Series-02, 2nd edition

Thermoplastic Pressure Piping Compendium \$145

This series consists of the following standards:

- **B137.0, 6th edition, *Definitions, General Requirements, and Methods of Testing for Thermoplastic Pressure Piping***
- **B137.1, 6th edition, *Polyethylene Pipe, Tubing, and Fittings for Cold-Water Pressure Services***
- **B137.2, 4th edition, *PVC Injection-Moulded Gasketed Fittings for Pressure Applications***
- **B137.3, 8th edition, *Rigid Polyvinyl Chloride (PVC) Pipe for Pressure Applications***
- **B137.4, 6th edition, *Polyethylene Piping Systems for Gas Services***
- **B137.4.1, 3rd edition, *Electrofusion-Type Polyethylene Fittings for Gas Services***
- **B137.5, 5th edition, *Crosslinked Polyethylene (PEX) Tubing Systems for Pressure Applications***
- **B137.6, 5th edition, *CPVC Pipe, Tubing, and Fittings for Hot- and Cold-Water Distribution Systems***
- **B137.8, 5th edition, *Polybutylene (PB) Piping for Pressure Applications***
- **B137.9, 4th edition, *Polyethylene/Aluminum/ Polyethylene Composite Pressure-Pipe Systems***
- **B137.10, 4th edition, *Crosslinked Polyethylene/ Aluminum/Crosslinked Polyethylene Composite Pressure-Pipe Systems***
- **B137.11, 3rd edition, *Polypropylene (PP-R) Pipe and Fittings for Pressure Applications***
- **B137.12, 3rd edition, *Polyamide Piping Systems for Gas Services***

CAN/CSA-S16-01, 6th edition

Limit States Design of Steel Structures \$100

This standard provides rules and requirements for the design, fabrication, and erection of steel structures. The design is based on limit states. The term "steel structures" refers to structural members and frames that consist primarily of structural steel components, including the detail parts, welds, bolts, or other fasteners required in fabrication and erection. This standard also applies to structural steel components in structures framed in other materials.

Requirements for steel structures such as bridges, antenna towers, offshore structures, and cold-formed steel structural members are given in other CSA standards.

S832-01, 1st edition

Guideline for Seismic Risk Reduction of Operational and Functional Components (OFCs) of Buildings . \$120

This guideline provides information and methodology for:

- identifying and evaluating hazards caused by earthquake forces acting on operational and functional components (OFCs)
- undertaking appropriate mitigation strategies and techniques.

Seismic risk reduction of OFCs is affected by the structural performance of the building. This guideline does not address the structural integrity of the building.

This guideline is intended for use by building owners, building inspectors, facility managers, engineers, architects, and other stakeholders whose primary focus is to ensure the safety, serviceability, and durability of OFCs when subjected to earthquakes.

The guideline may be used to identify types of OFCs, their failure modes and consequences, and design/retrofit approaches that might be used. It applies to most buildings, including office and residential buildings, schools, health facilities, and laboratories. This guideline can be applied to new or existing buildings (including renovations). It applies to most major occupancy classifications listed in Appendix A of the *National Building Code of Canada (NBC)*.



Amendments

CAN/CSA-A277-01

Procedure for Certification of Factory-Built Houses

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

O80 Series-97

Wood Preservation

Revision of O80.34-97, Clause 1.1 and Table 1.

CAN/CSA-Z240 RV Series-99

Recreational Vehicles

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

Modifications publiées en français

CAN/CSA-A277-01

Méthode de certification des maisons fabriquées en usine

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

CAN/CSA-Z240 VC Série-99

Véhicules de camping

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

Reaffirmed Standards

W186-M1990 (R2002)

Welding of Reinforcing Bars in Reinforced Concrete Construction

Drafts

Please note: Public comments about the following draft standards and proposed amendments are due by July 8, 2002.

To receive copies of the following draft standard, or to offer comments, contact Cecilia Vega at 416-747-4009 or cecilia.vega@csa.ca:

- **G40.20/G40.21, 6th edition**
General Requirements for Rolled or Welded Structural Quality Steel/Structural Quality Steel

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

- **A165 Series, 4th edition**
CSA Standards on Concrete Masonry Units
- **O112.9, 1st edition**
Exterior Structural Adhesives for Wood
(This standard will become part of the next edition of the O112 series.)
- **O118.3, Proposed amendment**
Northern Pine Tapersawn Shakes
Proposed revision of various clauses.
- **O122, 3rd edition**
Structural Glued Laminated Timber
- **S304.1, 2nd edition**
Masonry Design for Buildings (Limit States Design)



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 Products and Systems			
Asphalt Shingles Made from Organic/Glass Felt and Surfaced with Mineral Granules	A123.1/.5	ne	2
Asphalt-Coated Roofing Sheets	A123.2	ne	2
Asphalt for Use in Construction of Built-up Roof Coverings and Water-Proofing Systems	A123.4	ne	2
Asphalt-Coated Glass-base Sheet	A123.16	ne	2
Asphalt-Saturated Felted Glass-fibre Mat for Use in Built-up Roofs	A123.17	ne	2
Asphalt Shingle Application on Roof Slopes 1:3 and Steeper	A123.51	ne	2
Asphalt Shingle Application on Roof Slopes 1:6 to Less Than 1:3	A123.52	ne	2
Industrial and Commercial Storage Racking Systems	A344	ns	2
Harmonized Windows Standard	A440H	ns	2
Harmonized Windows Energy Standard	A440.2H	ns	2
Entry Door Systems	A440.6	ns	2
Park Model Trailers	Z241 Series	ne	2
Log Homes and Buildings	Z824	ns	H
Masonry			
Concrete Masonry Units	A165 Series	ne	2
Mortar and Grout for Unit Masonry	A179	ne	1
Masonry Connectors	A370	ne	1
Masonry Construction for Buildings	A371	ne	1
Offshore Structures			
General Requirements, Design Criteria, the Environment, and Loads	S471	ne	3
Foundations	S472	ne	3
Steel Structures	S473	ne	3
Concrete Structures	S474	ne	3
Sea Operations	S475	ne	3
Floating Structures	S476	ns	2
Concrete			
Concrete Materials and Methods of Concrete Construction/ Methods of Test for Concrete	A23.1/A23.2	ne	3
Plant Certification for Manufacturers of Concrete Roof Tiles	A220.0/.1/.2	ne	3
Standards for Concrete Pipe	A257	ne	1
Cementitious Materials Compendium	A3000 Series	ne	3



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
Welding			
General Requirements for Rolled or Welded Structural Quality Steel/ Structural Quality Steels	G40.20/.21	ne	1
Certification of Companies for Fusion Welding of Steel Structures	W47.1	ne	4
Welded Steel Construction (Metal Arc Welding)	W59	ne	4
Performance Testing of Welders, Tack Welders, and Welding Operators for the Fusion Welding of Steel	W901	ns	3
Forest Products			
Wood Utility Poles and Reinforcing Stubs	O15	ne	H
Exterior Structural Adhesives for Wood	O112.9	ns	2
Western Cedar Shakes and Shingles	O118.1	ne	2
Eastern White Cedar Shingles	O118.2	ne	2
Douglas Fir Plywood	O121	ne	2
Structural Glued-Laminated Timber	O122	ne	2
Canadian Softwood Lumber	O151	ne	2
Qualification Code for Manufacturers of Structural Glulam Timber	O177	ne	2
Procedure for Certification of Pressure-Treated Wood Materials for Use in Preserved Wood Foundations	O322	ne	3
Plumbing Products and Materials			
Plumbing Fixtures	B45 Series	ne	4
Cast Iron Soil Pipe, Fittings, and Joining	B70.1	ns	1
Harmonized Plumbing Fittings	B125.1	ns	2
Grease Interceptors	B481 Series	ns	1
Plastic Nonpressure Pipe Compendium	B1800 Series	ne	5
Structures (Design)			
Design of Concrete Structures	A23.3	ne	3
Cold-Formed Steel Structural Members	S136	ne	4
Strength Design in Aluminum	S157	ne	4
Falsework for Construction Purposes	S269.1	ne	1
Access Scaffolding for Construction Purposes	S269.2	ne	1
Concrete Formwork	S269.3	ne	1
Masonry Design for Buildings (LSD)	S304.1	ne	2
Code of Practice for Safety in Demolition of Structures	S350	ne	1
Construction of Preserved Wood Foundations	S406	ne	1
Parking Structures	S413	ne	1
Limit States Design of Advanced Composite Materials for Buildings	S806	ns	5



New Standards & Editions

Z245.6-02, 3rd edition

Coiled Aluminum Line Pipe and Accessories \$50

This standard provides requirements for coiled aluminum line pipe and accessories primarily intended for use in oil and gas pipeline systems.

Modifications publiées en français

CAN/CSA-B139-00

Code d'installation des appareils de combustion au mazout

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

Amendments

CAN/CSA-B139-00

Installation Code for Oil-Burning Equipment

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

Drafts

Please note: Public comments about the following proposed amendment are due by July 8, 2002. To receive copies or offer comments, contact Laura Pelan at 416-747-2590 or laura.pelan@csa.ca:

- **C373-92, Proposed amendment**
Energy Consumption Test Methods for Household Dishwashers

Proposed revision of various clauses.

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			
Energy Consumption Test Methods for Household Electric Ranges	C358	ne	2
Energy Performance, Water Consumption, and Capacity of Automatic Household Clothes Washers	C360	ne	1
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	2
Performance Standard for Roadway Lighting Luminaires	C653	ne	2
Energy Performance Standard for Commercial Refrigerated Display Cabinets and Merchandisers	C657	ne	2
Performance Standard For Rating Packaged Water Chillers	C743	ne	4
Standard for Packaged Terminal Air Conditioners and Heat Pumps	C744	ne	3
Energy Efficiency for Single- and Three-phase Small Motors	C747	ne	H
Small Fluid Pumps	C820	ns	5
Performance of Ballast for Use With High Intensity Discharge Lamps	C863	ns	2
Residential Mechanical Ventilation Systems	F326	ne	2
Solar Domestic Hot Water Systems	F379.1	ne	2



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
Fire Safety and Fuel Burning Equipment			
Installation Code for Oil Burning Equipment	B139	ne	3
General Requirements for Oil Burning Equipment	B140.0	ne	4
Oil Fired Furnaces	B140.4	ne	2
Oil Fired Steam and Hot Water Boilers for Residential Use	B140.7.1	ne	1
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
Mechanical Flue-Gas Exhausters	B255	ne	2
Installation and Maintenance of Farm Stand-by Electric Power	C679	ns	5
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	3
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	4
Management System Requirements for Nuclear Power Plants	N286.0	ne	3
Requirements for Environmental Qualification of Equipment for 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	5
External Fusion Bond Epoxy Coating for Steel Pipe	Z245.20	ne	4
External Polyethylene Coating for Pipe	Z245.21	ne	4
Storage of Hydrocarbons in Underground Formations (series)—			
— Reservoirs	Z341.1	ns	3
— Salt Caverns	Z341.2	ns	3
— Mined Caverns	Z341.3	ns	3
Oil and Gas Pipeline Systems	Z662	ne	3