



INFO UPDATE

Volume 1 January/February 2002

Issue date: February 12, 2002

Deadline for comments: April 15, 2002

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:

- February 18, 2002
- March 25, 2002

In addition, there will be a special member training session on June 19, 2002, at CSA's annual general meeting in Victoria, B.C.!

An interactive session for **Committee Chairs** is scheduled for April 5, 2002, at the Canadian Standards Association office in Toronto.

To register for these or future sessions, or for more information, please contact:

Cathy Frederickson

Manager, Member Development
178 Rexdale Blvd., Toronto, ON M9W 1R3
Telephone: 416-747-4206 Fax: 416-747-2473
E-mail: cathy.frederickson@csa.ca

Formation des membres

Le programme de formation des membres de la CSA permet aux membres d'obtenir des renseignements précieux sur la CSA et sur le processus d'élaboration des normes.

Les **membres de comité** désireux de mieux connaître les politiques et les procédures qui régissent l'élaboration des normes peuvent s'inscrire à l'une des formations d'une journée qui se tiendront au bureau de l'Association canadienne de normalisation à Toronto, le :

- 18 février 2002 ;
- 25 mars 2002.

De plus, une séance spéciale de formation à l'intention des membres se tiendra le 19 juin 2002 dans le cadre de la conférence annuelle de la CSA à Victoria en Colombie-Britannique !

Une séance interactive s'adressant aux **présidents de comité** est prévue pour le 5 avril 2002 au bureau de l'Association canadienne de normalisation à Toronto.

Pour vous inscrire à ces séances ou pour plus de renseignements, veuillez communiquer avec :

Cathy Frederickson

Chef, Perfectionnement des membres
178, boul. Rexdale, Toronto, ON M9W 1R3
Téléphone : 416-747-4206 Téléc. : 416-747-2473
Courriel : cathy.frederickson@csa.ca



Gas Equipment

New Standards & Editions

ANSI LC1b-2001/CSA 6.26b-2001
Addenda 2 to "Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)" \$75

This document provides revisions to ANSI LC1-1997/CSA 6.26-M97 and ANSI LC1a-1999/CSA 6.26a-M99.

ANSI/CSA NGV 2a-2001
Addenda to "Basic Requirements for Compressed Natural Gas Vehicle (NGV) Fuel Containers" \$16

This document provides revisions to ANSI/CSA NGV 2-2000.

ANSI Z21.11.2a-2001
Addenda to "Unvented Gas-Fired Room Heaters, Volume II, Unvented Room Heaters" \$55

This document provides revisions to ANSI Z21.11.2-2000.

ANSI Z21.20b-2001
Addenda 2 to "Automatic Gas Ignition Systems and Components" \$45

This document provides revisions to ANSI Z21.20-2000 and ANSI Z21.20a-2000.

ANSI Z21.63a-2001/CSA 11.3a-2001
Addenda to "Portable Type Gas Camp Heaters" . . . \$40

This document provides revisions to ANSI Z21.63-2000/CSA 11.3-2000.

ANSI Z21.72a-2001/CSA 11.2a-2001
Addenda to "Portable Type Gas Camp Stoves" \$40

This document provides revisions to ANSI Z21.72-2000/CSA 11.2-2000.

ANSI Z21.73a-2001/CSA 11.1a-2001
Addenda to "Portable Type Gas Camp Lights" \$45

This document provides revisions to ANSI Z21.73-2000/CSA 11.1-2000.

ANSI Z21.84b-2001
Addenda 2 to "Manually Lighted Natural Gas Decorative Gas Appliances for Installation in Solid-Fuel Burning Fireplaces" \$40

This document provides revisions to ANSI Z21.84-1999 and ANSI Z21.84a-2000.

New Standards & Editions (cont'd)

ANSI Z21.88b-2001/CSA 2.33b-2001
Addenda 2 to "Vented Gas Fireplace Heaters" \$45

This document provides revisions to ANSI Z21.88-2000/CSA 2.33-2000 and ANSI Z21.88a-2000/CSA 2.33a-2000.

Proposed New Projects

For information about the proposed development of the following new project, contact Mary Lehoveczki at 416-747-4367 or mary.lehoveczki@csa.ca:

- **ANSI/IAS NGV 4.2 / CSA 12.52**
Natural Gas Vehicles and Dispensing Systems

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 April 15, 2002.

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

- **ANSI Z21.5.1/CSA 7.1, proposed addenda a**
Gas Clothes Dryers, Volume I—Type 1 Clothes Dryers
- **ANSI Z21.5.2/CSA 7.2, proposed addenda a**
Gas Clothes Dryers, Volume II—Type 2 Clothes Dryers
- **ANSI Z21.13/CSA 4.9, proposed addenda b**
Gas-Fired Low Pressure Steam and Hot Water Boilers
- **ANSI Z21.24/CSA 6.10, proposed addenda b**
Connectors for Gas Appliances
- **ANSI Z21.69/CSA 6.16, proposed addenda a**
Connectors for Movable Gas Appliances
- **ANSI Z21.75/CSA 6.27, proposed addenda b**
Connectors for Outdoor Gas Appliances and Manufactured Homes
- **ANSI/IAS NGV 4.2/CSA 12.52, proposed revisions to addenda a**
Natural Gas Vehicles and Dispensing Systems



Reaffirmed Standards

CAN/CGA-B105-M93 (R2001)
Code for Digester Gas and Landfill Installations

ANSI Z21.58-1995/CGA 1.6-M95 (R2001)
Outdoor Cooking Gas Appliances

ANSI Z83.8-1996/CGA 2.6-M96 (R2001)
Gas Unit Heaters and Gas-Fired Duct Furnaces

Withdrawn Standards

ANSI Z83.3-1971
Gas Utilization Equipment in Large Boilers

ANSI Z83.3a-1972
Addenda 1 to Z83.3-1971

ANSI Z83.3b-1976
Addenda 2 to Z83.3-1971

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	5
Outdoor Cooking Specialty Gas Appliances	1.18/ANSI Z21.89	ns	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
Performance Test Methods			
Testing Method for Measuring Annual Fireplace Efficiency	P.4.1	ne	5



Nouvelles parutions en français

CAN/CSA-ISO 14971:01, 1^{re} édition
Dispositifs médicaux—Application de la gestion des risques aux dispositifs médicaux (norme ISO 14971:2000 adoptée, première édition, 2000-12-15) 95 \$

Cette norme spécifie une procédure pour permettre au fabricant d'identifier les phénomènes dangereux associés aux dispositifs médicaux et à leurs accessoires, y compris les dispositifs médicaux de diagnostic in vitro, d'estimer et d'évaluer les risques, de maîtriser ces risques et de surveiller l'efficacité de cette maîtrise.

Les exigences de cette norme sont applicables à tous les stades du cycle de vie d'un dispositif médical.

Cette norme ne spécifie pas les niveaux d'acceptabilité des risques.

Cette norme n'est pas applicable aux jugements cliniques relatifs à l'utilisation d'un dispositif médical.

Z412-00, 1^{re} édition
Guide sur l'ergonomie au bureau 150 \$

Ce document incorpore l'ergonomie à un processus de conception par étapes qui permet de créer un système bureautique des plus efficaces, ce qui inclut notamment la conception et l'organisation du travail, l'aménagement des bureaux, les conditions environnementales et la conception des postes de travail. Ce document s'adresse tout particulièrement aux employeurs et aux employés de bureau chargés d'administrer les programmes d'ergonomie et de santé et sécurité au travail de leur entreprise. Le document présente également un intérêt pour les concepteurs d'installations de travail, les acheteurs, les responsables de l'entretien des immeubles, les organismes de réglementation du secteur de la santé et de la sécurité au travail ainsi que les fabricants et les concepteurs qui doivent tenir compte des principes d'ergonomie au bureau.

L'objectif général de ce document est de favoriser la conception d'un système bureautique adapté aux utilisateurs. Pour ce faire, le document propose une démarche qui consiste à tenir compte des caractéristiques et des habiletés des éventuels utilisateurs dans l'organisation du travail et la conception des tâches, des écrans de visualisation, des dispositifs d'entrée ainsi que des aires et du milieu de travail.

Nouvelles parutions (suite)

La réalisation de cet objectif de la norme Z412 permet aux personnes travaillant dans un bureau :

- d'être en meilleure santé ;
- d'améliorer leur efficacité ;
- d'augmenter leur efficacité ;
- d'améliorer leur rendement ;
- de ne plus ressentir de malaises ;
- d'accroître leur sentiment de satisfaction.

Amendments

CAN/CSA-B620-98
Highway Tanks and Portable Tanks for the Transportation of Dangerous Goods

Revision of Table 8.1.

Modifications publiées en français

CAN/CSA-B620-98
Citernes routères et citernes amovibles pour le transport des marchandises dangereuses

Des modifications ont été apportées à la table des matières, aux articles 3.3, 5.2.1.10, 5.2.2.2, 5.3.2.1, 5.6.7.4, 5.6.8.1, 6.2.8.2, et 8.2.1, ainsi qu'au tableau 8.1. Les articles 5.1.6.4, 5.2.7, 5.3.2.5, 6.2.9.3, et 8.2.9 ainsi que les appendices C et D ont été ajoutés.

Proposed New Projects

For more information about the proposed development of the following new projects, contact Ron Meyers at 416-747-2687 or ron.meyers@csa.ca:

- **new standard [designation not assigned]**
Articulating (Knuckle) Boom Cranes
- **Z259.2.1, proposed amendments**
Fall-Arresting Devices and Vertical Lifelines
Proposed amendments to various clauses.
- **Z259.11, 2nd edition**
Shock Absorbers for Personal Fall Arrest Systems
- **Z888, 1st edition**
Lockout/Hazardous Energy Control



Proposed New Projects (cont'd)

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

- **D250, 7th edition**
School Buses
- **Z614, 3rd edition**
Children's Playspaces and Equipment

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

- **Z11.1, 1st edition**
Portable Wooden Ladders
- **Z11.2, 1st edition**
Portable Metal Ladders
- **Z11.3, 1st edition**
Portable Reinforced Plastic Ladders
- **Z94.1, 5th edition**
Industrial Protective Headwear
- **Z94.3, 6th edition**
Industrial Eye and Face Protectors

Drafts

Please note: Public comments about draft standards and proposed amendments listed in this issue are due by April 15, 2002.

To receive copies of the following draft standard, or to offer comments, contact Ian Brodie at 416-747-2670 or ian.brodie@csa.ca:

- **B51, 16th edition**
Boiler, Pressure Vessel, and Pressure Piping Code

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

- **Z98-01, Supplement No. 1**
Supplement No. 1 to Z98-01, Passenger Ropeways

Drafts (cont'd)

To receive copies of the following draft standards, or to offer comments, contact Jackie Halge at 416-747-2303 or jackie.halge@csa.ca:

- **B354.5, 1st edition**
Mast Climbers
- **Z259.13, 1st edition**
Horizontal Lifelines
- **Z275.4, 2nd edition**
Competency Standard for Diving Operations
- **Z314.10, 3rd edition**
Selection, Use, Maintenance, and Laundering of Reusable Textile Wrappers, Surgical Gowns, and Drapes for Health Care Facilities
- **Z314.15, 1st edition**
Warehousing, Storage and Transportation of Clean and Sterile Medical Devices
- **Z795, 2nd edition**
Code of Work Injury or Disease Information

Proposed Adoption of Standards

Note: Public comments about proposed adoptions listed in this issue are due by April 15, 2002.

For more information about the proposed adoption of the following IEC standard, contact Mike Dodd at 416-747-2322 or mike.dodd@csa.ca:

- **IEC 60601-2-12, 2nd edition**
Medical Electrical Equipment—Part 2-12: Particular Requirements for the Safety of Lung Ventilators—Critical Care Ventilators

Proposed Reaffirmation of Standards

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

- **B167-96**
Safety Standard for Maintenance and Inspection of Overhead Cranes, Gantry Cranes, Monorails, Hoists, and Trolleys



Proposed Endorsement of Standards

Note: Public comments about proposed endorsements listed in this issue are due by April 15, 2002.

For more information about the proposed endorsement of the following ISO standards, contact George Schidowka at 416-747-2743 or george.schidowka@csa.ca:

- **ISO 3630-2:2000**
Dental Root Canal Instruments—Part 2: Enlargers
- **ISO 4049:2000**
Dentistry—Polymer-based Filling, Restorative and Luting Materials
- **ISO 4823:2000**
Dentistry—Elastomeric Impression Materials
- **ISO 6876:2001**
Dental Root Canal Sealing Materials (Available in English Only)
- **ISO 7490:2000**
Dental Gypsum-bonded Casting Investments
- **ISO 7491:2000**
Dental Materials—Determination of Colour Stability
- **ISO 7786:2001**
Dental Rotary Instruments—Laboratory Abrasive Instruments
- **ISO 7787-2:2000**
Dental Rotary Instruments—Cutters—Part 2: Carbide Laboratory Cutters
- **ISO 7885:2000**
Sterile Dental Injection Needles for Single Use
- **ISO 10271:2001**
Dental Metallic Materials—Corrosion Test Methods

Reaffirmed Standards

- B335-94 (R2001)**
Industrial Lift Truck Operator Training
- CAN3-B354.1-M82 (R2001)**
Elevating Rolling Work Platforms
- CAN/CSA-ISO 5840-98 (R2002)**
Cardiovascular Implants—Cardiac Valve
- CAN/CSA-ISO 7767-98 (R2002)**
Oxygen Monitors for Monitoring Patient Breathing Mixtures—Safety Requirements

Reaffirmed Standards (cont'd)

- CAN/CSA-ISO 10993-5-97 (R2002)**
Biological Evaluation of Medical Devices—Part 5: Tests for Cytotoxicity: in vitro Methods
- CAN/CSA-ISO 10993.7-98 (R2002)**
Biological Evaluation of Medical Devices—Part 7: Ethylene Oxide Sterilization Residuals
- CAN/CSA-ISO 10993-10-98 (R2002)**
Biological Evaluation of Medical Devices—Part 10: Tests for Irritation and Sensitization
- CAN/CSA-ISO 10993-11-98 (R2002)**
Biological Evaluation of Medical Devices—Part 11: Tests for Systemic Toxicity
- CAN/CSA-ISO 10993-12-98 (R2002)**
Biological Evaluation of Medical Devices—Part 12: Sample Preparation and Reference Materials
- CAN/CSA-ISO 11134-98 (R2002)**
Sterilization of Health Care Products—Requirements for Validation and Routine Control—Industrial Moist Heat Sterilization
- CAN/CSA-ISO 11135-98 (R2002)**
Medical Devices—Validation and Routine Control of Ethylene Oxide Sterilization
- CAN/CSA-ISO 11137-98 (R2002)**
Sterilization of Health Care Products—Requirements for Validation and Routine Control of Radiation Sterilization
- CAN/CSA-ISO 11196-98 (R2002)**
Anaesthetic Gas Monitors
- CAN/CSA-ISO-13485-98 (R2001)**
Quality Systems—Medical Devices—Particular Requirements for the Application of ISO 9001
- CAN/CSA-ISO-13488-98 (R2001)**
Quality Systems—Medical Devices—Particular Requirements for the Application of ISO 9002
- CAN/CSA-M3767-2-97 (R2002)**
Tractors, Machinery for Agriculture and Forestry, Powered Lawn and Garden Equipment—Symbols for Operator Controls and Other Displays—Part 2: Symbols for Agricultural Tractors and Machinery
- CAN3-Z11-M81 (R2001)**
Portable Ladders
- Z62.1-95 (R2001)**
Chain Saws
- CAN/CSA-Z91-M90 (R2001)**
Safety Code for Window Cleaning Operation



Reaffirmed Standards (cont'd)

- CAN/CSA-Z142-M90 (R2001)
Code for Punch Press and Brake Press Operation: Health, Safety, and Guarding Requirements
- Z168.3-97 (R2001)
Anaesthetic Machines for Medical Use
- Z168.5.1-97 (R2001)
Anaesthesia Ventilators
- Z168.5.3-97 (R2001)
Neonatal Ventilators
- Z168.5.6-96 (R2001)
Expired Air Pulmonary Resuscitators
- Z168.11-94 (R2001)
Vacuum Devices Used for Suction and Drainage
- Z168.13-97 (R2001)
Gas-Specific Connections: Ancillary Devices for Medical Air
- Z248-1975 (R2001)
Code for Tower Cranes
- CAN/CSA-Z305.1-92 (R2001)
Non-flammable Medical Gas Piping Systems
- CAN/CSA-Z305.2-M88 (R2001)
Low-pressure Connecting Assemblies for Medical Gas Systems
- CAN/CSA-Z305.6-92 (R2001)
Medical Oxygen Concentrator Central Supply Systems for Use With Nonflammable Medical Gas Piping Systems
- CAN/CSA-Z314.10-97 (R2002)
Selection, Use, Maintenance, and Laundering of Reusable Textile Wrappers, Surgical Gowns, and Drapes for Health Facilities
- Z316.3-95 (R2002)
Biological Containment Cabinets (Class I and II) Installation and Field Testing
- Z316.5-94 (R2002)
Fume Hoods and Associated Exhaust Systems
- Z316.6-95 (R2002)
Evaluation of Single Use Medical Sharps Containers for Biohazardous and Cytotoxic Waste
- Z364.2.2-94 (R2001)
Water Treatment Equipment and Water Quality Requirements for Haemodialysis

Reaffirmed Standards (cont'd)

- Z604-95 (R2002)
Transportable Mobility Aids
- Z605-95 (R2002)
Mobility Aid Securement and Occupant Restraint (MASOR) Systems for Motor Vehicles
- CAN/CSA-Z795-96 (R2001)
Coding of Work Injury or Disease Information
- CAN/CSA-Z5361-94 (R2001)
Tracheal Tubes

Withdrawn Standards

- CAN/CSA-Z323.4.2-M86 (R1998)
Wheelchairs—Determination of Overall Dimensions, Mass and Turning Space
- CAN/CSA-Z323.4.3-M89 (R1998)
Wheelchairs—Determination of Static Stability
- CAN/CSA-Z323.4.4-M89 (R1998)
Wheelchairs—Determination of Break Effectiveness
- CAN/CSA-Z323.4.6-M89 (R1998)
Wheelchairs—Determination of Maximum Speed, Acceleration and Retardation of Electric Wheelchairs
- CAN/CSA-Z323.4.7-M89 (R1998)
Wheelchairs—Determination of Obstacle Climbing Ability of Electric Wheelchairs
- CAN/CSA-Z323.4.8-94 (R1998)
Wheelchairs—Part 8: Test Dummies
- CAN/CSA-Z323.4.9-94 (R1998)
Wheelchairs—Part 9: Determination of Coefficient of Friction of Test Surfaces
- CAN/CSA-Z323.4.10-94 (R1995)
Wheelchairs—Part 10: Determination of Efficiency of Brakes
- CAN/CSA-Z323.4.11-94 (R1998)
Wheelchairs—Part 11: Determination of Dynamic Stability of Electric Wheelchairs
- CAN/CSA-Z323.4.12-94 (R2000)
Wheelchairs—Part 12: Climatic Tests for Electric Wheelchairs



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.*

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 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
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	3
Medical Devices—Symbols to Be Used with Medical Device Labels, Labelling and Information to Be Supplied	ISO 15223	ns	C
Metered Dose Inhaler Spacer Device	Z264.1	ns	3
Medical Electrical Equipment—Particular Requirements for Safety of Medical Supply Units	Z305.8	ns	3
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
Area Measurement for Health Care Facilities	Z317.11	ne	5
Water Treatment Equipment and Water Quality Requirements for Haemodialysis	Z364.2.2	ne	2
Transportable Mobility Aids	Z604	ne	5
Mobility Aid Securement and Occupant Restraint Systems	Z605	ne	5
Safety of Tissues and Organs for Transplantation	Z900.1	ns	2
Safety of Tissues for Assisted Reproduction	Z900.2.1	ns	2
Safety of Tissues for Transplantation	Z900.2.2	ns	2
Safety of Perfusible 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	2



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
Health Care Technology (cont'd)			
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	5
Pressure Regulators and Pressure Regulators with Flow-Metering Devices for Medical Gas Systems	Z10524	ns	5
Flow-Metering Devices for Connection to Terminal Units of Medical Gas Pipeline Systems	Z15002	ns	5
Mechanical Industrial Equipment			
Elevator and Escalator Electrical Equipment	B44.1	ne	4
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
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	3
Selection and Use of Highway Tanks, Multi-Unit Tank Car Tanks, and Portable Tanks for the Transportation of Dangerous Goods, Class 2	B622	ne	3
Community and Personal Issues			
Customer Service Guide for Persons with Disabilities	B480	ns	3
Barrier-Free Design	B651	ne	1
Design for Aging	B659	ns	5
Motor Vehicles for the Transportation of Physically Disabled Persons	D409	ne	5
Transit Vehicles for the Transportation of Persons with Physical Disabilities	D435	ns	4
Over-the-road Buses for the Transportation of Persons with Physical Disabilities	D436	ns	4
Dimensions for Facially-Featured Headforms	Z262.6	ns	5
Racquet Sports Eye Protection	Z400	ns	1
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
Boom-Type Elevating Work Platforms	B354.4	ne	5
Mast Climbers	B354.5	ns	2
Lighting and Marking of Agricultural Field Equipment on Highways	M669	ne	5
Agricultural Tractors—Operator's Seating Accommodation—Dimensions	M4253	ns	H
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	2
Health and Safety Code for Suspended Equipment Operations	Z91	ne	4
Hearing Protection	Z94.2	ne	5
Eyewear User Guide	Z94.3.1	spec	5
Selection, Use, and Care of Respirators	Z94.4	ne	4
High-Visibility Safety Apparel	Z96	ns	2



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
Occupational Health and Safety (cont'd)			
Code for Punch Press and Brake Press Operation: Health, Safety, and Guarding Requirements	Z142	ne	4
Protective Footwear	Z195	ne	5
Footwear User Guide	Z195.1	spec	5
Design of Double Girder Electric Overhead Travelling Cranes	Z202	ns	H
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	3
Riot Helmets and Faceshields	Z611	ne	2
Scaffolding Guidelines	Z797	ns	2



New Standards & Editions

C22.1-02, 19th edition

Canadian Electrical Code, Part I (19th edition), Safety Standard for Electrical Installations \$80

The new, 19th edition of the *Canadian Electrical Code* is now available – in three convenient formats: **spiral-bound** (\$80), **looseleaf-with-binder** (\$90), and **PDF** (\$80).

The object of this Code is to establish safety standards for the installation and maintenance of electrical equipment. In its preparation, consideration has been given to the prevention of fire and shock hazards, as well as proper maintenance and operation.

Compliance with the requirements of this Code and proper maintenance will ensure an essentially safe installation.

This Code is not intended as a design specification nor an instruction manual for untrained persons.

This Code covers all electrical work and electrical equipment operating or intended to operate at all voltages in electrical installations for buildings, structures, and premises, including factory-built relocatable and non-relocatable structures, and self-propelled marine vessels stationary for periods exceeding five months and connected to a shore supply of electricity continuously or from time to time, with the following exceptions:

- installations or equipment employed by an electric, a communication, or a community antenna distribution system utility in the exercise of its function as a utility, and located outdoors or in buildings or sections of buildings used for that purpose
- equipment and facilities that are used in the operation of an electric railway and that are supplied exclusively from circuits that supply the motive power
- installations or equipment used for railway signalling and railway communication purposes located outdoors or in buildings or sections of buildings used exclusively for such installations
- aircraft
- electrical systems in ships which are regulated under Transport Canada, Marine Safety, Ship Electrical Standards.

For mine and quarry applications, see also CSA's standard CAN/CSA-M421.

Proposed New Projects

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:

- **C227.2, 4th edition**
Three-Phase, Live-Front Pad-Mounted Distribution Transformers

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. 96.1, 1st edition**
Mine Power Feeder Cables

Drafts

Please note: Public comments about the following draft standards and proposed amendments are due by April 15, 2002.

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

- **C22.2 No. 18.4, 1st edition**
Conduit and Cable Support Hardware
- **C22.2 No. 84-95, proposed amendments**
Incandescent Lamps
Proposed amendment to Clause 1.1 and Figures 2 and 4.
- **C22.2 No. 112-97, proposed amendments**
Electric Clothes Dryers
Proposed amendments to various clauses.
- **C22.2 No. 179-00, proposed amendments**
Airport Series Lighting Cables
Proposed amendments to Clauses 1.1, 6.4.1.2, and 6.6.4.2, and the proposed deletion of Clause 6.4.2.2.
- **C199, 3rd edition**
Three-Phase Network Distribution Transformers
- **C301.1, 2nd edition**
Single-Phase Submersible Distribution Transformers
- **C301.2, 2nd edition**
Three-Phase Submersible Distribution Transformers



Proposed Adoption of Standards

Note: Public comments about proposed adoptions listed in this issue are due by April 15, 2002.

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

- **IEC 60691-am1 (1995)**
Thermal-links—Requirements and Application Guide (Amendment 1)
- **IEC 60691-am2 (2000)**
Thermal-links—Requirements and Application Guide (Amendment 2)
- **IEC 60730-2-4-am2 (2001)**
Automatic Electrical Controls for Household and Similar Use—Part 2: Particular Requirements for Thermal Motor Protectors for Motor Compressors of Hermetic and Semi-hermetic Type (Amendment 2)

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

- **CISPR 16-1 (1999)**
Specification for Radio Disturbance and Immunity Measuring Apparatus and Methods—Part 1: Radio Disturbance and Immunity Measuring Apparatus
- **CISPR 16-2 (1999)**
Specification for Radio Disturbance and Immunity Measuring Apparatus and Methods—Part 2: Methods of Measurement of Disturbances and Immunity

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 60871-1 (1997)**
Shunt Capacitors for A.C. Power Systems Having a Rated Voltage Above 600V—Part 1: General Performance, Testing and Rating Safety Requirements—Guide for Installation and Operation
- **IEC 60871-2 (1999)**
Shunt Capacitors for A.C. Power Systems Having a Rated Voltage Above 600V—Part 2: Endurance Testing

Proposed Withdrawal of Standards

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

- **C22.2 No. 59.1-M1987 (R1997)**
Fuses (Both Plug and Cartridge-Enclosed Types)
- **C22.2 No. 59.2-M1986 (R1997)**
Supplemental Fuses
- **C22.2 No. 59.3-M90 (R1997)**
DC Rated Fuses

Reaffirmed Standards

CAN/CSA-C22.2 No. 71.2-M89 (R2001)
Electric Bench Tools

C22.2 No. 152-M1984 (R2001)
Combustible Gas Detection Instruments

CAN/CSA-C22.2 No. 243-96 (R2001)
Vacuum Cleaners, Blower Cleaners and Household Floor Finishing Machines

CAN/CSA-C22.2 No. 1010.1B-97 (R2001)
Amendment 2 to CAN/CSA-C22.2 No. 1010.1-92, "Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements" (Adopted Amendment 2:1995 to IEC 1010-1 (1990))



Informs Notices (Bulletins from CSA Certification and Testing)

Date	Subject	Title
December 10, 2001	Publication of CSA standard CAN/CSA-E60335-2-82-01, <i>Safety of Household and Similar Electrical Appliances—Part 2-82: Particular Requirements for Service Machines and Amusement Machines.</i>	Audio and Video Equipment No. 14
December 21, 2001	Publication of tri-national standards for fuses, CSA C22.2 No. 248 Series. (Supplements Informs "Fuses No. 6A.")	Fuses No. 6B
December 31, 2001	Withdrawal of Technical Information Letter (TIL) No. A-27, covering interim certification requirements for metal cable tray systems.	Cable Tray Systems No. 5

Certification Notices

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

Effective Date	Subject	Title
March 1, 2002	Interim certification requirements for flexible light cable systems.	Lighting Products No. 37
▶ April 16, 2002	Amendment to the second edition of UL 1786, <i>Nightlights</i> .	Lighting Products No. 38
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
Wire-Positioning Devices	C22.2 No. 18.5	ns	4
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
Wire Connectors	C22.2 No. 65	ne	3
Thermoplastic-Insulated Wires and Cables (Tri-national standard)	C22.2 No. 75	ne	4
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	3
Non-metallic Cable Tray Systems	C22.2 No. 126.2	ns	3
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	4
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			
Adhesive Labels	C22.2 No. 0.15	ne	5
Enclosed Switches	C22.2 No. 4	ne	3
Moulded Circuit Breakers	C22.2 No. 5	ne	4
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	4
Battery Chargers	C22.2 No. 107.2	ne	4
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
Switchboards	C22.2 No. 244	ns	1
Neon and Cold Cathode Supplies	C22.2 No. 255	ns	2
Electrical Apparatus for Explosive Gas Atmospheres—			
— Part 0: General Requirements	E60079-0	ne	5
— Part 1: Construction and Verification Test of Flameproof Enclosures of Electrical Apparatus	E60079-1	ne	5
— Part 2: Electrical Apparatus–Type of Protection "P"	E60079-2	ne	5
— Part 5: Powder Filling "Q"	E60079-5	ne	5
— Part 6: Oil Immersion "O"	E60079-6	ne	5
— Part 11: Intrinsic Safety "I"	E60079-11	ne	5



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
Industrial Products (cont'd)			
Electrical Apparatus for Explosive Gas Atmospheres— — Part 14: Electrical Installations in Explosive Gas Atmospheres (Other Than Mines)	E60079-14	ne	5
— Part 15: Electrical Apparatus with Type of Protection "N"	E60079-15	ne	5
Arc Welding Equipment—Part 7: Torches	E60974-7	ns	5
Electrical Apparatus for Use in the Presence of Combustible Dust— Part 1: Electrical Apparatus Protected by Enclosures—Section 1: Specifications for Apparatus	E61241-1-1	ne	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
Unit Equipment for Emergency Lighting	C22.2 No. 141	ne	3
Central System for Unit Equipment for Emergency Lighting	C22.2 No. 141.1	ns	2
Electrostatic Air Cleaners	C22.2 No. 187	ne	2
Radiant Space Heating Panels, Panel Sets, and Systems	C22.2 No. 217	ne	H
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	2
Luminaires—Part 1: General Requirements and Tests	E60598-1	ne	5
Luminaires—Part 2: Particular Requirements—Section 5: Floodlights	E60598-2-5	ne	5
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	5
— Part 2: Temperature Sensing Controls	E60730-2-9	ne	5
CE Code, Part III – Outside Wiring			
Overhead Systems	C22.3 No. 1	ne	5
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
Three-Phase Network Transformers	C199	ne	3
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



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
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	3
Electromagnetic Compatibility (EMC)–Part 4: Testing and Measurement Techniques–Section 9: Pulse Magnetic Field Immunity Test–Basic EMC Publication	61000-4-9	ns	3
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	3
Electromagnetic Compatibility (EMC)–Part 4-17: Testing and Measurement Techniques–Ripple on D.C. Input Power Port Immunity Test	61000-4-17	ns	3
Information Technology Equipment–Radio Disturbance Characteristics–Limits and Methods of Measurement	CISPR 22	ne	3



New Standards & Editions

PLUS 1162, 1st edition

ISO 14001 and Compliance in Canada \$50

This special publication addresses the current confusion about the relationship between the ISO 14000 series of voluntary environmental management standards and regulatory compliance. Many of those involved in the development of the standards have argued that there is, and should be, no relationship between the two. However, in the Canadian legal system, such a relationship is inevitable, and likely to strengthen with time. Early signs of this process are already apparent.

To explain why, PLUS 1162 reviews the nature of Canadian environmental regulation and the judicial defence of due diligence. Application of this flexible concept to the thousands of wildly differing regulatory offences has forced criminal judges and administrative tribunals to look for benchmarks of acceptable behaviour, as civil courts do in claims of negligence. The more authoritative and widely accepted the benchmark, the greater its influence on the standard of care, and the more essential it becomes to due diligence.

Sometimes the establishment of benchmarks is deliberate, such as when the Council of Canadian Ministers of the Environment (CCME) develops emission limits or ambient criteria with the intention that they should ultimately be incorporated into legislation. However, this is not always so; as in the case of ISO 14000, instruments developed for one purpose, such as trade or education, frequently end up as legal benchmarks.

New benchmarks follow a predictable path from "ideal" to "norm" as the standard of care rises. Both judges and regulators adopt benchmarks as guides for their discretion and as tools in evaluating the behaviour of others. Some successful benchmarks are incorporated by reference into legislation (statutes or regulations). The requirements of ISO 14001 and the ISO 14000 series of standards are currently undergoing these processes of legal ratification, to the mutual benefit of government, business, and civil society.

Nouvelles parutions en français

PLUS 1163

Chaîne de suivi des produits forestiers provenant d'un territoire forestier délimité enregistré selon la norme CAN/CSA-Z809 35 \$

La chaîne de suivi est un processus qui permet de suivre les produits forestiers de leur lieu d'origine, c'est-à-dire un territoire forestier délimité, en passant par toutes les étapes du processus de transformation, jusqu'au moment où les produits sont mis à la disposition des consommateurs. Ce document précise les exigences de la chaîne de suivi en ce qui a trait aux produits forestiers provenant d'un territoire délimité enregistré selon la norme CSA Z809.

Drafts

Please note: Public comments about draft standards and proposed amendments listed in this issue are due by April 15, 2002.

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

- **Z107.58, 1st edition**
Noise Emissions Declaration for Machinery

Reaffirmed Standards

CAN3-Z107.54-M85 (R2001)

Procedure for Measurement of Sound and Vibration Due to Blasting Operations

CAN/CSA-Z107.55-M86 (R2001)

Recommended Practice for the Prediction of Sound Levels Received at a Distance From an Industrial Plant



Reaffirmed Standards (cont'd)

CSA has reaffirmed its endorsement of the following endorsed ISO standards:

- **ISO 4872:1978**
Acoustics—Measurement of Airborne Noise Emitted by Construction Equipment Intended for Outdoor Use—Method for Determining Compliance with Noise Limits
- **ISO 6395:1988**
Acoustics—Measurement of Exterior Noise Emitted by Earth-Moving Machinery—Dynamic Test Conditions

Proposed Reaffirmation of Standards

For more information about the proposed reaffirmation of the following standard, contact Kevin Mackenzie at 416-747-2496 or kevin.mackenzie@csa.ca:

- **Z763-96**
Introduction to Environmental Risk Assessment Studies

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
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
Procedures for the Measurement of Occupational Noise Exposure	Z107.56	ne	2
Monitoring Noise Around Industrial Complexes	Z107.57	ns	1
Noise Emission Declarations	Z107.58	ns	3
Environmental Management Systems			
The SFM Essentials	PLUS 1136	spec	1
Environmental Site Assessment	ISO 14015	ns	5
Environmental Management—Life Cycle Assessment— —Examples for the Application of ISO 14042	ISO 14047	ns	2
—Data Documentation Format	ISO 14048	ns	2
Definition of Household Hazardous Waste (HHW)	Z752	ns	2
Phase I Environmental Site Assessment	Z768	ne	5
Guideline for Environmental Assessment	Z770	ns	H
Environmental Compliance Auditing	Z773	ns	2
Sustainable Forest Management Requirements	Z809	ne	2



The following is an addition to the Draft section for Environmental Management Systems.

Drafts

Please note: Public comments about this draft standard are due by May 2, 2002.

To receive copies of the following draft standard, or to offer comments, contact Katie Altoft at 416-747-4080 or katie.altoft@csa.ca.

CAN/CSA - Z809-2002, 2nd Edition
Sustainable Forest Management: Requirements and Guidance Document

This Standard describes the requirements for Sustainable Forest Management on a Defined Forest Area, including the nature of the commitment, the requirements for public participation, the performance requirements, the management framework, a review of actions, and continual improvement. It also lists the specific points that must be addressed, audited, and approved in order for certification to be recommended.



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-7816-3-01, 1st edition**
Information Technology—Identification Cards—Integrated Circuit(s) Cards with Contacts—Part 3: Electronic Signals and Transmission Protocols (Adopted ISO/IEC 7816-3:1997) \$90
- CAN/CSA-ISO/IEC-7826-1-01, 1st edition**
Information Technology—General Structure for the Interchange of Code Values—Part 1: Identification of Coding Schemes (Adopted ISO/IEC 7826-1:1994, first edition) \$30
- CAN/CSA-ISO/IEC-7826-2-01, 1st edition**
Information Technology—General Structure for the Interchange of Code Values—Part 2: Registration of Coding Schemes (Adopted ISO/IEC 7826-2:1994, first edition) \$35
- CAN/CSA-ISO/IEC-8473-1-01, 2nd edition**
Information Technology—Protocol for Providing the Connectionless-Mode Network Service: Protocol Specification (Adopted ISO/IEC 8473-1:1998, second edition) \$120
- CAN/CSA-ISO/IEC-8473-5-01, 1st edition**
Information Technology—Protocol for Providing the Connectionless-mode Network Service: Provision of the Underlying Service by ISDN Circuit-switched B-channels (Adopted ISO/IEC 8473-5:1997, first edition) \$50
- CAN/CSA-ISO/IEC-8613-14-01, 1st edition**
Information Technology—Open Document Architecture (ODA) and Interchange Format: Temporal Relationships and Non-linear Structures (Adopted ISO/IEC 8613-14:1997, first edition) . \$120

New Standards & Editions (cont'd)

- CAN/CSA-ISO/IEC-8650-1-01, 1st edition**
Information Technology—Open Systems Interconnection—Connection-oriented Protocol for the Association Control Service Element: Protocol Specification (Adopted ISO/IEC 8650-1:1996, second edition) \$105
- CAN/CSA-ISO/IEC-8650-1A-01**
Amendment 1 to CAN/CSA-ISO/IEC 8650-1-01: "Incorporation of Extensibility Markers" (Adopted Amendment 1:1997 to ISO/IEC 8650-1:1996) . . \$10
- CAN/CSA-ISO/IEC-8650-1B-01**
Amendment 2 to CAN/CSA-ISO/IEC 8650-1-01 "Fast-associate Mechanism" (Adopted Amendment 2:1998 to ISO/IEC 8650-1:1996) \$10
- CAN/CSA-ISO/IEC-10646-1-01, 1st edition**
Information Technology—Universal Multiple-Octet Coded Character Set (UCS)—Part 1: Architecture and Basic Multilingual Plane (Adopted ISO/IEC 10646-1:2000, second edition) \$70
- CAN/CSA-ISO/IEC-14608-1-01, 1st edition**
Information Technology—Open Systems Interconnection—The Directory: Directory Access Protocol—Protocol Implementation Conformance Statement (PICS) Proforma (Adopted ISO/IEC 14608-1:1997, first edition) \$80
- CAN/CSA-ISO/IEC 14662-01, 1st edition**
Information Technology—Open-EDI Reference Model (Adopted ISO/IEC 14662:1997, first edition) \$100
- CAN/CSA-ISO/IEC-14766-01, 1st edition**
Information Technology—Telecommunications and Information Exchange Between Systems—Use of OSI Applications Over the Internet Transmission Control Protocol (TCP) (Adopted ISO/IEC 14766:1997, first edition) . . . \$30



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-7816-3-01, 1^{re} édition**
Technologies de l'information—Cartes d'identification—Cartes à circuit(s) intégré(s) à contacts—Partie 3 : Signaux électroniques et protocoles de transmission (ISO/CEI 7816-3:1997 adoptée) 90 \$
- CAN/CSA-ISO/CEI-7826-2-01, 1^{re} édition**
Technologies de l'information—Structure générale pour l'échange de valeurs de code—Partie 2 : Enregistrement des systèmes de codification (ISO/CEI 7826-2:1994, première édition, adoptée) 35 \$
- CAN/CSA-ISO/CEI-8473-1-01, 2^e édition**
Technologies de l'information—Protocole assurant le service réseau en mode sans connexion : Spécification du protocole (ISO/CEI 8473-1:1998, deuxième édition, adoptée) 120 \$
- CAN/CSA-ISO/CEI-8473-5-01, 1^{re} édition**
Technologies de l'information—Protocole du service réseau en mode sans connexion : Fourniture du service sous-jacent sur des canaux B à commutation de circuits du RNIS (ISO/CEI 8473-5:1997, première édition, adoptée) 50 \$
- CAN/CSA-ISO/CEI-8613-14-01, 1^{re} édition**
Technologies de l'information—Architecture de document ouverte (ODA) et format de transfert : Relations temporelles et structures non linéaires (ISO/CEI 8613-14:1997, première édition, adoptée) 120 \$
- CAN/CSA-ISO/CEI-8650-1B-01**
Technologies de l'information—l'interconnexion de systèmes ouverts (OSI)—Protocole en mode connexion applicable à l'élément de service de contrôle d'association : Spécification du protocole. Amendement 2 : «Mécanisme d'association rapide» (ISO/CEI 8650-1:1996, adoptée) 10 \$

Nouvelles parutions (suite)

- CAN/CSA-ISO/CEI 10035-2-01, 1^{re} édition**
Technologies de l'information—Interconnexion de systèmes ouverts (OSI)—Protocole en mode sans connexion de l'élément de service de contrôle d'association : Formulaire de déclaration de conformité d'une instance de protocole (PICS) (norme ISO/CEI 10035-2:1995 adoptée, première édition, 1995-12-15 sans modifications) 60 \$
- CAN/CSA-ISO/CEI 10164-16-01, 1^{re} édition**
Technologies de l'information—Interconnexion de systèmes ouverts (OSI)—Gestion-systèmes : Fonction de gestion de la connaissance de gestion (norme ISO/CEI 10164-16:1997 adoptée, sans modifications, première édition, 1997-05-15) . 160 \$
- CAN/CSA-ISO/CEI 10164-16A-01**
Modification 1:2001 à la norme CAN/CSA-ISO/CEI 10164-16-01 : « Extension relative au modèle relationnel général » (norme ISO/CEI 10164-16:1997, Modification 1:1998 adoptée, sans modifications) 10 \$
- CAN/CSA-ISO/CEI 10165-6-01, 1^{re} édition**
Technologies de l'information— Interconnexion de systèmes ouverts (OSI)—Structure de l'information de gestion : Spécifications et directives pour l'établissement des formulaires de déclaration de conformité d'implémentations associés à la gestion OSI (norme CAN/CSA-ISO/CEI 10165-6:1997 adoptée, deuxième édition, 1997-08-01) 120 \$
- CAN/CSA-ISO/CEI-10646-1-01, 1^{re} édition**
Technologies de l'information—Jeu universel de caractères codés sur plusieurs octets (JUC)—Partie 1 : Architecture et plan multilingue de base (ISO/CEI 10646-1:2000, deuxième édition, adoptée) 70 \$
- CAN/CSA-ISO/CEI 10746-4-01, 1^{re} édition**
Technologies de l'information—Traitement réparti ouvert—Modèle de référence : Sémantique architecturale (norme ISO/CEI 10746-4:1998 adoptée, sans modifications, première édition, 1998-12-15) . . 90 \$
- CAN/CSA-ISO/CEI 11586-6-01, 1^{re} édition**
Technologies de l'information—Interconnexion de systèmes ouverts (OSI)—Sécurité générique des couches supérieures : Formulaire de déclaration de conformité d'instance de protocole (PICS) de la syntaxe de protection du transfert (norme ISO/CEI 11586-6:1997 adoptée, première édition, 1997-04-01) 45 \$



Nouvelles parutions (suite)

CAN/CSA-ISO/CEI 11587-01, 1^{re} édition
Technologies de l'information—Interconnexion de systèmes ouverts (OSI)—Contexte d'application pour la gestion-systèmes avec traitement transactionnel
 (norme ISO/CEI 11587:1996 adoptée, sans modifications, première édition, 1996-07-15) . . . 50 \$

CAN/CSA-ISO/CEI 14662-01, 1^{re} édition
Technologies de l'information—Modèle de référence EDI-ouvert (ISO/CEI 14662:1997, première édition, adoptée) 100 \$

Reaffirmed Standards

CAN/CSA-T515-97 (R2001)
Telecommunications—Telephone Terminal Equipment—Acoustic and Magnetic Field Requirements for Handset Telephones for Use by the Hard of Hearing

CAN/CSA-T528-93 (R2001)
Design Guidelines for Administration of Telecommunication Infrastructure in Commercial Buildings

CAN/CSA-T531-M91 (R2001)
Performance and Compatibility Requirements for Telephone Sets with Loop Signalling

CAN/CSA-Z243.200-92 (R2001)
Canadian Keyboard Standard for English and French Languages

Proposed Adoption of Standards

Please note: Public comments about proposed adoptions listed in this issue are due by April 15, 2002.

For more information about the proposed adoption of the following standards, or to offer comments, contact Tom Bartoff at 416-747-2636 or tom.bartoff@csa.ca:

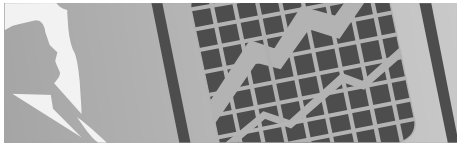
- **ISO/IEC 13818-6, Amendment 1**
Information Technology—Generic Coding of Moving Pictures and Associated Audio Information—Part 6: Extensions for DSM-CC.
Amendment 1: "Additions to Support Data Broadcasting"
- **ISO/IEC 13818-6, Amendment 2**
Information Technology—Generic Coding of Moving Pictures and Associated Audio Information—Part 6: Extensions for DSM-CC.
Amendment 2: "Additions to Support Synchronized Download Services, Opportunistic Data Services and Resource Announcement in Broadcast and Interactive Services"

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



Reaffirmed Standards

- CAN3-B78.1-M83 (R2002)
Technical Drawings—General Principles
- CAN/CSA-B78.2-M91 (R2002)
Dimensioning and Tolerancing of Technical Drawings
- CAN3-B78.3-M77 (R2002)
Building Drawings
- B78.5-93 (R2002)
Computer-aided Design Drafting (Buildings)
- B95-1962 (R2002)
Surface Texture (Roughness, Waviness, and Lay)
- B97.1-1970 (R2002)
Standard Tolerances for Linear Dimensions
- B97.2-1970 (R2002)
Interpretations of Limits and Tolerances
- B97.3-M1982 (R2002)
Tolerances and Standard Fits for Mating Parts, Metric Sizes
- B97.3-1970 (R2002)
Standard Fits for Mating Parts, Inch Sizes
- CAN3-B232-75 (R2002)
Keys, Keyseats and Keyways
- CAN/CSA-ISO 8402-94 (R2001)
Quality Management and Quality Assurance Vocabulary
- CAN/CSA-ISO 9000-1-94 (R2001)
Quality Management and Quality Assurance Standards—Part 1: Guidelines for Selection and Use
- CAN/CSA-ISO 9000-4-96 (R2001)
Quality Management and Quality Assurance Standards—Part 4: Guide to Dependability Programme Management
- CAN/CSA-ISO 9002-94 (R2001)
Quality Systems—Model for Quality Assurance in Production, Installation and Servicing
- CAN/CSA-ISO 9003-94 (R2001)
Quality Systems—Quality Assurance in Final Inspection and Test
- CAN/CSA-ISO 9004-2-94 (R2001)
Quality Management and Quality System Elements—Part 2: Guidelines for Services
- CAN/CSA-ISO 9004-3-94 (R2001)
Quality Management and Quality System Elements—Part 3: Guidelines for Processed Materials

Reaffirmed Standards (cont'd)

- CAN/CSA-ISO 9004-4-94 (R2001)
Quality Management and Quality System Elements—Part 4: Guidelines for Quality Improvement
- CAN/CSA-ISO 10005-96 (R2001)
Quality Management—Guidelines for Quality Plans
- CAN/CSA-ISO 10007-95 (R2001)
Quality Management—Guidelines for Configuration Management
- CAN/CSA-ISO 10011-1-94 (R2001)
Guidelines for Auditing Quality Systems—Part 1: Auditing
- CAN/CSA-ISO 10011-2-94 (R2001)
Guidelines for Auditing Quality Systems—Part 2: Qualification Criteria for Quality Systems Auditors
- CAN/CSA-ISO 10011-3-94 (R2001)
Guidelines for Auditing Quality Systems—Part 3: Management of Audit Programmes
- Q635-95 (R2001)
Guide to Life Cycle Costing
- Q636-93 (R2001)
Guidelines and Requirements for Reliability Analysis Methods
- CAN/CSA-Q706.4-96 (R2001)
Guide on Maintainability of Equipment—Part 4: Section 8—Maintenance and Maintenance Support Planning

Proposed Reaffirmation of Standards

For more information about the proposed reaffirmation of the following standards, contact Kevin Mackenzie at 416-747-2496 or kevin.mackenzie@csa.ca:

- CAN/CSA-CEI/IEC 300-2-97
Dependability Management—Part 2: Dependability Programme Elements and Tasks
- Q631-97
Reliability, Availability, and Maintainability Definitions



Status of CSA Standards Projects

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

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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
Guideline for Developing Quality Manuals	ISO 10013	ns	4
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



Construction Products and Materials

New Standards & Editions

B125-01, 9th edition
Plumbing Fittings \$90

This standard applies to plumbing supply fittings of NPS-1 nominal size and smaller, plumbing waste fittings of NPS-2 nominal size and smaller, and master thermostatic water-mixing valves of nominal size NPS-4 and smaller.

These devices include, but are not limited to, the following:

- bath and/or shower supply fittings
- bidet supply fittings
- clothes washer supply fittings
- drinking fountain supply fittings
- laundry tub supply fittings
- lavatory supply fittings
- sink supply fittings
- water closet tank supply fittings
- automatic compensating supply valves (domestic)
- pressurized flushing devices (for example, flushometer valves, flushometer tanks)
- humidifier supply stops
- sediment and lawn faucets
- supply line stops
- trap primers
- thermal expansion relief valves
- bath and shower waste fittings
- continuous waste fittings
- drinking fountain waste fittings
- laundry tub waste fittings
- lavatory waste fittings
- sink waste fittings
- antisiphon fill valves
- master thermostatic water-mixing valves.

New Standards & Editions (cont'd)

B125 provides requirements for traps intended for use in accessible locations only.

It does not apply to conventional pipes and tubes or pipe and tube fittings that are covered by other standards.

Reaffirmed Standards

O118.2-1981 (R2002)
Eastern White Cedar Shingles (Imperial version)

CAN3-S157-M83 (R2001)
Strength Design in Aluminum

W59-M1989 (R2001)
Welded Steel Construction (Metal Arc Welding) (Metric version)

W59-1989 (R2001)
Welded Steel Construction (Metal Arc Welding) (Imperial version)

Proposed Reaffirmation of Standards

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

- **O118.2-M1981**
Eastern White Cedar Shingles (Metric version)

Informs Notices (Bulletins from CSA Certification and Testing)

Date	Subject	Title
December 10, 2001	Publication of Technical Information Letter (TIL) No. MSE-39, covering interim certification requirements for fittings using threads formed on PE pipe OD.	Plumbing Products No. 139
December 28, 2001	Publication of Technical Information Letter (TIL) No. RV-02, covering an amendment to the requirement on carbon monoxide detectors in CSA's Z240 RV Series-99, <i>Recreational Vehicles</i> .	Recreational Vehicles No. 24



Status of CSA Standards Projects

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

STATUS: 1 The project is under initial evaluation.

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SUBJECT	NUMBER	TYPE	STATUS
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
Entry Door Systems	A440.6	ns	1
Certification of Manufacturers of Steel Building Systems	A660	ne	1
Site Preparation, Foundations, and Anchorage of Mobile Homes	Z240.10.1	ne	1
Park Model Trailers	Z241 Series	ne	2
Log Homes and Buildings	Z824	ns	1
Masonry			
Concrete Masonry Units	A165 Series	ne	2
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	1
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	2
Certification of Companies for Fusion Welding of Steel Structures	W47.1	ne	3
Welded Steel Construction (Metal Arc Welding)	W59	ne	3
Certification of Welding Inspection Organizations	W178.1	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
CSA Standards for Wood Adhesives	O112	ne	H
Eastern White Cedar Shingles	O118.2	ne	H
Procedure for Certification of Pressure-Treated Wood Materials for Use in Preserved Wood Foundations	O322	ne	3
Plumbing Products and Materials			
Cast Iron Soil Pipe, Fittings, and Means of Joining	B70	ne	5
Thermoplastic Pressure Piping Compendium	B137 Series	ne	5
Plastic Nonpressure Pipe Compendium	B1800 Series	ne	5
Structures (Design)			
Design of Concrete Structures	A23.3	ne	1
Design of Steel Structures	S16	ne	4
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
Guideline for Seismic Risk Reduction of Operational and Functional Components (OFC) of Buildings	S832	ns	5

Reaffirmed Standards

B346-M1980 (R2002)

Power-operated Dispensing Devices for Flammable Liquids

Status of CSA Standards Projects

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

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

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SUBJECT	NUMBER	TYPE	STATUS
Performance, Energy Efficiency, and Renewables			
Performance Standard for Dusk-to-Dawn Luminaires	C239	ne	5
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	1
Design and Installation of Earth Energy Systems (Note: This formerly appeared as C445.)	C448 Series	ns	5
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	2
Energy Efficiency for Single- and Three-phase Small Motors	C747	ne	H
Maximum Losses for Power Transformers	C802.3	ns	5
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
Fire Safety and Fuel Burning Equipment			
Installation Code for Oil Burning Equipment	B139	ne	2
General Requirements for Oil Burning Equipment	B140.0	ne	4
Oil Fired Furnaces	B140.4	ne	1
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



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
Fire Safety and Fuel Burning Equipment (cont'd)			
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	4
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	4
Coiled Aluminum Line Pipe and Accessories	Z245.6	ne	5
External Fusion Bond Epoxy Coating for Steel Pipe	Z245.20	ne	4
External Polyethylene Coating for Pipe	Z245.21	ne	4
Liquefied Natural Gas (LNG)–Production, Storage, and Handling	Z276	ne	5
Storage of Hydrocarbons in Underground Formations	Z341	ne	3
Storage of Hydrocarbons in Underground Formations–Reservoirs	Z341.1	ns	3
Storage of Hydrocarbons in Underground Formations–Salt Caverns	Z341.2	ns	3
Storage of Hydrocarbons in Underground Formations–Mined Caverns	Z341.3	ns	3
Oil and Gas Pipeline Systems	Z662	ne	2