



INFO UPDATE

Volume 5 August 2002

Issue date: August 8, 2002

Deadline for comments: October 7, 2002

Sustaining Member attendance at CSA's annual conference

We would like to thank the many members who recently attended CSA's annual conference in Victoria, B.C. Once again, Sustaining Members were well represented – by more than 80 delegates representing 75 companies from North America and the Far East.

All Sustaining Members help support standard-development activities through their meaningful annual contributions. A full listing of our Sustaining Members is posted on our Web site at www.csa.ca – under Membership.

Committee Information Subscriptions

Since we understand the importance of keeping informed about the most current development activities, we would like to notify you about our **Committee Information Subscriptions**. These subscriptions allow stakeholders who are unable to actively participate as Committee Members to receive information about what is happening on a particular standards committee. Committee Information Subscribers are privy to the ideas and recommendations of some of the brightest and best-informed minds in a given sector. This type of advance knowledge can give a business a competitive edge.

CSA currently offers Committee Information Subscriptions in the following program areas:

- Public Safety
- Occupational Health and Safety
- Information Technology
- Health Care Technology
- Oil and Gas Industry Systems and Materials
- Offshore Structures
- Plumbing Products and Materials
- Structures
- Nuclear standards
- Energy Conservation in Housing
- Renewable Energy
- Environmental Technology and Quality Management.

If you are not already a Sustaining Member or Committee Information Subscriber, contact Member Services at 416-747-4316 or e-mail member@csa.ca for additional information.

Présence des membres de soutien à la conférence annuelle de la CSA

Nous tenons à remercier les membres de soutien qui ont assisté à la conférence annuelle de la CSA qui s'est tenue en juin dernier à Victoria en Colombie-Britannique. Les membres de soutien ont été encore une fois très bien représentés - en effet, plus de 80 délégués provenant de 75 entreprises de partout en Amérique du Nord et de l'Extrême-Orient ont participé à l'événement.

Tous les membres de soutien contribuent aux activités d'élaboration des normes par le truchement de leur cotisation annuelle. Une liste complète des membres de soutien est affichée sur notre site Web au www.csa.ca sous la rubrique Membres.

Bulletins du service Info-Comités

Nous savons qu'il est important pour vous d'être informé des activités d'élaboration et c'est dans cette optique que nous aimerions vous faire connaître nos **Bulletins du service Info-Comités**.

Ces **bulletins** conviennent tout particulièrement aux personnes qui ne peuvent prendre une part active aux travaux des comités mais qui désirent se tenir au courant des activités d'un comité de normalisation particulier. En vous abonnant aux bulletins du service Info-comités, vous aurez le privilège de découvrir les idées et les recommandations des acteurs les plus en vue et les mieux informés de votre sphère d'activités. Un tel privilège peut d'ailleurs accroître l'avantage concurrentiel de votre entreprise. Actuellement, le service Info-comités de CSA publie des bulletins ayant trait aux programmes de normalisation suivants :

- Sécurité publique
- Santé et sécurité au travail
- Technologie de l'information
- Technologie des soins médicaux
- Réseaux et matériaux destinés aux industries gazière et pétrolière
- Structures offshore
- Produits et matériaux de plomberie
- Structures
- Énergie nucléaire
- Économie d'énergie dans les habitations
- Énergies renouvelables
- Gestion de la qualité et techniques de l'environnement.

Si vous n'êtes pas déjà un membre de soutien ou abonné aux bulletins du service Info-comités et désirez plus de renseignements, veuillez communiquer avec le Service aux membres au (416) 747-4316 ou par courriel au member@csa.ca.

Reaffirmed Standards

- **CAN/CSA-ISO/IEC 2382-9-96 (R2002)**
Information Technology—Vocabulary—Part 9: Data Communication (Adopted ISO/IEC 2382-9:1995)
- **CAN/CSA-ISO/IEC 2382-24-96 (R2002)**
Information Technology—Vocabulary—Part 24: Computer-Integrated Manufacturing (Adopted ISO/IEC 2382-24:1995)
- **CAN/CSA-ISO/IEC 2382-28-96 (R2002)**
Information Technology—Vocabulary—Part 28: Artificial Intelligence—Basic Concepts and Expert Systems (Adopted ISO/IEC 2382-28:1995)
- **CAN/CSA-ISO/IEC 8473-4-98 (R2002)**
Information Technology—Protocol for Providing the Connectionless-Mode Network Service: Provision of the Underlying Service by a Subnetwork That Provides the OSI Data Link Service (Adopted ISO/IEC 8473-4:1995)
- **CAN/CSA-ISO/IEC 9646-7-98 (R2002)**
Information Technology—Open Systems Interconnection—Conformance Testing Methodology and Framework—Part 7: Implementation Conformance Statements (Adopted ISO/IEC 9646-7:1995)
- **CAN/CSA-ISO/IEC 10021-1A-94 (R2002)**
Amendment 1, "Message Store Extensions," to CAN/CSA-ISO/IEC 10021-1-94, Information Technology—Text Communication—Message-Oriented Text Interchange Systems (MOTIS)—Part 1: System and Service Overview (Adopted Amendment 1:1994 to ISO/IEC 10021-1:1990)
- **CAN/CSA-ISO/IEC 10021-2A-95 (R2002)**
Amendment 1, "Representation of O/R Addresses for Human Exchange," to CAN/CSA-ISO/IEC 10021-2-94, Information Technology—Text Communication—Message-Oriented Text Interchange Systems (MOTIS)—Part 2: Overall Architecture (Adopted Amendment 1:1994 to ISO/IEC 10021-2:1990)
- **CAN/CSA-ISO/IEC 10021-6A-94 (R2002)**
Amendment 1:1996, "Message Store Extensions," to CAN/CSA-ISO/IEC 10021-6-94, Information Technology—Text Communication—Message-Oriented Text Interchange Systems (MOTIS)—Part 6: Protocol Specifications (Adopted Amendment 1:1994 to ISO/IEC 10021-6:1990)
- **CAN/CSA-ISO/IEC 10164-4A-97 (R2002)**
Amendment 1:1997, "Implementation Conformance Statement Proformas," to CAN/CSA-ISO/IEC 10164-4-95, Information Technology—Open Systems Interconnection—Systems Management: Alarm Reporting Function (Adopted Amendment 1:1995 to ISO/IEC 10164-4:1992)
- **CAN/CSA-ISO/IEC 10164-5A-97 (R2002)**
Amendment 1:1997, "Implementation Conformance Statement Proformas," to CAN/CSA-ISO/IEC 10164-5-95, Information Technology—Open Systems Interconnection—Systems Management: Event Report Management Function (Adopted Amendment 1:1995 to ISO/IEC 10164-5:1993)
- **CAN/CSA-ISO/IEC 10164-13-98 (R2002)**
Information Technology—Open Systems Interconnection—Systems Management: Summarization Function (Adopted ISO/IEC 10164-13:1995)
- **CAN/CSA-ISO/IEC 10168-4-98 (R2002)**
Information Technology—Open Systems Interconnection—Conformance Test Suite for the Session Protocol—Part 4: Test Management Protocol Specification (Adopted ISO/IEC 10168-4:1995)
- **CAN/CSA-ISO/IEC 10536-2-98 (R2002)**
Identification Cards—Contactless Integrated Circuit(s) Cards—Part 2: Dimensions and Location of Coupling Areas (Adopted ISO/IEC 10536-2:1995)
- **CAN/CSA-ISO/IEC 10607-1-98 (R2002)**
Information Technology—International Standardized Profiles AFT_{nm}—File Transfer, Access and Management—Part 1: Specification of ACSE, Presentation and Session Protocols for Use by FTAM (Adopted ISO/IEC 10607-1:1995)
- **CAN/CSA-ISO/IEC 10607-2-98 (R2002)**
— *Part 2: Definition of Document Types, Constraint Sets and Syntaxes* (Adopted ISO/IEC 10607-2:1995, second edition)
- **CAN/CSA-ISO/IEC 10607-3-98 (R2002)**
— *Part 3: AFT11—Simple File Transfer Service (Unstructured)* (Adopted ISO/IEC 10607-3:1995)
- **CAN/CSA-ISO/IEC 10607-4-98 (R2002)**
— *Part 4: AFT12—Positional File Transfer Service (Flat)* (Adopted ISO/IEC 10607-4:1995)
- **CAN/CSA-ISO/IEC 10607-5-98 (R2002)**
— *Part 5: AFT22—Positional File Access Service (Flat)* (Adopted ISO/IEC 10607-5:1995)



Reaffirmed Standards (cont'd)

- **CAN/CSA-ISO/IEC 10607-6-98 (R2002)**
Information Technology–International Standardized Profiles AFTnn–File Transfer, Access and Management–Part 6: AFT3–File Management Service (Adopted ISO/IEC 10607-6:1995)
- **CAN/CSA-ISO/IEC 10742A-97 (R2002)**
Amendment 1:1997, "Addition of DCE Conditions and New Attributes," to CAN/CSA-ISO/IEC 10742-94–Information Technology–Telecommunications and Information Exchange Between Systems–Elements of Management Information Related to OSI Data Link Layer Standards (Adopted Amendment 1:1995 to ISO/IEC 10742:1994)

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–Programming Languages–Fortran–Part 2: Varying Length Character Strings	ISO/IEC 1539-2	ne	3
Information Technology–Telecommunications and Information Exchange Between Systems–34-pole DTE/DCE Interface Connector Mateability Dimensions and Contact Number Assignments	ISO/IEC 2593	ne	3
Identification Cards–Machine Readable Travel Documents–Part 2: Machine Readable Visa	ISO/IEC 7501-2	ne	3
Information Technology–Open Systems Interconnection– Transport Service Definition	ISO/IEC 8072	ne	3
Information Technology–Data Communications–X.25 Packet Layer Protocol for Data Terminal Equipment	ISO/IEC 8208	ne	3
Information Technology–Open Systems Interconnection– Protocol Specification for the Association Control Service Element: Protocol Implementation Conformance Statement (PICS) Proforma	ISO/IEC 8650-2	ne	3
Information Technology–Local and Metropolitan Area Networks–Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications	ISO/IEC 8802-3	ne	3
Information Technology–Telecommunications and Information Exchange Between Systems–Local and Metropolitan Area Networks–Specific Requirements–Part 5: Token Ring Access Method and Physical Layer Specifications	ISO/IEC 8802-5	ne	3
Information Technology–Open Systems Interconnection–Distributed Transaction Processing: Protocol Implementation Conformance Statement (PICS) Proforma	ISO/IEC 8823-2	ne	3



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
Telecommunications/Information Technology (cont'd)			
Information Technology–Abstract Syntax Notation One (ASN.1)–			
– Specification of Basic Notation	ISO/IEC 8824-1	ne	3
– Constraint Specification	ISO/IEC 8824-3	ne	3
– Parameterization of ASN.1 Specifications	ISO/IEC 8824-4	ne	3
Information Technology–OSI–Virtual Terminal Basic Class Protocol– Part 1: Specification	ISO/IEC 9041-1	ns	3
Information Technology–Open Systems Interconnection–The Directory–			
– Overview of Concepts, Models and Services	ISO/IEC 9594-1	ne	3
– Models	ISO/IEC 9594-2	ne	3
– Abstract Service Definition	ISO/IEC 9594-3	ne	3
– Procedures for Distributed Operation	ISO/IEC 9594-4	ne	3
– Protocol Specifications	ISO/IEC 9594-5	ne	3
– Selected Attribute Types	ISO/IEC 9594-6	ne	3
– Selected Object Classes	ISO/IEC 9594-7	ne	3
– Authentication Framework	ISO/IEC 9594-8	ne	3
– Replication	ISO/IEC 9594-9	ne	3
Information Technology–Open Systems Interconnection– Common Management Information Protocol–Part 1: Specification	ISO/IEC 9596-1	ns	3
Information Technology–Open Systems Interconnection– Conformance Testing Methodology and Framework–Part 3: The Tree and Tabular Combined Notation (TTCN)	ISO/IEC 9646-3	ne	3
Information Technology–Security Techniques–Entity Authentication Mechanisms–			
– Part 1: General Model	ISO/IEC 9798-1	ne	3
– Part 2: Mechanisms Using Symmetric Encipherment Algorithms	ISO/IEC 9798-2	ne	3
– Part 3: Entity Authentication Using a Public Key Algorithm	ISO/IEC 9798-3	ne	3
– Part 4: Mechanisms Using a Cryptographic Check Function	ISO/IEC 9798-4	ne	3
Information Technology–Portable Operating System Interface (POSIX)– Part 1: System Application Program Interface (API) {C Language}	ISO/IEC 9945-1	ne	3
Information Technology–Message Handling Systems (MHS)–Part 8: Electronic Data Interchange Messaging Service	ISO/IEC 10021-8	ne	3
Information Technology–Message Handling Systems (MHS)–Part 9: Electronic Data Interchange Messaging System	ISO/IEC 10021-9	ne	3
Information Technology–International Standardized Profiles AMH1N– Message Handling Systems–Common Messaging–Part 5: AMH13-MS Access (P7)	ISO/IEC 10611-5	ne	3
Information Technology–Telecommunications and Information Exchange Between Systems–Specification of Elements of Management Information Related to OSI Transport Layer Standards	ISO/IEC 10737	ne	3
Information Technology–Telecommunications and Information Exchange Between Systems–Private Integrated Services Network–Specification, Functional Model and Information Flows–Path Replacement Additional Network Feature	ISO/IEC 13863	ne	3
Information Technology–Telecommunications and Information Exchange Between Systems–Private Integrated Services Network–Inter-exchange Signalling Protocol–Path Replacement Additional Network Feature	ISO/IEC 13874	ne	3
Information Technology Vocabulary	Z243.58	ne	H



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
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



Nouvelles parutions en français

B45.10-01, 1^{re} édition

Baignoires d'hydromassage 40 \$

Cette norme énonce les exigences relatives aux systèmes d'hydromassage. Des exigences supplémentaires sont données dans les normes CSA B45.0 et CSA C22.2 n° 218.2. Cette norme vise, sans toutefois s'y limiter, les produits suivants :

- a) baignoires à remous ;
- b) baignoires à bulles (air).

Cette norme ne vise pas :

- a) les cuves à remous et le matériel connexe faisant l'objet de la norme CAN/CSA-C22.2 n° 218.1 ;
- b) les produits d'hydromassage portables faisant l'objet des Bulletins électricité CSA 1268 et 1270 ;
- c) les baignoires d'hydrothérapie ou les systèmes pour les bains des malades destinés aux établissements publics.

Modifications publiées en français

G40.20-98/G40.21-98

Exigences générales relatives à l'acier de construction laminé soudé/Aciers de construction

Dans la norme G40.20/G40.21, des modifications ont été apportées à la table de matières et à la préface.

Dans la norme G40.20, des modifications ont été apportées aux articles 7.1.2.3, 7.1.2.6, 7.1.3.6, 8.3.1, 11.1, 14.1.4, et 16.2 ainsi qu'aux tableaux 8 et 9.

Dans la norme G40.21, des modifications ont été apportées aux articles 2.6, 4.7.1, 5.2 et 5.5 et aux tableaux 3 à 9A ainsi qu'au tableau 10.

O80 Série-97

Préservation du bois

Des modifications ont été apportées aux articles et aux tableaux suivants :

- O80.1-97 : Articles 4.1.2, 4.1.3, 4.1.4, tableau 3
- O80.2-97 : Article 1.1, tableau 1
- O80.3-97 : Tableau 2
- O80.4-97 : Article 2.2.1.3 (L'article 2.2.1.4 a aussi été abrogé.)
- O80.6-97 : Articles 6.1.2, 6.1.3
- O80.18-97 : Tableau 1
- O80.32-97 : Article 1.1, tableau 1
- O80.203-97 : Article 4.2.1

Une modification publiée séparément traite des modifications apportées à l'article 1.1 et au tableau 1 de la norme O80.34-97.

Drafts

Please note: Public comments about draft standards and proposed amendments listed in this issue are due by October 7, 2002.

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

- **B70.1, 1st edition**
Maintenance Hole Frames and Covers, Catchbasin Frames and Covers
- **B481.1, 1st edition**
Grease Interceptors

The following draft standard is available *online* for public review. To download copies, visit www.csa.ca and choose your language preference. Under "Quick Links", select *Info Update*, then select "Public Review" from the top navigation bar, and then scroll down to the drafts available for public review. Choose W47.1.

To offer comments on this draft, contact Cecilia Vega at 416-747-4009 or cecilia.vega@csa.ca:

- **W47.1, 6th edition**
Certification of Companies for Fusion Welding of Steel Structures

Reaffirmed Standards

O118.1-97 (R2002)

Western Cedar Shakes and Shingles



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
Energy Performance of Windows and Other Fenestration Systems	A440.2	ne	1
User Guide to A440.2	A440.3	spec	1
Windows and Door Installation	A440.4	ne	1
Entry Door Systems	A440.6	ns	2
Park Model Trailers	Z241 Series	ne	3
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	2
Foundations	S472	ne	2
Steel Structures	S473	ne	2
Concrete Structures	S474	ne	2
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	2
Plant Certification for Manufacturers of Concrete Roof Tiles	A220.0/.1/.2	ne	1
Standards for Concrete Pipe	A257	ne	2
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	3
Certification of Companies for Fusion Welding of Steel Structures	W47.1	ne	3
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	H
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	5
Plumbing Products and Materials			
Plumbing Fixtures	B45 Series	ne	5
Maintenance Hole Frames and Covers, Catchbasin Frames and Covers	B70.1	ns	3
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	2
Cold-Formed Steel Structural Members	S136	ne	4
Strength Design in Aluminum	S157	ne	3
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	2



New Standards & Editions

C22.2 No. 18.5-02, 1st edition

Positioning Devices (Bi-national standard, with UL 1565) \$155

This standard applies to metallic and nonmetallic devices used for positioning (which may include bundling and securing) or to a limited extent supporting cable, wire, conduit, or tubing of a wiring system in electrical installations, to reduce the risk of fire, electric shock, or injury to persons. This standard applies to (but is not limited to) cable ties, cable tie mounting blocks, cable clamps, cable and conduit clips, and non-raceway ducts.

C22.2 No. 182.1-02, 2nd edition

Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type (Bi-national standard, with UL 1682) \$200

This standard applies to pin and sleeve type plugs, receptacles, power inlets, and connectors, rated up to 800 A and up to 600 V ac or dc, and which may include two or fewer pilot contacts. These devices are intended to provide power from branch circuits, or are for direct connection to the branch circuit in accordance with the *Canadian Electrical Code, Part I* and the *National Electrical Code ANSI/NFPA 70*, using copper conductors. Devices covered are for use in either indoor or outdoor nonhazardous locations.

C22.2 No. 214-02, 6th edition

Communications Cables (Bi-national standard, with UL 444) \$200

This standard applies to 60–250°C single- or multiple-conductor jacketed or unjacketed, integral or nonintegral cables, and single or multiple coaxial cables for telephone and other communication circuits such as voice, data, and audio for on-premise customer systems. These cables are not prohibited from containing one or more optical fibre members. For the purpose of this standard:

- A coaxial cable or coaxial member conductor is a single conductor with a shield.
- A single- or multiple-conductor unjacketed cable is a cross-connect wire.

This standard applies to communications cables that are intended primarily for installation in accordance with Section 60 of the *Canadian Electrical Code, Part I*, and Article 800 of the *National Electrical Code*. They are rated for 300 V applications but are not so marked. It does not apply to communication cords.

Nouvelles parutions en français

C22.1SB-02, 19^e édition

Code canadien de l'électricité, Première partie (19^e édition), Norme de sécurité relative aux installations électriques (reliure spirale) 80 \$

Ce code a pour objet d'établir des normes de sécurité relatives à l'installation et à l'entretien de l'appareillage électrique. Au cours de son élaboration, on a tenu compte de la prévention des risques d'incendie et de chocs électriques ainsi que de l'entretien nécessaire et du bon fonctionnement des appareils.

La conformité à ce code ainsi qu'un entretien adéquat assureront la sécurité indispensable de l'installation.

Ce code n'est pas destiné à servir de spécification de conception ni de manuel d'instruction à l'usage de personnes non qualifiées.

Ce code s'applique à tous les travaux d'électricité et à tout appareillage électrique fonctionnant, ou destiné à fonctionner, sous toutes les tensions possibles dans les installations électriques des bâtiments, constructions et propriétés, y compris les constructions préfabriquées démontables et non démontables, et les bateaux autopropulsés immobilisés pour des périodes dépassant cinq mois et branchés, continuellement ou de temps en temps, à une alimentation électrique côtière, à l'exception :

- a) des installations ou de l'appareillage utilisés par un service public d'électricité, de télécommunications ou de télédistribution fonctionnant en tant que tel et situés à l'extérieur ou à l'intérieur des bâtiments, ou parties de bâtiments réservés à cet usage ;
- b) de l'appareillage et des installations utilisés pour l'exploitation de chemins de fer électriques et alimentés exclusivement par les circuits alimentant la force motrice ;
- c) des installations ou de l'appareillage utilisés par les chemins de fer à des fins de signalisation et de télécommunications et situés à l'extérieur ou à l'intérieur des bâtiments, ou parties de bâtiments réservés à cet usage ;
- d) des aéronefs ;
- e) des réseaux électriques de navires soumis aux normes d'électricité régissant les navires, sous la juridiction de Sécurité maritime, Transports Canada.

Voir aussi la norme CAN/CSA-M421 en ce qui a trait aux mines et aux carrières.



Amendments

C22.2 No. 38-95

Thermoset Insulated Wires and Cables

Revision of the Table of Contents, and Clauses 4.6.1, 4.6.2, 5.2, and 6.2.2.1. Addition of Clauses 4.6.4 and 5.1.10. Deletion of Clause 6.4.16 and Table 43.

Modifications publiées en français

C22.2 n° 96-98

Câbles de puissance mobiles

Des modifications ont été apportées à la table des matières et aux articles 2.1, 4.3.3.7, 5.1.4.5, 5.1.11.2.5, 5.2.1 et 6.3.1 ainsi qu'aux tableaux 4, 10 et 26. Les articles 5.3.13, 6.4.13, 7.4.11 et le tableau 4A ont été ajoutés. Les articles 4.5.12, 5.3.11, 6.4.11, 7.4.9 et 8.4.7 ont été abrogés.

CAN/CSA-C68.3-97 (C2001)

Câbles de puissance avec écran et à neutre concentrique d'une tension nominale de 5 à 46 kV

Des modifications ont été apportées à la table des matières, aux articles 2.1, 3.1, 4.2.3, 4.2.5, 4.2.6, 4.3.3, 4.4.2.1, 4.4.2.2, 4.4.2.3, 4.4.4.5, 4.8.1.2.1, 5.1j), 6.2.2 et 6.3.11, et aux tableaux 3, 4, 5, 8, 18, 23 et 26 ainsi qu'aux appendices C et E. L'article 1.3A a été ajouté.

Proposed New Projects

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

- **C22.2 No. 211.0, 2nd edition**
General Requirements and Methods of Testing for Nonmetallic Conduit
- **C22.2 No. 262, 1st edition**
Optical Fiber Cable Raceway Systems

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

- **C22.2 No. 31, 8th edition**
Switchgear Assemblies
- **C22.2 No. 261, 1st edition**
Requirements for Arc Resistant Ratings

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

- **C22.2 No. 61058, 1st edition**
Appliance Switches

Drafts

Please note: Public comments about the draft standards and proposed amendments listed in this issue are due by October 7, 2002.

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

- **C22.2 No. 5-02, Proposed amendments**
Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures

Proposed revisions of Clauses 6.4, 7.4, 8.8, and 9.4.
- **C22.2 No. 36-M1989 (R1999), Proposed amendments**
Hairdressing Equipment

Proposed revisions of Clauses 4.2.3, 4.2.4, 4.2.5, and 6.11.3.
- **C22.2 No. 60950-1, 1st edition**
Information Technology Equipment—Safety—Part 1: General Requirements

Proposed Adoption of Standards

Note: Public comments about proposed adoptions listed in this issue are due by October 7, 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 60127-6 (1994-04)**
Miniature Fuses—Part 6: Fuse-holders for Miniature Cartridge Fuse-links
- **IEC 61347-1 (2000-10)**
Lamp Controlgear—Part 1: General and Safety Requirements
- **IEC 61347-2-3 (2000-10)**
Lamp Controlgear—Part 2-3: Particular Requirements for A.C. Supplied Electronic Ballasts for Fluorescent Lamps



Reaffirmed Standards

C22.2 No. 98-1954 (R2002)

Construction and Test of Power-Operated Radio Transmitters

C22.2 No. 112-97 (R2002)

Electric Clothes Dryers

C22.2 No. 117-1970 (R2002)

Room Air Conditioners

C22.2 No. 167-97 (R2002)

Household Dishwashers

C22.2 No. 169-97 (R2002)

Electric Clothes Washing Machines and Extractors

Informs Notices (Bulletins from CSA Certification and Testing)

Date	Subject	Title
May 6, 2002	CSA program for qualification of facilities engaged in the repair of electrical motors and generators, certified by CSA to US standards, for use in hazardous locations.	Certification Informs No. 370-US

Certification Notices

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

Effective Date	Subject	Title
▶ Immediately	Publication of CSA standard C22.2 No. 5-02, <i>Moulded-Case Circuit Breakers, Moulded-Case Switches and Circuit Breaker Enclosures</i> . (Replaces Certification Notice "Circuit Breakers No. 1" and Informs "Switches No. 1.")	Circuit Breakers No. 2/ Switches No. 6
▶ November 7, 2003	Publication of the third edition of CSA standard C22.2 No. 104-01, <i>Humidifiers</i> . (Supersedes Certification Notice "Humidifiers No. 1.")	Humidifiers No. 2

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	4
Conduit and Cable Fittings	C22.2 No. 18.3	ns	4
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)			
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	3
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	3
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
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	3
Reinforced Thermosetting Resin Conduit (RTRC)–Below Ground	C22.2 No. 211.4	ns	3
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
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	2
Specialty Transformers	C22.2 No. 66	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	C
Safety of Uninterruptible Power Supplies (UPS)–Part 1	C22.2 No. 107.3	ns	4
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 Laser Products–Part 1: Equipment Classification, Requirements and User's Guide	E60825-1	ns	3
Safety of Power Transformers, Power Supply Units and Similar —			
— Part 1: General Requirements and Tests	E61558-1	ns	3
— Part 2-1: Separating Transformers for General Use	E61558-2-1	ns	3
— Part 2-2: Control Transformers	E61558-2-2	ns	3
— Part 2-4: Isolating Transformers for General Use	E61558-2-4	ns	3
— Part 2-5: Shaver Transformers and Shaver Supply Units	E61558-2-5	ns	3
— Part 2-6: Safety Isolating Transformers for General Use	E61558-2-6	ns	3
— Part 2-13: Auto-transformers for General Use	E61558-2-13	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	5
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	5
Electrical Engineering			
Single-Phase and Three-Phase Distribution Transformers, Types ONAN and LNaN	C2	ne	4
Pole-Mounted, Single-Phase, Distribution Transformers for Electric Utilities	C2.2	ns	4
Dry-type Transformers	C9	ne	4
Three-Phase Network Transformers	C199	ne	3
Three-phase, Live-front Pad-mounted Distribution Transformers	C227.2	ne	3
Low-Profile, Single-Phase, Pad-mounted Distribution Transformer with Separable Insulated High-Voltage Connectors	C227.3	ne	4
Three-Phase, Pad-mounted Distribution Transformers with Separable Insulated Connectors	C227.4	ne	4
Single-Phase, Submersible Distribution Transformers, Type ONAN	C301.1	ne	4
Three-Phase, Submersible Distribution Transformers, Type ONAN	C301.2	ne	4
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	5
Electromagnetic Compatibility (EMC)–Part 4: Testing and Measurement Techniques–Section 9: Pulse Magnetic Field Immunity Test–Basic EMC Publication	61000-4-9	ns	5
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	5
Electromagnetic Compatibility (EMC)–Part 4-17: Testing and Measurement Techniques–Ripple on D.C. Input Power Port Immunity Test	61000-4-17	ns	5



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	C
Specification for Radio Disturbance and Immunity Measuring Apparatus and Methods–Part 2: Methods of Measurement of Disturbance and Immunity	CISPR 16-2	ns	C
Information Technology Equipment–Radio Disturbance Characteristics–Limits and Methods of Measurement	CISPR 22	ne	5



New Standards & Editions

C679-02, 1st edition

Installation and Maintenance of Farm Standby Electric Power \$35

This standard provides information to help installers, maintenance personnel, operators, designers, and others in the proper installation, operation, and maintenance of farm standby electrical systems. The standard covers both engine-driven and tractor-driven generators for farm standby electrical power.

Nouvelles parutions en français

C652-00, 2^e édition

Installation des chauffe-eau électriques à accumulation et des chauffe-eau à pompe à chaleur pour usage domestique 50 \$

Cette norme énonce les exigences relatives à l'installation des chauffe-eau électriques à accumulation et des chauffe-eau à pompe à chaleur qui seront utilisés dans des locaux d'habitation.

Cette norme s'applique :

- a) aux chauffe-eau électriques à accumulation :
 - (i) d'un volume de 50 à 454 L (13 à 120 gallons US) ;
 - (ii) dont les éléments chauffant électriques ont une puissance de chauffe absorbée d'au plus 12 kW ;
- b) aux chauffe-eau à pompe à chaleur :
 - (i) d'un courant nominal maximal de 24 A ;
 - (ii) d'une tension monophasée maximale de 250 V ;
 - (iii) équipés de l'appareillage auxiliaire nécessaire à leur fonctionnement.

Le but de cette norme n'est pas de fournir des conseils sur le choix de la capacité du réservoir pour une installation en particulier.

Modifications publiées en français

Z662-99

Réseaux de canalisations de pétrole et de gaz

Des modifications ont été apportées à la table des matières, aux articles 2.1, 3.1, 6.5.7, 7.2.5.2.2.3 e), 7.2.5.4.2.1.1, 7.2.5.4.2.1.2, 7.2.5.4.2.3.1, 7.2.6.1.3, 7.2.6.1.4, 7.2.6.4, 7.2.11.1.5, 7.2.12.3.2,

7.2.12.9.1.2, 8.2.5.1, 9.2, 9.2.5, 9.2.9.1, 9.2.10.2.1, 9.2.10.2.4, 9.4, 9.5, 11.7.1, 11.7.4, 11.7.5, 13.1.3.1, 15.4.1, 15.4.1.1, 15.7.2.3, C8.12 et F5.2, aux tableaux 4.1, 5.3, 7.3, 7.9 et K1 ainsi qu'aux figures 5.1, 7.3, 7.8 et 7.14.

Reaffirmed Standards

CAN/CSA-C260-M90 (R2002)

Rating the Performance of Residential Mechanical Ventilation Equipment

CAN/CSA-C373-92 (R2002)

Energy Consumption Test Methods for Household Dishwashers

Proposed Reaffirmation of Standards

For more information about the following proposed reaffirmations, contact Mario Micallef at 416-747-2266 or mario.micallef@csa.ca:

- **B306-M1977**
Portable Fuel Tanks for Marine Use
- **CAN/CSA-B366.1-M91**
Solid-Fuel-Fired Central Heating Appliances

Formal Interpretations

The following interpretation regarding CSA standard Z662-99, Clause 8, has been approved by the Technical Committee on Oil & Gas Pipeline Systems and Materials.

Question: Is the following interpretation of CSA Z662 correct?

"Instrumentation piping and tubing operating at less than 20% SMYS does not need to be pressure tested in accordance with Section 8 of CSA Z662. Therefore, each operating company shall be responsible for establishing appropriate testing procedures for each instrumentation piping and tubing installation and any maintenance or upgrade work, to provide adequate assurance of integrity."

Answer: No. The Committee refers you to the CSA standard Z662, Clause 3.0 – Definition of "Piping, instrument" – and to Clause 8.1, which deals with the requirements for pressure testing of piping.



Status of CSA Standards Projects

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

STATUS: 1 The project is under initial evaluation.

2 The technical content is being drafted.

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

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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	4
Energy Performance, Water Consumption, and Capacity of Automatic Household Clothes Washers	C360	ne	2
Test Method for Measuring Energy Consumption and Drum Volume of Electrically Heated Household Tumble-Type Clothes Dryers	C361	ne	2
Energy Efficient Test Methods for Three-Phase Induction Motors	C390	ne	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	5
Standard for Packaged Terminal Air Conditioners and Heat Pumps	C744	ne	4
Energy Efficiency for Single- and Three-phase Small Motors	C747	ne	H
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	3
General Requirements for Oil Burning Equipment	B140.0	ne	5
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	4
Mechanical Flue-Gas Exhausters	B255	ne	2
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	4
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



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
Oil & Gas Industry Systems			
Steel Line Pipe	Z245.1	ne	5
External Fusion Bond Epoxy Coating for Steel Pipe	Z245.20	ne	5
External Polyethylene Coating for Pipe	Z245.21	ne	5
Storage of Hydrocarbons in Underground Formations (series)—			
— Reservoirs	Z341.1	ns	4
— Salt Caverns	Z341.2	ns	4
— Mined Caverns	Z341.3	ns	4
Oil and Gas Pipeline Systems	Z662	ne	3



Nouvelles parutions en français

Z825-98, 1^{re} édition

Guide relatif à la norme ISO 14001 à l'intention des auditeurs et des utilisateurs 55 \$

L'objet de ce guide est d'apporter des éclaircissements sur la norme ISO 14001 de sorte que les organismes soient en mesure de concevoir, de mettre en œuvre et d'auditer des systèmes de gestion de l'environnement (SGE) de façon uniforme. Ce guide s'adresse principalement aux registraires et aux auditeurs chevronnés qui pratiquent des audits de SGE aux fins d'enregistrement, d'auto-déclaration ou d'analyse interne. De plus, il vise à accroître l'uniformité des audits effectués par les différents registraires et

auditeurs ainsi qu'à améliorer du même coup la fiabilité des résultats de ces audits. La mise en œuvre de la norme ISO 14001 sera donc réalisée avec une rigueur accrue et les parties intéressées lui accorderont une plus grande confiance. De même, des avantages en découleront pour l'environnement.

Proposed Adoption of Standards

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

- **ISO 14062**
Design for the Environment

Status of CSA Standards Projects

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

- STATUS:** 1 *The project is under initial evaluation.*
 2 *The technical content is being drafted.*
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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	3
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
Noise Emission Declarations	Z107.58	ns	4

**Status of CSA Standards Projects (cont'd)**

SUBJECT	NUMBER	TYPE	STATUS
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
Protocol for Verification of the Environmental Performance Agreement Between Environment Canada and the Automotive Parts Manufacturers' Association	PLUS 1165	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
Design for the Environment	ISO 14062	ns	1
Guidelines on Quality and/or Environmental Managing Systems Auditing	ISO 19011	ns	4
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: Requirements Standard	Z771	ns	2
Environmental Management System Standard for Hog Operations: Implementation Guidance	Z772	ns	1
Environmental Compliance Auditing	Z773	ns	3
Sustainable Forest Management Requirements	Z809	ne	4



Gas Equipment

New Standards & Editions

ANSI Z21.11.2b-2002

Addenda b to "Unvented Gas-Fired Room Heaters, Volume II, Unvented Room Heaters" \$85

This document provides revisions to ANSI Z21.11.2-2000 and ANSI Z21.11.2a-2001.

ANSI Z21.41b-2002/CSA 6.9b-2002

Addenda b to "Quick Disconnect Devices for Use with Gas Fuel Appliances" \$75

This document provides revisions to ANSI Z21.41-1998/CSA 6.9-M98 and ANSI Z21.41a-2001/CSA 6.9a-2001.

ANSI Z21.54-2002/CSA 8.4-2002, 2nd edition

Gas Hose Connectors for Portable Outdoor Gas-Fired Appliances \$390

This standard details test and examination criteria for gas hose connectors suitable for connecting portable outdoor gas-fired appliances to fixed gas supply lines containing natural, manufactured or mixed gases, liquefied petroleum gases, or LP gas-air mixtures at pressures not in excess of 1/2 psi (3.45 kPa). These connectors are intended for use in unconcealed outdoor locations unlikely to be subject to excessive temperatures [above 200°F (93.5°C)].

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

Addenda b to "Vented Gas-Fired Space Heating Appliances" \$95

This document provides revisions to ANSI Z21.86-2000/CSA 2.32-2000 and ANSI Z21.86a-2001/CSA 2.32a-2001.

ANSI Z21.88-2002/CSA 2.33-2002, 3rd edition

Vented Gas Fireplace Heaters \$800

This standard details test and examination criteria for vented gas fireplace heaters for use with natural and liquefied petroleum (propane) gases, which allows the view of flames, provides the simulation of a solid-fuel fireplace, and furnishes warm air to the space in which it is installed with or without duct connections. A vented gas-fired fireplace heater is designed to comply with minimum thermal efficiency requirements and may be controlled by an automatic thermostat. Direct vent appliances may be installed in manufactured (mobile) homes and recreational vehicles.

ANSI Z83.4b-2002/CSA 3.7b-2002

Addenda b to "Non-Recirculating Direct Gas-Fired Industrial Air Heaters" \$75

This document provides revisions to ANSI Z83.4-1999/CSA 3.7-M99 and ANSI Z83.4a-2001/CSA 3.7a-2001.

ANSI Z83.8-2002/CSA 2.6-2002, 2nd edition

Gas Unit Heaters and Gas-Fired Duct Furnaces . . \$710

This standard details test and examination criteria for gas unit heaters and gas-fired duct furnaces for use with natural, manufactured, and mixed gases, LP gases, and LP gas-air mixtures. A unit heater may either be suspended or floor-mounted and may be of the low- or high-static pressure type. Duct furnaces are normally installed in distribution ducts of air conditioning systems to supply warm air for heating, and depend for air circulation on a blower not furnished as a part of the furnace.

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 October 7, 2002.

To receive copies of the following, or to offer comments, contact Cathy Rake at 216-524-4990 or cathy.rake@csa-america.org:

- **Z21.11.2 - addenda a**
Gas-Fired Room Heaters, Volume II, Unvented Room Heaters
- **Z21.50/CSA 2.22 - new edition**
Vented Gas Fireplaces
- **Z21.86/CSA 2.32 - addenda a**
Vented Gas-Fired Space Heating Appliances
- **Z21.88/CSA 2.33 - addenda b**
Vented Gas Fireplace Heaters



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SUBJECT	NUMBER	TYPE	STATUS
Food Processing and Food Refrigeration			
Household Cooking Gas Appliances	1.1	ne	3
Accessories			
Service Regulators	6.18	ne	5
Natural Gas and Propane Vehicle Fuel Systems and Industrial Engines			
Automatic Pressure Operated Valves for Natural Gas Dispensing Systems	12.57/ANSI NGV 4.7	ns	4



New Standards & Editions

B311-02, 2nd edition

Safety Code for Manlifts \$70

This standard specifies minimum requirements for designing, constructing, installing, operating, testing, inspecting, altering, and maintaining permanently installed manlifts for the vertical transportation of authorized personnel and, where authorized, their tools and equipment. Such manlifts are typically installed in structures such as grain elevators, radio antennas, bridge towers, underground facilities, dams, power plants, pulp mills, and similar structures.

CAN/CSA-C22.2 No. 60601-1-1:02, 2nd edition (bilingual standard)

Medical Electrical Equipment—Part 1-1: General Requirements for Safety—Collateral Standard: Safety Requirements for Medical Electrical Systems (Adopted IEC 60601-1-1:2000) \$85

This standard applies to the safety of medical electrical systems (as defined in the standard). It describes the safety requirements necessary to provide protection for the patient, the operator, and the surroundings.

CAN/CSA-C22.2 No. 60601-1-4:02, 1st edition (bilingual standard)

Medical Electrical Equipment—Part 1-4: General Requirements for Safety—Collateral Standard: Programmable Electrical Medical Systems (Adopted IEC 60601-1-4:1996, including Amendment 1:1999) \$125

This collateral standard applies to the safety of medical electrical equipment and medical electrical systems incorporating programmable electronic subsystems (PESS). These systems are referred to as programmable electrical medical systems (PEMS).

Some systems that incorporate software and that are used for medical purposes (such as many medical informatics systems) are outside the scope of this standard. The distinguishing factor is whether the system satisfies the definition of *medical electrical equipment* in 2.2.15 of IEC 60601-1 or of *medical electrical system* in 2.203 of IEC 60601-1-1.

This standard specifies requirements for the process by which a PEMS is designed. It also serves as the basis of requirements of particular standards, including serving as a guide to safety requirements for the purpose of reducing and managing risk.

CAN/CSA-C22.2 No. 60601-2-30:02, 2nd edition

Medical Electrical Equipment—Part 2-30: Particular Requirements for the Safety, Including Essential Performance, of Automatic Cycling Non-Invasive Blood Pressure Monitoring Equipment (Adopted IEC 60601-2-30:1999) \$75

This standard specifies requirements for the safety, including essential performance, of automatic cycling, non-invasive blood pressure monitoring equipment. The equipment may be attended or unattended. This standard does not apply to blood pressure measuring equipment that uses finger transducers, or to semi-automatic blood pressure measuring equipment, typically in which each determination needs to be initiated manually.

CAN/CSA-C22.2 No. 60601-2-34:02, 2nd edition

Medical Electrical Equipment—Part 2-34: Particular Requirements for the Safety, Including Essential Performance, of Invasive Blood Pressure Monitoring Equipment (Adopted IEC 60601-2-34:2000) \$85

This standard applies to invasive blood pressure monitoring and measuring equipment. It does not apply to catheter tubing, catheter needles, Luer locks, taps, and tap tables.

Z317.11-02, 2nd edition

Area Measurement for Health Care Facilities \$50

This standard establishes a basic, uniform system of area measurements to facilitate meaningful comparisons between health care facilities throughout Canada, and for executing those procedures that require such measurements (for example, space programming, design, administration, and funding of capital programs). The measurement techniques apply to both existing buildings and new construction.

Nouvelles parutions en français

CAN/CSA-C22.2 n° 60601-1-1:02, 2^e édition (norme bilingue)

Appareils électromédicaux—Partie 1-1 : Règles générales de sécurité—Norme collatérale : Règles de sécurité pour systèmes électromédicaux (norme CEI 60601-1-1:2000 adoptée) 85 \$

Cette norme s'applique à la sécurité des systèmes électromédicaux, tels qu'ils sont définis en 2.201. Elle décrit les règles de sécurité nécessaires pour assurer la protection du patient, de l'opérateur et de l'environnement.



Nouvelles parutions (suite)

CAN/CSA-C22.2 n° 60601-1-4:02, 1^{re} édition
(norme bilingue)

*Appareils électromédicaux—Partie 1-4 :
Règles générales de sécurité—Norme collatérale :
Systèmes électromédicaux programmables*
(norme CEI 60601-1-4:1996 adoptée,
y compris la modification 1:1999) 125 \$

La présente norme collatérale traite de la sécurité des appareils électromédicaux et des systèmes électromédicaux comprenant des sous-systèmes électroniques programmables (SSEP), appelés systèmes électromédicaux programmables (SEMP) dans la suite du texte.

Note. Certains systèmes qui comportent un logiciel et sont utilisés pour des besoins médicaux ne sont pas dans le domaine d'application de la présente norme collatérale, comme c'est le cas de plusieurs systèmes d'informatique médicale. Le facteur/critère de distinction est la conformité ou non-conformité du système à la définition de l'appareil électromédical en 2.2.15 de la CEI 60601-1 ou à la définition du système électromédical en 2.203 de la CEI 60601-1-1.

La présente norme collatérale fixe les prescriptions à suivre lors de la conception d'un SEMP. Elle fournit aussi la base des prescriptions des normes particulières en servant de guide pour les exigences de sécurité visant à réduire et à gérer les risques.

Modifications publiées en français

B335-94

Formation des caristes

Des modifications ont été apportées à la Table des matières, et aux articles 2.1, 4.2.3, 4.2.6, 4.2.7, 4.2.8, 4.3.6, 4.3.7 et 4.4. L'article 1.3, le chapitre 7 et l'appendice A ont été ajoutés.

Proposed New Projects

For more information about the proposed development of the following new projects, contact Ian Brodie at 416-747-2670 or ian.brodie@csa.ca:

- **B651, 3rd edition**
Barrier-Free Design
- **B651.2, 1st edition**
Barrier-Free Dispensing Machines

For more information about the proposed development of the following new projects, contact Kevin MacKenzie at 416-747-2496 or kevin.mackenzie@csa.ca:

- **D113.2, 2nd edition**
Cyclists Helmets
- **ISO/EN 10256, New Standard**
Head and Face Protection for Ice Hockey Players
- **Z94.5, 2nd edition**
Non-prescription Sunglasses
- **Z764, 2nd edition**
Guide to Public Involvement

Drafts

Please note: Public comments about draft standards and proposed amendments listed in this issue are due by October 7, 2002.

To receive copies of the following draft standards, or to offer comments, contact Kevin MacKenzie at 416-747-2496 or kevin.mackenzie@csa.ca:

- **Z614, 3rd edition**
Children's Playspaces and Equipment
- **Z731, 3rd edition**
Emergency Preparedness

Reaffirmed Standards

CAN/CSA-M663-92 (R2002)
*Seven-Pin Electrical Connector and Cable for
Agricultural Towing/Towed Equipment*

CAN/CSA-M4254.4-M92 (R2002)
*Machinery for Forestry—Winches—Technical Means for
Ensuring Safety*

CAN/CSA-M5675-92 (R2002)
*Agricultural Tractors and Machinery—General Purpose
Quick-Action Hydraulic Couplers*

CAN/CSA-M6682-M91 (R2002)
*Zones of Comfort and Reach for Controls—Machinery
(EMM, FM)*

CAN/CSA-M6683-92 (R2002)
Seat Belts and Anchorages—Machinery (EMM, FM)

CAN/CSA-M6816-92 (R2002)
*Machinery for Forestry—Winches—Classification and
Nomenclature*



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-D113.2-M89 (R2001)**
Cycling Helmets
- **Z94.5-95 (R2001)**
Non-prescription Sunglasses

Proposed Withdrawal of Standards

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

- **Z433-M92 (R1997)**
Portable Gas Monitors

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			
Risk Management Essentials: A Practical Handbook for Implementing ISO 14971 for Medical Device Manufacturers	PLUS 14971	spec	2
Medical Electrical Equipment—			
– Part 2-12: Particular Requirements for the Safety of Lung Ventilators— Critical Care Ventilators	C22.2 No. 60601-2-12	ne	2
– Part 2-13: Particular Requirements for the Safety of Anaesthetic Workstations	C22.2 No. 60601-2-13	ne	5
– 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
– Part 2-29: Particular Requirements for the Safety of Radiotherapy Simulators	C22.2 No. 60601-2-29	ne	3



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
Health Care Technology (cont'd)			
Medical Electrical Equipment—			
– Part 2-39: Particular Requirements for the Safety of Peritoneal Dialysis Equipment	C22.2 No. 60601-2-39	ns	3
– Part 2-41: Particular Requirements for the Safety of Surgical Luminaires and Luminaires for Diagnosis	C22.2 No. 60601-2-41	ns	3
– Part 2-45: Particular Requirements for the Safety of Mammographic X-ray Equipment and Mammographic Stereotactic Devices	C22.2 No. 60601-2-45	ne	3
Application of Auditory and Visual Medical Devices	ISO 9703-3	ns	3
Biological Evaluation of Medical Devices—Part 15: Identification and Quantification of Degradation Products from Metals and Alloys	ISO 10993-15	ns	H
Metered Dose Inhaler Spacer Device	Z264.1	ns	4
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	4
Selection and Use of Rigid Sterilization Containers	Z314.14	ne	2
Warehousing, Storage and Transportation of Clean and Sterile Medical Devices	Z314.15	ns	4
Evaluation of Single Use Medical Sharps Containers for Biohazardous and Cytotoxic Waste	Z316.6	ne	4
Infection Control During Construction/Renovation of Health Care Facilities	Z317.13	ns	4
Water Treatment Equipment and Water Quality Requirements for Haemodialysis	Z364.2.2	ne	3
Transportable Mobility Aids	Z604	ne	5
Mobility Aid Securement and Occupant Restraint Systems	Z605	ne	4
Safety of Cells, Tissues and Organs for Transplantation and Assisted Reproduction	Z900.1	ns	4
Safety of Reproductive Tissues for Assisted Reproduction	Z900.2.1	ns	3
Safety of Tissues for Transplantation	Z900.2.2	ns	3
Safety of Perfusable Organs for Transplantation	Z900.2.3	ns	3
Safety of Ocular Tissues for Transplantation	Z900.2.4	ns	3
Safety of Lymphohematopoietic Cells for Transplantation	Z900.2.5	ns	3
Safety of Blood and Blood Components	Z902	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
Sterilization of Health Care Products—Biological Indicators—Guidance for the Selection, Use, and Interpretation of Results	Z14161	ns	2
Mechanical Industrial Equipment			
Elevator and Escalator Electrical Equipment	B44.1	ne	4
Boiler, Pressure Vessel, and Pressure Piping Code	B51	ne	3
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	4



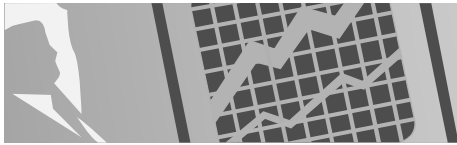
Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
Mechanical Industrial Equipment (cont'd)			
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	4
Selection and Use of Highway Tanks, Multi-Unit Tank Car Tanks, and Portable Tanks for the Transportation of Dangerous Goods, Class 2	B622	ne	4
Community and Personal Issues			
Barrier-Free Design	B651	ne	1
Accessible Transit Buses	D435	ns	5
Accessible Over-the-road Buses	D436	ns	4
Children's Playspaces and Equipment	Z614	ne	3
Occupational Health and Safety			
Industrial Lift Truck Operator Training	B335	ne	4
Elevating Rolling Work Platforms	B354.1	ne	2
Mast Climbers	B354.5	ns	3
Tractor Front-end Loader Safety	M682	ns	2
Definitions of Agriculture Field Equipment	M684	ns	3
Agricultural Wheeled Tractors–Rear-mounted Three-point Linkage–Part 1: Categories 1, 2, 3 and 4	M730-1	ns	3
Braking Systems–Performance Requirements and Test Procedures–Wheeled Machines	M3450	ne	5
Agricultural Tractors–Operator's Seating Accommodation–Dimensions	M4253	ns	H
Agricultural Wheeled Tractors–Operator's Seat–Laboratory Measurement of Transmitted Vibration	M5007	ne	3
Agricultural Tractor Seating–Measurement of Whole Body Vibration	M5008	ns	3
Agricultural Vehicles–Mechanical Connections on Towing Vehicles–Part 3: Tractor Drawbars	M6489-3	ns	3
Earth-moving Machinery–Product Identification Numbering System	M10261	ns	3
Machinery for Forestry–Self-propelled Machinery–Safety	M11850	ne	3
Agricultural Machinery–Agricultural Trailers and Trailed Equipment–Drawbar Jacks	M12140	ns	3
Machinery for Forestry–Log Loaders–Location and Method of Operation of Two-lever Operator Controls	M15078	ns	5
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	4
Chain Saw Kickback	Z62.3	ne	2
Health and Safety Code for Suspended Equipment Operations	Z91	ne	5
Industrial Eye and Face Protectors	Z94.3	ne	4
Selection, Use, and Care of Respirators	Z94.4	ne	5
High-Visibility Safety Apparel	Z96	ns	5
Code for Punch Press and Brake Press Operation: Health, Safety, and Guarding Requirements	Z142	ne	4
Code for Tower Cranes	Z248	ne	4
Flexible Horizontal Lifelines	Z259.13	ns	3
Anchorage Connectors	Z259.15	ns	2
Fall Protection Systems Design Code	Z259.16	ns	2



Status of CSA Standards Projects (cont'd)

SUBJECT	NUMBER	TYPE	STATUS
Occupational Health and Safety (cont'd)			
Hyperbaric Facilities	Z275.1	ne	2
Safety Code for Diving Operations	Z275.2	ne	2
Competency Standard for Diving Operations	Z275.4	ne	5
Safeguarding of Machinery	Z432	ne	2
Industrial Robots and Robot Systems–General Safety Requirements	Z434	ne	4
Riot Helmets and Faceshields	Z611	ne	5
Coding of Work Injury or Disease Information	Z795	ne	5
Scaffolding Guidelines	Z797	ns	2



Quality/ Business Management

Reaffirmed Standards

CAN/CSA-ISO 9000-2-98 (R2002)
*Quality Management and Quality Assurance Standards—
Part 2: Generic Guidelines for the Application of
ISO 9001, ISO 9002 and ISO 9003*

CAN/CSA-ISO 9000-3-98 (R2002)
*Quality Management and Quality Assurance Standards—
Part 3: Guidelines for the Application of ISO 9001:1994
to the Development, Supply, Installation and
Maintenance of Computer Software*

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-Q830-96
Model Code for the Protection of Personal Information
- CAN/CSA-Q850-96
Risk Management Guideline for Decision Makers
- Z764-96
A Guide to Public Involvement

Status of CSA Standards Projects

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

- STATUS:**
- 1 The project is under initial evaluation.
 - 2 The technical content is being drafted.
 - 3 The draft is undergoing an internal quality audit by CSA.
 - 4 The publication is being processed for formal letter-ballot approval.
 - 5 The approved publication will be for sale within 2–3 months.
- H The publication is on hold.
C The publication has been cancelled. It will be removed from the next status report.

SUBJECT	NUMBER	TYPE	STATUS
Quality Assurance			
Business-to-Consumer Electronic Commerce	CSA/BNQ 9700-500	ns	H
Guidelines for Quality Plans	ISO 10005	ne	2
Guidelines for Quality Management in Projects	ISO 10006	ne	2
Guidelines for Configuration Management	ISO 10007	ne	2
Quality Assurance Requirements for Measuring Equipment	ISO 10012	ne	3
Guidance on Statistical Techniques for ISO 9001:2000	ISO 10017	ne	3
Guidelines for Complaints Handling	ISO 10018	ns	2
Quality Management Systems—Particular Requirements for Automotive	ISO 16949	ne	3
Guidelines on Quality and/or Environmental Managing Systems Auditing	ISO 19011	ns	4
Basic Engineering			
Guide for the Selection and Use of Preferred Numbers	Z234.3	ne	2