



## **INFO UPDATE**

**Volume 7 November 2001**

**Issue date: November 6, 2001**

**Deadline for comments: January 7, 2002**

## New Sustaining Members

Several organizations have joined CSA as Sustaining Members in recent months in response to a campaign aimed at standards users. As part of a series of profiles on these organizations, CSA would like to introduce you to **Neill and Gunter**, design and consulting engineers.

Named one of Canada's 50 Best Managed Private Companies in 1998, Neill and Gunter specializes in services for industrial and commercial clients, as well as for the government.

Mr. Neill and Mr. Gunter started the firm in the basement of Mr. Gunter's Fredericton home in 1964. Since then, the company has grown to employ 320 people in Canada and the U.S. The organization offers expertise in 10 sectors in the field of renewable resources and energy systems.

The ongoing need for standards prompted Neill and Gunter to join CSA as a Sustaining Member. The Sustaining Member discount came in useful when the company recently bought numerous CSA documents for its resource library. The membership also provides current information about standards activities, which is important to the company's engineers.

Find out more about other new Sustaining Members in future editions of *Info Update* and *Perspectives*.

## Member Education Sessions

Member Services continues to offer valuable education sessions at no charge to members, and is preparing to add a new module to its programs.

On November 15 and 16 in Toronto, Member Services will be offering a pilot **facilitation session for Committee Chairs**. This new complimentary session (offered elsewhere for approximately \$2000 per person) will combine the traditional module for Chairs, which focuses on CSA standards development processes, with tailored material on facilitation.

We hope that this new session will help Committee Chairs to enhance their facilitation skills in meetings. The session is entitled "*Facilitating for Success in Standards*."

Our traditional **chairs training session** was held on October 11 in Toronto.

Fall **sessions for Committee Members** were held on September 20 and October 25 in Toronto, and another will be held on November 30 in Vancouver. Winter sessions will be held on January 21, February 18 and March 25 in Toronto.

For more information about member training sessions, or to register, please contact Cathy Frederickson at the address listed at the bottom of this page.

## National Standards System Conference

The Standards Council of Canada is planning a major conference on the National Standards System (NSS), to take place on March 26 and 27, 2002, at Chateau Mont Sainte-Anne in Quebec City.

The objective of the conference is to guide the evolution of the Canadian Standards Strategy for the continued benefit of the National Standards System. Conference tracks include Standards and Regulation; Global Trade; Conformity Assessment; and Standards Development.

Watch the Standards Council of Canada Web site at [www.scc.ca](http://www.scc.ca) for conference details.

## For more information ...

For more information about Member Services, please contact:

**Cathy Frederickson**, Member Services  
178 Rexdale Blvd., Toronto, ON M9W 1R3  
Telephone: 416-747-4206 Fax: 416-747-2473  
E-mail: [cathy.frederickson@csa.ca](mailto:cathy.frederickson@csa.ca)

## Nouveaux membres de soutien

La campagne de recrutement que nous avons menée au cours des derniers mois auprès des utilisateurs de normes a incité plusieurs organismes à joindre les rangs de la CSA à titre de membres de soutien. Dans le cadre d'une série d'articles dressant le profil de quelques-uns de ces organismes, la CSA est heureuse de vous présenter la firme d'études de conception et de génie conseil **Neill and Gunter**.

Nommée en 1998 l'une des 50 entreprises privées les mieux administrées au Canada, la firme Neill and Gunter offre ses services à une clientèle composée d'entreprises industrielles et commerciales ainsi que d'organismes gouvernementaux.

C'est en 1964 que M. Neill et M. Gunter ont lancé leur entreprise dans le sous-sol de ce dernier à Fredericton. Depuis, l'entreprise a pris une telle expansion qu'elle emploie aujourd'hui 320 personnes au Canada et aux États-Unis. La firme fournit une expertise spécialisée à une dizaine de secteurs d'activités du domaine des complexes énergétiques et des projets faisant appel aux ressources renouvelables.

La façon dont la firme Neill and Gunter a constamment recours aux normes a incité les responsables de l'entreprise à adhérer à la CSA à titre de membre de soutien. Les réductions accordées à ces membres sur le prix des normes ont d'ailleurs été fort utiles lorsque l'entreprise a récemment acheté plusieurs documents CSA en vue de renouveler sa bibliothèque. De plus, l'adhésion permet d'obtenir des renseignements à jour au sujet des activités de normalisation, ce qui revêt une importance certaine pour les ingénieurs de la firme.

Pour en apprendre davantage sur d'autres nouveaux membres de soutien CSA, consultez les prochaines livraisons d'*Info-Update* et de *Perspectives*.

## Séances de formation à l'intention des membres

Les Services aux membres CSA ajouteront sous peu un nouveau module au programme de formation à l'intention des membres, un service des plus pratiques toujours offert gratuitement aux membres de l'organisme.

Les 15 et 16 novembre prochains à Toronto, les Services aux membres offriront la toute nouvelle séance pilote d'**initiation à l'animation de réunions pour les présidents de comités**. Cette nouvelle séance gratuite (offerte ailleurs au coût approximatif de 2 000 \$ par personne) intégrera le traditionnel module

de formation des présidents, lequel met l'accent sur le processus d'élaboration des normes CSA, à la nouvelle matière conçue spécialement pour familiariser les participants avec les techniques d'animation.

Nous espérons que cette nouvelle séance intitulée *L'animation : la clé du succès du processus de normalisation* aidera les présidents de comités à parfaire leurs habiletés en matière d'animation de réunions.

Bien connue des membres, la **séance de formation des présidents de comités** a eu lieu le 11 octobre dernier à Toronto.

Par ailleurs, une **séance de formation des membres de comités** s'est déroulée le 20 septembre dernier à Toronto. Les autres séances de l'automne se tiendront le 25 octobre à Toronto et le 30 novembre à Vancouver. Les séances d'hiver auront lieu les 21 janvier, 18 février et 25 mars à Toronto.

Pour vous inscrire aux séances de formation des membres de comités ou pour obtenir de plus amples renseignements à ce sujet, communiquez avec Cathy Frederickson, dont les coordonnées sont données au bas de la présente page.

## Conférence sur le Système national de normes

Le Conseil canadien des normes tiendra une importante conférence sur le Système national de normes du 26 au 27 mars 2002, au Château Mont Sainte-Anne de Québec.

Cette conférence vise à déterminer l'orientation que devra emprunter la Stratégie canadienne de normalisation selon le meilleur intérêt du Système national de normes. Les exposés prévus au programme traiteront notamment des normes et des règlements, du commerce international, de l'évaluation de conformité et du processus d'élaboration des normes.

Pour plus de renseignements sur la conférence, consultez le site Web du Conseil canadien des normes, au [www.scc.ca](http://www.scc.ca).

## Pour en savoir plus ...

Pour de plus amples renseignements sur les Services aux membres, communiquez avec :

**Cathy Frederickson**, Services aux membres  
178, boul. Rexdale, Toronto (Ontario) M9W 1R3  
Téléphone : 416-747-4206  
Télécopieur : 416-747-2473  
Courriel : [cathy.frederickson@csa.ca](mailto:cathy.frederickson@csa.ca)



# Gas Equipment

## New Standards & Editions

**ANSI Z21.5.1b-2001/CSA 7.1b-2001**  
*Addenda 2 to "Gas Clothes Dryers, Volume I, Type 1 Clothes Dryers"* . . . . . \$45

This document provides revisions to ANSI Z21.5.1-1999/CSA 7.1-M99.

**ANSI Z21.5.2-2001/CSA 7.2-2001, 2nd edition**  
*Gas Clothes Dryers, Volume II, Type 2 Clothes Dryers* . . . . . \$275

This standard details test and examination criteria for type 2 clothes dryers for use with natural, manufactured and mixed gases, liquefied petroleum gases, and LP gas-air mixtures.

This edition replaces ANSI Z21.5.2-1998/CSA 7.2-M98, ANSI Z21.5.2a-1999/CSA 7.2a-M99, and ANSI Z21.5.2b-2000/CSA 7.2b-2000.

**ANSI Z21.18a-2001/CSA 6.3a-2001**  
*Addenda to "Gas Appliance Pressure Regulators"* . . . \$40

This document provides revisions to ANSI Z21.18-2000/CSA 6.3-M00.

**ANSI Z21.21a-2001/CSA 6.5a-2001**  
*Addenda to "Automatic Valves for Gas Appliances"* . \$40

This document provides revisions to ANSI Z21.21-2000/CSA 6.5-M00.

**ANSI Z21.22b-2001/CSA 4.4b-2001**  
*Addenda 2 to "Relief Valves for Hot Water Supply Systems"* . . . . . \$55

This document provides revisions to ANSI Z21.22-1999/CSA 4.4-M99.

**ANSI Z21.24-2001/CSA 6.10-2001, 2nd edition**  
*Connectors for Gas Appliances* . . . . . \$250

This standard details test and examination criteria for gas appliance connectors comprised of semi-rigid metal tubing (and having a fitting at each end provided with taper pipe threads for connection to a gas appliance and to house piping), or consisting of corrugated tubing depending on all-metal construction for gastightness.

Such connectors are suitable for connecting 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 (3.5 kPa).

These connectors are limited to a maximum nominal length of 6 feet and are not intended for continuous movement. This standard does not apply to gas appliance connectors covered under ANSI Z21.54/CSA 8.4 or Z21.69/CSA 6.16.

This standard replaces the following: ANSI Z21.24-1997/CSA 6.10-M97, ANSI Z21.24a-2000/CSA 6.10a-2000, and ANSI Z21.24b-2001/CSA 6.10b-2001.

**ANSI Z21.54b-2001/CSA 8.4b-2001**  
*Addenda 2 to "Gas Hose Connectors for Portable Outdoor Gas-Fired Appliances"* . . . . . \$40

This document provides revisions to ANSI Z21.54-1996/CSA 8.4-M96.

**ANSI Z21.57-2001, 8th edition**  
*Recreational Vehicle Cooking Gas Appliances* . . . \$315

This standard details test and examination criteria for recreational vehicle cooking gas appliances for use with liquefied petroleum gases only, or for use with natural gas convertible for use with liquefied petroleum gases. The standard defines a recreational vehicle cooking gas appliance as an appliance for domestic food preparation, providing at least one function of (1) top or surface cooking, (2) oven cooking or (3) broiling, and having design features enabling it to meet the special conditions connected with use in a recreational vehicle.

This new edition replaces ANSI Z21.57-1993, ANSI Z21.57a-1997, and ANSI Z21.57b-1998.

**ANSI Z21.69b-2001/CSA 6.16b-2001**  
*Addenda 2 to "Connectors for Movable Gas Appliances"* . . . . . \$40

This document provides revisions to ANSI Z21.69-1997/CSA 6.16-M97.

**ANSI Z21.78a-2001/CSA 6.20a-2001**  
*Addenda to "Combination Gas Controls for Gas Appliances"* . . . . . \$40

This document provides revisions to ANSI Z21.78-2000/CSA 6.20-M00.



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## Amendments

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### B108-99

#### *Natural Gas Fuelling Stations Installation Code*

Revision of the outside and inside front covers, title page, Contents, and Figure 1. Addition of Clause 11 and Appendix B.

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## Modifications publiées en français

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### B108-99

#### *Centres de ravitaillement de gaz naturel : code d'installation*

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

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## Reaffirmed Standards

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### ANSI Z21.54-1996/CGA 8.4-M96 (R2001)

*Gas Hose Connectors for Portable Outdoor Gas-Fired Appliances*

### ANSI Z21.69-1997/CGA 6.16-M97 (R2001)

*Connectors for Movable Gas Appliances*

### ANSI Z21.79-1997/CGA 6.21-M97 (R2001)

*Gas Appliance Sediment Traps*

### ANSI Z21.80-1997/CGA 6.22-M97 (R2001)

*Line Pressure Regulators*

### ANSI/AGA NGV 3.1-1995/CGA 12.3-M95 (R2001)

*Fuel System Components for Natural Gas Powered Vehicles*

### ANSI/IAS LC 1/CSA 6.26-M97 (R2001)

*Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)*

### CAN1-2.20-M85 (R2001)

*Gas-Fired Brooders*

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

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Date	Subject	Title
June 11, 2001	Technical Information Letter (TIL) No. R-11 covering interim certification requirements for indirect fired tobacco drying equipment.	Fuel Burning Equipment No. 78
August 22, 2001	TIL No. R-12 covering interim certification requirements for indirect oil-fired crop drying equipment.	Fuel Burning Equipment No. 79
September 10, 2001	TIL No. R-10 covering interim certification requirements for thermoelectric generators.	Thermoelectric Generators No. 1

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## Certification Notices

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

Effective Date	Subject	Title
▶ January 1, 2002	Publication of CSA standard CSA 6.19-01, <i>Residential Carbon Monoxide Alarming Devices</i> .	Carbon Monoxide Detectors & Alarms No. 3



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## Status of CSA Standards Projects

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

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

2 The technical content is being drafted.

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

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

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

H The publication is on hold.

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

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



## New Standards & Editions

**CAN/CSA-ISO 5841-2-01, 2nd edition**  
*Implants for Surgery—Cardiac Pacemakers—Part 2: Reporting of the Clinical Performance of Populations of Pulse Generators or Leads* (Adopted ISO 5841-2:2000, second edition, 2000-10-15) . . . . . \$75

This standard specifies requirements for reports on the clinical performance in humans of population samples of pulse generators or leads, intended for long-term implantation as cardiac pacemakers. It includes general requirements for all reports; it also includes supplementary requirements for reports on cumulative experience with devices and estimates of future clinical performance for devices, when appropriate.

The standard's Annexes provide requirements for categorizing devices, guidelines for statistics (including a discussion of application of the results obtained), and the rationale for this part of ISO 5841.

**CAN/CSA-ISO 14971-01, 1st edition**  
*Medical Devices—Application of Risk Management to Medical Devices* (Adopted ISO 14971:2000, first edition, 2000-12-15) . . . . . \$95

This standard specifies a procedure that a manufacturer can use to identify the hazards associated with medical devices and their accessories (including *in vitro* diagnostic medical devices), estimate and evaluate the risks, control these risks, and monitor the effectiveness of the control. This standard's requirements apply to all stages of the life cycle of a medical device.

This standard does not apply to clinical judgements relating to the use of a medical device. Nor does it specify acceptable risk levels.

**Z317.2-01, 2nd edition**  
*Special Requirements for Heating, Ventilation, and Air Conditioning (HVAC) Systems in Health Care Facilities* . . . . . \$85

This standard provides criteria for the aspects of HVAC systems that are particular to health care facilities. These criteria lead to more stringent requirements that are above and beyond those generally applied in planning, designing, constructing, commissioning, maintaining, and operating HVAC systems.

This standard sets values for certain parameters; identifies the suitability of possible design options;

establishes recommendations for zoning, controls and monitoring; and sets targets for energy conservation. This standard is not intended to dictate the design concepts, construction procedures, or operating and maintenance procedures, but rather to provide guidance that prompts discussion and helps in the formulation of rational, practical decisions.

## Nouvelles parutions en français

**B355-00, 4<sup>e</sup> édition**  
*Appareils élévateurs pour personnes handicapées* . . . 75 \$

Cette norme énonce les exigences minimales de conception, de construction, d'installation, de fonctionnement, d'inspection et de mise à l'essai des appareils élévateurs conçus spécialement pour le transport des personnes handicapées entre les divers niveaux d'un bâtiment ou d'une structure, dans le but d'assurer la protection contre le risque d'accidents associés au fonctionnement de ces appareils.

Les appareils élévateurs visés par cette norme sont les suivants :

- a) plates-formes verticales à gaine fermée ;
- b) plates-formes verticales à gaine non fermée ;
- c) fauteuils élévateurs d'escalier ;
- d) plates-formes d'escalier à gaine protégée ; et
- e) plates-formes d'escalier à gaine non protégée.

**CAN/CSA-ISO 5841-2-01, 2<sup>e</sup> édition**  
*Implants chirurgicaux—Stimulateurs cardiaques—Partie 2 : Établissement d'un rapport concernant le fonctionnement clinique de populations de générateurs d'impulsions ou de fils-électrodes* (norme ISO 5841-2:2000 adoptée, deuxième édition, 2000-10-15) . . . . . 75 \$

Cette norme spécifie les exigences que doivent remplir les rapports concernant le fonctionnement clinique chez l'homme, pour des échantillons de population de générateurs d'impulsions ou de fils-électrodes destinés à une implantation à long terme. Elle comprend les exigences générales qui concernent tous les rapports et les exigences supplémentaires qui concernent les rapports sur l'expérience cumulée avec les appareils ainsi que les estimations sur le fonctionnement clinique futur des appareils, le cas échéant.

Les annexes énoncent des critères de classification des appareils, des lignes directrices pour l'étude statistique (et présentent une discussion des résultats) et les motifs de la présente partie de l'ISO 5841.



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## Modifications publiées en français

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### CAN/CSA-B622-98

*Sélection et utilisation des citernes routières, des citernes de wagon-citerne à éléments multiples et des citernes amovibles pour le transport des marchandises dangereuses de la classe 2*

Des modifications ont été apportées à la table des matières, aux articles 4.4, 5.5 et 6.3, ainsi qu'aux tableaux 1 et 2. L'article 5.2.5 a été ajoutée.

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## Proposed New Projects

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For more information about the proposed development of the following new edition, contact Cathryn Cortissoz at 416-747-2594 or [cathryn.cortissoz@csa.ca](mailto:cathryn.cortissoz@csa.ca):

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

For more information about the proposed development of the following new edition, contact Ron Meyers at 416-747-2687 or [ron.meyers@csa.ca](mailto:ron.meyers@csa.ca):

- **Z795, 2nd edition**  
*Coding of Work Injury or Disease Information*

For more information about the proposed development of the following new edition, contact Dave Shanahan at 416-747-2586 or [dave.shanahan@csa.ca](mailto:dave.shanahan@csa.ca):

- **Z91, 5th edition**  
*Health and Safety Code for Suspended Equipment Operations*
- **Z611, 2nd edition**  
*Riot Helmets*

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## Proposed Adoption of Standards

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**Please note:** Public comments about proposed adoptions listed in this issue are due by January 7, 2002.

For more information about the proposed adoption of the following ANSI and IEC standards, or to offer comments, contact Ron Meyers at 416-747-2687 or [ron.meyers@csa.ca](mailto:ron.meyers@csa.ca):

- **ANSI/RIA R15.06-1999** (to be published by CSA as the 2nd edition of Z434)  
*Robot Safety*

- **IEC 73 (1996)** (to be published as the 2nd edition of Z431)  
*Basic and Safety Principles for Man-Machine Interface, Marking and Identification—Coding Principles for Indication Devices and Actuators*

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

- **IEC 60601-2-23 (1999-12)**  
*Medical Electrical Equipment—Part 2-23: Particular Requirements for the Safety, Including Essential Performance, of Transcutaneous Partial Pressure Monitoring Equipment*
- **IEC 60601-2-25-am1 (1999-05)**  
*Medical Electrical Equipment—Part 2: Particular Requirements for the Safety of Electrocardiographs. Amendment 1*
- **IEC 60601-2-30 (1999-12)**  
*Medical Electrical Equipment—Part 2-30: Particular Requirements for the Safety, Including Essential Performance, of Automatic Cycling Non-invasive Blood Pressure Monitoring Equipment*
- **IEC 60601-2-34 (2000-10)**  
*Medical Electrical Equipment—Part 2-34: Particular Requirements for the Safety, Including Essential Performance, of Invasive Blood Pressure Monitoring Equipment*

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## Drafts

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

To receive copies of the following draft standards, or to offer comments, contact Dave Shanahan at 416-747-2586 or [dave.shanahan@csa.ca](mailto:dave.shanahan@csa.ca):

- **Z94.3, 6th edition**  
*Selection, Use and Care Guide for Eye and Face Protection*
- **Z195, 5th edition**  
*Protective Footwear*

To receive copies of the following draft standards, or to offer comments, contact Paul Levine at 416-747-4172 or [paul.levine@csa.ca](mailto:paul.levine@csa.ca):

- **B620, 3rd edition**  
*Highway Tanks and Portable Tanks for the Transportation of Dangerous Goods*





- **B621, 3rd edition**  
*Selection and Use of Highway Tanks, Portable Tanks, Cargo Compartments, and Containers for the Transportation of Dangerous Goods, Classes 3, 4, 5, 6.1, 8, and 9*
- **B622, 3rd edition**  
*Selection and Use of Highway Tanks, Multi-Unit Tank Car Tanks and Portable Tanks for the Transportation of Dangerous Goods, Class 2*

To receive copies of the following draft standards, or to offer comments, contact Nancy Bestic at 416-747-2710 or nancy.bestic@csa.ca:

- **Z900.1, 1st edition**  
*Safety of Cells, Tissues, and Organs for Transplantation*
- **Z900.2.1, 1st edition**  
*Safety of Tissues for Assisted Reproduction* (Note: This title has been changed from "Safety of Reproductive Tissues for Transplantation," as listed in *Info Update 2001 Volume 1*)
- **Z900.2.2, 1st edition**  
*Safety of Tissues for Transplantation*
- **Z900.2.3, 1st edition**  
*Safety of Perfusable Organs for Transplantation*
- **Z900.2.4, 1st edition**  
*Safety of Ocular Tissues for Transplantation*

To receive copies of the following draft standards, or to offer comments, contact Ron Meyers at 416-747-2687 or ron.meyers@csa.ca:

- **B335, 2nd edition**  
*Industrial Lift Truck Operator Training*
- **B354.4, 2nd edition**  
*Boom-Type Elevating Work Platforms*
- **Z142, 4th edition**  
*Code for Punch Press and Brake Press*
- **Z248, 2nd edition**  
*Code for Tower Cranes*

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## Proposed Reaffirmation of Standards

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

- **CAN/CSA-Z615-87**  
*Code for Hot Forging Producers, Health and Safety Requirements*

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## Reaffirmed Standards

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- CAN/CSA-ISO 5841-1-97 (R2001)**  
*Cardiac Pacemakers—Part 1: Implantable Pacemakers*
- CAN/CSA-ISO 9703-1-97 (R2001)**  
*Anaesthesia and Respiratory Care Alarm Signals—Part 1: Visual Alarm Signals*
- CAN/CSA-ISO 9703-2-97 (R2001)**  
*Anaesthesia and Respiratory Care Alarm Signals—Part 2: Auditory Alarm Signals*
- CAN/CSA-ISO 10993-2-97 (R2001)**  
*Biological Evaluation of Medical Devices—Part 2: Animal Welfare Requirements*
- CAN/CSA-ISO 10993-3-97 (R2001)**  
*Biological Evaluation of Medical Devices—Part 3: Tests for Genotoxicity, Carcinogenicity and Reproductive Toxicity*
- CAN/CSA-ISO 10993-4-97 (R2001)**  
*Biological Evaluation of Medical Devices—Part 4: Selection of Tests for Interactions with Blood*
- CAN/CSA-ISO 10993-6-97 (R2001)**  
*Biological Evaluation of Medical Devices—Part 6: Tests for Local Effects After Implantation*
- CAN/CSA-Z364.1.1-94 (R2001)/CAN/CSA-Z364.1.2-94 (R2001)**  
*Haemodialyzers, Haemofilters, and Haemoconcentrators/ Extracorporeal Blood Circuit for Haemodialyzers, Haemofilters, and Haemoconcentrators*
- Z364.2.1-94 (R2001)**  
*Fluid Supply and Monitoring Systems for Haemodialysis*

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## Withdrawn Standards

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

- **ISO 668:1979**  
*Series 1 Freight Containers—Classification, External Dimensions and Ratings*
- **ISO 830:1981**  
*Freight Containers—Terminology*
- **ISO 1161:1984**  
*Series 1 Freight Containers—Corner Fittings—Specification*



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## Certification Notices

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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

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## Status of CSA Standards Projects

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

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

2 *The technical content is being drafted.*

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

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

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

H *The publication is on hold.*

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

SUBJECT	NUMBER	TYPE	STATUS
<b>Health Care Technology</b>			
Implants for Surgery—Cardiac Pacemakers—Part 3: Low-Profile Connectors (IS-1) for Implantable Pacemakers	ISO 5841-3	ne	5
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	3
Medical Devices—Symbols to Be Used with Medical Device Labels, Labelling and Information to Be Supplied	ISO 15223	ns	H
Metered Dose Inhaler Spacer Device	Z264.1	ns	5
Medical Electrical Equipment—Particular Requirements for Safety of Medical Supply Units	Z305.8	ns	4
Disinfectants	Z314.11	ns	H
Selection and Use of Rigid Sterilization Containers	Z314.14	ne	3
Area Measurement for Health Care Facilities	Z317.11	ne	3
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	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
Nonflammable Medical Gas Pipeline Systems—Part 1: Pipelines for Compressed Medical Gases and Vacuum	Z7396.1	ns	3



<b>SUBJECT</b>	<b>NUMBER</b>	<b>TYPE</b>	<b>STATUS</b>
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
<b>Mechanical Industrial Equipment</b>			
Elevator and Escalator Electrical Equipment	B44.1	ne	4
Safety Code for Manlifts	B311	ne	4
Cylinders, Spheres and Tubes for the Transportation of Dangerous Goods	B339	ne	4
Selection and Use of Cylinders, Spheres, Tubes, and Other Containers for the Transportation of Dangerous Goods, Class 2	B340	ne	4
<b>Community and Personal Issues</b>			
Barrier-Free Design	B651	ne	1
Design for Aging	B659	ns	5
Motor Vehicles for the Transportation of Physically Disabled Persons	D409	ne	4
Transit Vehicles for the Transportation of Persons with Physical Disabilities	D435	ns	2
Over-the-road Buses for the Transportation of Persons with Physical Disabilities	D436	ns	2
Dimensions for Facially-Featured Headforms	Z262.6	ns	4
Racquet Sports Eye Protection	Z400	ns	1
<b>Occupational Health and Safety</b>			
Industrial Lift Truck Operator Training	B335	ne	3
Elevating Rolling Work Platforms	B354.1	ne	2
Boom-Type Elevating Work Platforms	B354.4	ne	4
Mast Climbers	B354.5	ns	2
Lighting and Marking of Agricultural Field Equipment on Highways	M669	ne	1
Agricultural Tractors—Operator's Seating Accommodation—Dimensions	M4253	ns	H
Chain Saws	Z62.1	ne	2
Health and Safety Code for Suspended Equipment Operations	Z91	ne	3
Hearing Protection	Z94.2	ne	4
Eyewear User Guide	Z94.3.1	spec	2
Selection, Use, and Care of Respirators	Z94.4	ne	3
High-Visibility Safety Apparel	Z96	ns	2
Code for Punch Press and Brake Press Operation: Health, Safety, and Guarding Requirements	Z142	ne	3
Protective Footwear	Z195	ne	4
Footwear User Guide	Z195.1	spec	4
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
Fall Restrict Equipment for Wood Pole Climbing	Z259.14	ns	5
Hyperbaric Facilities	Z275.1	ne	2
Safety Code for Diving Operations	Z275.2	ne	2
Competency Standard for Diving Operations	Z275.4	ne	2
Riot Helmets and Faceshields	Z611	ne	2



# Electrical/Electronics

## New Standards & Editions

**C22.2 No. 107.1-01, 3rd edition**  
*General Use Power Supplies* . . . . . \$95

This standard applies to ac and dc type power supplies, including rack-mounted and modular units, with all of the following characteristics:

- of dry or liquid-filled construction
- with a rated voltage not exceeding 600 V
- for commercial, industrial, and residential indoor and outdoor use in nonhazardous locations in accordance with the rules of the *Canadian Electrical Code, Part I*.

These power supplies may include battery-charging functions.

**C22.2 No. 108-01, 4th edition**  
*Liquid Pumps* . . . . . \$80

This standard applies to motor-operated liquid pump units, for use in nonhazardous, indoor, outdoor (exposed), and submerged locations, and designed to be used in accordance with the rules of the *Canadian Electrical Code, Part I*.

This standard applies to the following pumps:

- pumps for either permanent or cord-connection to the source of supply
- cord- and plug-connected pumps
- component-type pump units intended to be built into equipment covered by another standard of the *Canadian Electrical Code, Part II*.

This standard does not apply to pumps for hazardous locations or pumps required to handle flammable liquids, such as gasoline pumps.

**CAN/CSA-E60335-2-6-01, 2nd edition (bilingual)**  
*Safety of Household and Similar Electrical Appliances—Part 2: Particular Requirements for Stationary Cooking Ranges, Hobs, Ovens and Similar Appliances*  
(Adopted CEI/IEC 60335-2-6:1997, 4th edition, 1997-05, including Amendment 1:2000, with Canadian deviations) . . . . . \$115

This standard deals with the safety of stationary electric cooking ranges, hobs, ovens and similar appliances for household use, with a rated voltage of not more than 250 V for single-phase appliances connected between one phase and neutral, and 480 V for other appliances.

Examples of appliances within the scope of this standard include the following:

- stationary grills
- stationary griddles
- pyrolytic self-cleaning ovens
- induction hobs
- steam ovens
- the electrical part of appliances supplied with energy other than electricity.

**CAN/CSA-E60335-2-32-01, 2nd edition (bilingual)**  
*Safety of Household and Similar Electrical Appliances—Part 2: Particular Requirements for Massage Appliances*  
(Adopted CEI/IEC 335-2-32:1993, 3rd edition, 1993-12, including Amendment 1:1999) . . . . . \$40

This standard deals with the safety of electric massage appliances for household and similar purposes, with a rated voltage of not more than 250 V for single phase appliances and 480 V for other appliances.

Examples of appliances within the scope of this standard include the following:

- hand-held massagers
- foot massagers
- massage belts
- massage pads
- massage chairs
- massage beds.

Appliances not intended for normal household use but that nevertheless may be a source of danger to the public, such as appliances intended to be used by laypeople in shops, in light industry and on farms, are within the scope of this standard. Examples of such appliances are those used in beauty parlours and fitness centres.

## Nouvelles parutions en français

**CAN/CSA-E60335-2-6-01, 2<sup>e</sup> édition (bilingue)**  
*Sécurité des appareils électrodomestiques et analogues—Partie 2 : Règles particulières pour les cuisinières, les tables de cuisson, les fours et appareils fixes analogues*  
(norme CEI/IEC 60335-2-6:1997 adoptée, 4<sup>e</sup> édition, 1997-05, y compris l'amendement 1:2000, et les exigences propres aux Canada) . . . . . 115 \$

Cette norme traite de la sécurité des cuisinières, tables de cuisson, fours électriques fixes et appareils analogues pour usages domestiques, dont la tension assignée n'est pas supérieure à 250 V pour les appareils monophasés raccordés entre une phase et le neutre, et à 480 V pour les autres appareils.



## Nouvelles parutions (suite)

Comme exemples d'appareils compris dans le domaine d'application de la présente norme on peut citer :

- les grilles fixes ;
- les grills par contact fixes ;
- les fours autonettoyants par pyrolyse ;
- les tables de cuisson à induction ;
- les fours à vapeur ;
- la partie électrique des appareils alimentés avec une énergie autre que l'électricité.

**CAN/CSA-E60335-2-32-01, 2<sup>e</sup> édition (bilingue)**  
*Sécurité des appareils électrodomestiques et analogues—*  
*Partie 2 : Règles particulières pour les appareils de*  
*massage* (norme CEI/IEC 335-2-32:1993 adoptée,  
 3<sup>e</sup> édition, 1993-12, y compris  
 l'amendement 1:1999) . . . . . 40 \$

Cette norme traite de la sécurité des appareils électriques de massage pour usages domestiques et analogues et dont la tension assignée n'est pas supérieure à 250 V pour les appareils monophasés et 480 V pour les autres appareils.

Comme exemples d'appareils entrant dans le domaine d'application de cette norme on peut citer :

- les appareils de massage portatifs ;
- les appareils de massage des pieds ;
- les ceintures de massage ;
- les coussins de massage ;
- les chaises de massage ;
- les lits de massage.

Les appareils non destinés à un usage domestique normal, mais qui néanmoins peuvent constituer une source de danger pour le public, tels que les appareils destinés à être utilisés par des usagers non avertis dans des magasins, chez des artisans et dans des fermes, sont compris dans le domaine d'application de la présente norme. Comme exemples de tels appareils on peut citer les appareils utilisés dans les salons de beauté et les centres de mise en forme.

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## Amendments

**C22.2 No. 55-M1986**  
*Special Use Switches*

Amendment of Clause 1.2 (c).

**C22.2 No. 123-96**  
*Aluminum Sheathed Cables*

Amendment of the Contents, Clauses 4.6.2, 4.6.3.1, and 6.8, and Tables 6 and 12. Addition of Clauses 4.6.3.3, 6.15, and 6.16. Deletion of Clause 5.1.1.4 (c).

**C22.2 No. 203.1-94**  
*Manufactured Wiring Systems*

Amendment of Clause 6.2.2. Addition of Clauses 6.2.3 and 6.2.4.

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## Modifications publiées en français

**CAN/CSA-C22.2 n° 60950-00**  
*Sécurité des matériels de traitement de l'information*

Des modifications ont été apportées au sous-comité sur la C22.2 n° 950.

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## Proposed New Projects

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

- **CAN/CSA-C2, 9th edition**  
*Single-Phase and Three-Phase Liquid-Filled Distribution Transformers*
- **CAN/CSA-C2.2, 1st edition**  
*Pole-Mounted, Single-Phase Distribution Transformers for Electric Utilities*
- **C22.2 No. 66, 4th edition**  
*Specialty Transformers*
- **CAN/CSA-C227.3, 4th edition**  
*Low-Profile, Single-Phase, Pad-Mounted Distribution Transformers with Separable Insulated High-Voltage Connectors*
- **CAN/CSA-C227.4, 2nd edition**  
*Three-Phase, Pad-Mounted Distribution Transformers with Separable Insulated High-Voltage Connectors*

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

- **C22.2 No. 14, 10th edition**  
*Industrial Control Equipment*



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## Proposed Adoption of Standards

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**Note:** Public comments about proposed adoptions listed in this issue are due by January 7, 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 60079-1 (2001-02)** (to be adopted with modifications)  
*Electrical Apparatus for Explosive Gas Atmospheres—Part 1: Flameproof Enclosures "d"*
- **IEC 60730-2-3 am2 (2001-02)** (to be adopted with modifications)  
*Automatic Electrical Controls for Household and Similar Use—Part 2: Particular Requirements for Thermal Protectors for Ballasts for Tubular Fluorescent Lamps. Amendment 2*
- **IEC 60730-2-8 (2000-02)** (to be adopted with modifications)  
*Automatic Electrical Controls for Household and Similar Use—Part 2: Particular Requirements for Electrically Operated Water Valves, Including Mechanical Requirements*
- **IEC 60730-2-9 (2000-05)** (to be adopted with modifications)  
*Automatic Electrical Controls for Household and Similar Use—Part 2: Particular Requirements for Temperature Sensing Controls*
- **IEC 60730-2-10 am2 (2001-02)** (to be adopted with modifications)  
*Automatic Electrical Controls for Household and Similar Use—Part 2: Particular Requirements for Electrically Operated Motor Starting Relays. Amendment 2*
- **IEC 60730-2-11 am1 (1994-11)** (to be adopted with modifications)  
*Automatic Electrical Controls for Household and Similar Use—Part 2: Particular Requirements for Energy Regulators. Amendment 1*
- **IEC 60730-2-11 am2 (1997-04)** (to be adopted with modifications)  
*Automatic Electrical Controls for Household and Similar Use—Part 2: Particular Requirements for Energy Regulators. Amendment 2*

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## Reaffirmed Standards

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- CAN/CSA-C2-M91 (R2001)**  
*Single-Phase and Three-Phase Distribution Transformers, Types ONAN and LNaN*
- C9-M1981 (R2001)**  
*Dry-Type Transformers*
- C9.1-M1981 (R2001)**  
*Guide for Loading Dry-Type Distribution and Power Transformers*
- CAN/CSA-C22.2 No. 0-M91 (R2001)**  
*General Requirements—Canadian Electrical Code, Part II*
- CAN/CSA-C22.2 No. 0.16-M92 (R2001)**  
*Measurement of Harmonic Currents*
- CAN/CSA-C22.2 No. 47-M90 (R2001)**  
*Air-Cooled Transformers (Dry-Type)*
- CAN/CSA-C22.2 No. 130.1-M90 (R2001)**  
*Heat-Tracing Cable Systems for Use in Industrial Locations*
- C22.2 No. 231 Series-M89 (R2001)**  
*Safety Requirements for Electrical and Electronic Measuring and Test Equipment*
- CAN/CSA-C22.3 No. 1-M87 (R2001)**  
*Overhead Systems*
- CAN/CSA-C68.3-97 (R2001)**  
*Shielded and Concentric Neutral Power Cables Rated 5–46kV*
- CAN/CSA-C227.3-M91 (R2001)**  
*Low-Profile, Single-Phase, Dead-Front, Pad-Mounted Distribution Transformers*
- C301.2-M1979 (R2001)**  
*Three-Phase Submersible Distribution Transformers*



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

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<b>Date</b>	<b>Subject</b>	<b>Title</b>
May 31, 2001	Publication of Technical Information Letter (TIL) No. D-25, covering interim certification requirements for pressurized gas-insulated switchgear.	Industrial Control Equipment No. 8
July 27, 2001	Publication of Technical Information Letter (TIL) No. J-29A, covering interim certification requirements for appliance wiring material in wire sizes 501 to 2000 kcmil.	Wire and Cable No. 93
August 10, 2001	Publication of amendment to CSA standard C22.2 No. 75-M1983, <i>Thermoplastic Insulated Wires and Cables</i> .	Wire and Cable No. 94
September 7, 2001	Publication of CSA standard CAN/CSA-E61965 and UL standard 61965, <i>Mechanical Safety of Cathode Ray Tubes</i> .	Audio and Video Equipment No. 13
September 10, 2001	Publication of Technical Information Letter (TIL) No. R-10, covering interim certification requirements for thermoelectric generators.	Thermoelectric Generators No. 1
September 28, 2001	Publication of Technical Information Letter (TIL) No. J-30, covering interim certification requirements for heating cable systems for use in other than industrial establishments.	Wire and Cable No. 95

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## Certification Notices

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

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
November 30, 2001	Technical Information Letter (TIL) No. B-58B, covering interim certification requirements for landscape lighting. (Supersedes "Lighting Products No. 18A.")	Lighting Products No. 34
▶ March 1, 2002	Interim certification requirements for flexible light cable systems.	Lighting Products No. 37
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



## Status of CSA Standards Projects

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

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

2 The technical content is being drafted.

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

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

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

H The publication is on hold.

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

SUBJECT	NUMBER	TYPE	STATUS
<b>Wiring Products</b>			
Conduit and Cable Fittings	C22.2 No. 18.3	ns	3
Wire-Positioning Devices	C22.2 No. 18.5	ns	3
Lampholders	C22.2 No. 43	ne	1
Flexible Cords and Cables	C22.2 No. 49	ne	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	3
Non-metallic Cable Tray Systems	C22.2 No. 126.2	ns	3
Heat Tracing Cable Systems for Ordinary and Hazardous Locations	C22.2 No. 130	ne	4
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	4
Liquid-Tight Flexible Nonmetallic Conduit	C22.2 No. 227.2.1	ns	3
Flexible Non-metallic Tubing	C22.2 No. 227.3	ne	1
<b>Industrial Products</b>			
Adhesive Labels	C22.2 No. 0.15	ne	4
Enclosed Switches	C22.2 No. 4	ne	3
Moulded Circuit Breakers	C22.2 No. 5	ne	4
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
Electrical Apparatus for Explosive Gas Atmospheres—			
— Part 0: General Requirements	E60079-0	ne	3
— Part 2: Electrical Apparatus–Type of Protection "P"	E60079-2	ne	3
— Part 5: Powder Filling "Q"	E60079-5	ne	3
— Part 6: Oil Immersion "O"	E60079-6	ne	3
— Part 11: Intrinsic Safety "I"	E60079-11	ne	3
— Part 14: Electrical Installations in Explosive Gas Atmospheres (Other Than Mines)	E60079-14	ne	3
— Part 15: Electrical Apparatus with Type of Protection "N"	E60079-15	ne	3
Arc Welding Equipment–Part 7: Torches	E60974-7	ns	3
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	3





## Consumer and Commercial Products

Landscape Lighting	C22.2 No. 9.1	ns	H
Portable Luminaires	C22.2 No. 9.12	ne	1
Christmas Tree and other Decorative Lighting Outfits	C22.2 No. 37	ne	1
Humidifiers	C22.2 No. 104	ne	4
Electrostatic Air Cleaners	C22.2 No. 187	ne	3
Radiant Space Heating Panels, Panel Sets, and Systems	C22.2 No. 217	ne	H
Safety of Household and Similar Electrical Appliances–Part 1: General Requirements	E60335-1/4E	ne	3
Safety of Household and Similar Electrical Appliances–Part 2: Particular Requirements —			
— Commercial Electric Cooking Ranges, Ovens, Hobs and Hob Elements	E60335-2-36	ne	5
— Commercial Electric Deep Fat Fryers	E60335-2-37	ne	5
— Commercial Electric Griddles and Griddle Grills	E60335-2-38	ne	5
— Commercial Electric Multi-purpose Cooking Pans	E60335-2-39	ne	5
— Commercial Electric Forced Convection Ovens, Steam Cookers and Steam-convection Ovens	E60335-2-42	ne	5
— Commercial Electric Boiling Pans	E60335-2-47	ne	5
— Commercial Electric Grillers and Toasters	E60335-2-48	ne	5
— Commercial Electric Hot Cupboards	E60335-2-49	ne	5
— Commercial Electric Bains-marie	E60335-2-50	ne	5
— Commercial Electric Kitchen Machines	E60335-2-64	ne	5
Luminaires–Part 1: General Requirements and Tests	E60598-1	ne	3
Luminaires–Part 2: Particular Requirements–Section 5: Floodlights	E60598-2-5	ne	3
Automatic Electrical Controls for Household and Similar Use —			
— Part 1: General Requirements	E60730-1/3E	ne	3
— Part 2: Electrically Operated Water Valves, Including Mechanical Requirements	E60730-2-8	ne	3
— Part 2: Temperature Sensing Controls	E60730-2-9	ne	3

## CE Code, Part III – Outside Wiring

Overhead Systems	C22.3 No. 1	ne	5
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## Electrical Engineering

Zinc-coated Steel Wires for Overhead Line Conductors	IEC 60888	ns	3
Hard-drawn Aluminium Wire for Overhead Line Conductors	IEC 60889	ns	3
Aluminium-Magnesium-Silicon Alloy Wire for Overhead Line Conductors	IEC 60104	ns	3
Round Wire Concentric Lay Overhead Electrical Standed 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	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



## Reaffirmed Standards

Z760-94 (R2001)  
*Life Cycle Assessment*

## 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.

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SUBJECT	NUMBER	TYPE	STATUS
<b>Environmental Technology</b>			
Audiometers	Z107.4	ne	2
Audiometry Procedures	Z107.6	ne	1
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	1
Measurement of Sound and Vibration Due to Blasting Operations	Z107.54	ne	1
Recommended Practice for the Prediction of Sound Levels Received at a Distance from an Industrial Plant	Z107.55	ne	1
Monitoring Noise Around Industrial Complexes	Z107.57	ns	1
Noise Emission Declarations	Z107.58	ns	1
<b>Environmental Management Systems</b>			
The SFM Essentials	PLUS 1136	spec	1
Beyond EMS: Moving Toward Sustainability Through Strategic Environmental Management	PLUS 1148	spec	C
Guide to ISO 14001/4 and Legal Compliance in Canada	PLUS 1162	spec	5
Environmental Site Assessment	ISO 14015	ns	4
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



## Proposed Adoption of Standards

**Please note:** Public comments about proposed adoptions listed in this issue are due by January 7, 2002.

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

- **ISO/IEC 1539-3:1999 (First edition)**  
(Corrected and reprinted 2000-12-15)  
*Information Technology—Programming Languages—FORTRAN—Part 3: Conditional Compilation*
- **ISO/IEC 7816-7:1999 (First edition)**  
*Identification Cards—Integrated Circuit(s) Cards with Contacts—Part 7: Inter-industry Commands for Structured Card Query Language (SCQL)*
- **ISO/IEC 7816-8:1999 (First edition)**  
*Identification Cards—Integrated Circuit(s) Cards with Contacts—Part 8: Security Related Inter-industry Commands*
- **ISO/IEC 7816-10:1999 (First edition)**  
(Corrected and reprinted 2000-02-15)  
*Identification Cards—Integrated Circuit(s) Cards with Contacts—Part 10: Electronic Signals and Answer to Reset for Synchronous Cards*
- **ISO/IEC 7942-3:1999 (First edition)**  
*Information Technology—Computer Graphics and Image Processing—Graphical Kernel Systems (GKS)—Part 3: Audit Trail*
- **ISO/IEC 8824-2:1998/Amd 1:2000**  
*Information Technology—Abstract Syntax Notation One (ASN.1): Information Object Specification. Amendment 1: ASN.1 Semantic Model*
- **ISO/IEC 8825-1:1998/Amd 1:2000**  
*Information Technology—ASN.1 Encoding Rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER). Amendment 1: Relative Object Identifiers*
- **ISO/IEC 8859-1:1998 (First edition)**  
*Information Technology—8-bit Single-byte Coded Graphic Character Sets—Part 1: Latin Alphabet No. 1*
- **ISO/IEC 8859-2:1999 (First edition)**  
*Information Technology—8-bit Single-byte Coded Graphic Character Sets—Part 2: Latin Alphabet No. 2*
- **ISO/IEC 8859-3:1999 (First edition)**  
*Information Technology—8-bit Single-byte Coded Graphic Character Sets—Part 3: Latin Alphabet No. 3*
- **ISO/IEC 8859-4:1998 (First edition)**  
*Information Technology—8-bit Single-byte Coded Graphic Character Sets—Part 4: Latin Alphabet No. 4*
- **ISO/IEC 8859-5:1999 (Second edition)**  
*Information Technology—8-bit Single-byte Coded Graphic Character Sets—Part 5: Latin/Cyrillic Alphabet*
- **ISO/IEC 8859-6:1999 (First edition)**  
*Information Technology—8-bit Single-byte Coded Graphic Character Sets—Part 6: Latin/Arabic Alphabet*
- **ISO/IEC 8859-8:1999 (First edition)**  
*Information Technology—8-bit Single-byte Coded Graphic Character Sets—Part 8: Latin/Hebrew Alphabet*
- **ISO/IEC 8859-9:1999 (Second edition)**  
*Information Technology—8-bit Single-byte Coded Graphic Character Sets—Part 9: Latin Alphabet No. 5*
- **ISO/IEC 9040:1997 (Second edition)**  
*Information Technology—Open Systems Interconnection—Virtual Terminal Basic Class Service*
- **ISO/IEC 9075-1:1999 (First edition)**  
*Information Technology—Database Languages—SQL—Part 1: Framework (SQL/Framework)*
- **ISO/IEC 9075-2:1999 (First edition)**  
*Information Technology—Database Languages—SQL—Part 2: Foundation (SQL/Foundation)*
- **ISO/IEC 9075-4:1999 (Second edition)**  
*Information Technology—Database Languages—SQL—Part 4: Persistent Stored Modules (SQL/PSM)*
- **ISO/IEC 9075-5:1999 (First edition)**  
*Information Technology—Database Languages—SQL—Part 5: Host Language Bindings (SQL/Bindings)*
- **ISO/IEC 9075:1999/Cor 1:2000**  
This Technical Corrigendum covers 9075-1, 9075-2, 9075-3, 9075-4 and 9075-5.
- **ISO/IEC 9314-4:1999 (First edition)**  
*Information Technology—Fibre Distributed Data Interface (FDDI)—Part 4: Single-mode Fibre Physical Layer Medium Dependent (SMF-PMD)*



## Proposed Adoptions (cont'd)

- **ISO/IEC 9797-1:1999 (First edition)**  
*Information Technology–Security Techniques–Message Authentication Codes (MACs)–Part 1: Mechanisms Using a Block Cipher*
- **ISO/IEC 9798-5:1999 (First edition)**  
*Information Technology–Security Techniques–Entity Authentication–Part 5: Mechanisms Using Zero Knowledge Techniques*
- **ISO/IEC 10742:1994/Amd 1:1995/Cor 1:1999**  
*Information Technology–Telecommunications and Information Exchange Between Systems–Elements of Management Information Related to OSI Data Link Layer Standards. Amendment 1: Addition of DCE Conditions and New Attributes. Technical Corrigendum 1 (to the amendment)*
- **ISO/IEC 14496-2:1999 (First edition)**  
*Information Technology–Coding of Audio-visual Objects–Part 2: Visual*
- **ISO/IEC 14496-2:1999/Amd 1:2000**  
*Information Technology–Coding of Audio-visual Objects–Part 2: Visual. Amendment 1: Visual Extensions*
- **ISO/IEC 14496-2:1999/Cor 1:2000**  
*Information Technology–Coding of Audio-visual Objects–Part 2: Visual. Technical Corrigendum 1*
- **ISO/IEC 14496-2:1999/Cor 2:2000**  
*Information Technology–Coding of Audio-visual Objects–Part 2: Visual. Technical Corrigendum 2*
- **ISO/IEC 14496-3:1999 (First edition)**  
*Information Technology–Coding of Audio-visual Objects–Part 3: Audio*
- **ISO/IEC 14496-3:1999/Amd 1:2000**  
*Information Technology–Coding of Audio-visual Objects–Part 3: Audio. Amendment 1: Audio Extensions*
- **ISO/IEC 14598-1:1999 (First edition)**  
*Information Technology–Software Product Evaluation–Part 1: General Overview*
- **ISO/IEC 14598-4:1999 (First edition)**  
*Software Engineering–Product Evaluation–Part 4: Process for Acquirers*
- **ISO/IEC 14763-1:1999 (First edition)**  
*Information Technology–Implementation and Operation of Customer Premises Cabling–Part 1: Administration*
- **ISO/IEC 14776-411:1999 (First edition)**  
*Information Technology–SCSI-3 Architecture Model (SCSI-3 SAM)*
- **ISO/IEC 14888-2:1999 (First edition)**  
*Information Technology–Security Techniques–Digital Signatures with Appendix–Part 2: Identity-based Mechanisms*
- **ISO/IEC 15068-2:1999 (First edition)**  
(ANSI/IEEE Std 1387.2)  
*Information Technology–Portable Operating System Interface (POSIX) System Administration–Part 2: Software Administration*
- **ISO/IEC 15408-1:1999 (First edition)**  
*Information Technology–Security Techniques–Evaluation Criteria for IT Security–Part 1: Introduction and General Model*
- **ISO/IEC 15408-2:1999 (First edition)**  
*Information Technology–Security Techniques–Evaluation Criteria for IT Security–Part 2: Security Functional Requirements*
- **ISO/IEC 15408-3:1999 (First edition)**  
*Information Technology–Security Techniques–Evaluation Criteria for IT Security–Part 3: Security Assurance Requirements*
- **ISO/IEC 15459-1:1999 (First edition)**  
*Information Technology–Unique Identification of Transport Units–Part 1: General*
- **ISO/IEC 15459-2:1999 (First edition)**  
*Information Technology–Unique Identification of Transport Units–Part 2: Registration Procedures*
- **ISO/IEC 16500-1:1999 (First edition)**  
*Information Technology–Generic Digital Audio-visual Systems–Part 1: System Reference Models and Scenarios*
- **ISO/IEC 16500-2:1999 (First edition)**  
*Information Technology–Generic Digital Audio-visual Systems–Part 2: System Dynamics, Scenarios and Protocol Requirements*
- **ISO/IEC 16500-3:1999 (First edition)**  
*Information Technology–Generic Digital Audio-visual Systems–Part 3: Contours: Technology Domain*
- **ISO/IEC 16500-4:1999 (First edition)**  
*Information Technology–Generic Digital Audio-visual Systems–Part 4: Lower-layer Protocols and Physical Interfaces*



## Proposed Adoptions (cont'd)

- ISO/IEC 16500-5:1999 (First edition)  
*Information Technology—Generic Digital Audio-visual Systems—Part 5: High and Mid-layer Protocols*
- ISO/IEC 16500-6:1999 (First edition)  
*Information Technology—Generic Digital Audio-visual Systems—Part 6: Information Representation*
- ISO/IEC 16500-7:1999 (First edition)  
*Information Technology—Generic Digital Audio-visual Systems—Part 7: Basic Security Tools*
- ISO/IEC 16500-8:1999 (First edition)  
*Information Technology—Generic Digital Audio-visual Systems—Part 8: Management Architecture and Protocols*
- ISO/IEC 16500-9:1999 (First edition)  
*Information Technology—Generic Digital Audio-visual Systems—Part 9: Usage Information Protocols*

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## Status of CSA Standards Projects

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

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

2 The technical content is being drafted.

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

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

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

**H** The publication is on hold.

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

SUBJECT	NUMBER	TYPE	STATUS
<b>Telecommunications/Information Technology</b>			
Information Technology Vocabulary	Z243.58	ne	H
<b>Telecommunications</b>			
Telecommunications—Telephone Terminal Equipment—Requirements for Pay Telephone Keypads and Function Keys with Particular Consideration for Use by Persons with Disabilities	T516	ns	3

## Drafts

**Please note:** Public comments about the draft standards and proposed amendments listed in this issue are due by January 7, 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](mailto:ian.brodie@csa.ca):

- **Z234.3, 3rd edition**  
*Guide for the Selection and Use of Preferred Numbers*

## Proposed Withdrawal of Standards

CSA proposes to withdraw its endorsement of the following endorsed standards. For more information, contact Ian Brodie at 416-747-2670 or [ian.brodie@csa.ca](mailto:ian.brodie@csa.ca):

- **ANSI PH1.10-1976**  
*Dimensions for Unperforated and Perforated Photographic Film in Rolls Including Leaders and Trailers, for Aerial and Related Uses*
- **ANSI/IEEE 91-1984**  
*Graphic Symbols for Logic Functions*
- **ANSI/IEEE 315-1975**  
*Graphic Symbols for Electrical and Electronic Diagrams (Including Reference Designation Class Designation Letters)*

- **ANSI/IEEE 315A-1986**  
*Supplement to ANSI/IEEE 315-1975*
- **IEEE 200-1975**  
*Reference Designations for Electrical and Electronic Diagrams (Including Reference Designation Class Designation Letters)*
- **ISO 2901:1977**  
*ISO Metric Trapezoidal Screw Threads—Basic Profile and Maximum Material*
- **ISO 2902:1977**  
*ISO Metric Trapezoidal Screw Threads—General Plan*
- **ISO 2903:1977**  
*ISO Metric Trapezoidal Screw Threads—Tolerances*
- **ISO 2904:1977**  
*ISO Metric Trapezoidal Screw Threads—Basic Dimensions*

For more information about the proposed withdrawal of the following CSA standards, contact Ian Brodie at 416-747-2670 or [ian.brodie@csa.ca](mailto:ian.brodie@csa.ca):

- **B95-1962 (R1996)**  
*Surface Texture (Roughness, Waviness, and Lay)*
- **CAN3-B232-75 (R1996)**  
*Keys, Keyseats and Keyways*

## Status of CSA Standards Projects

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

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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.  
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SUBJECT	NUMBER	TYPE	STATUS
<b>Quality Assurance</b>			
Quality Assurance Requirements for Measuring Equipment	ISO 10012	ne	2
Guideline for Developing Quality Manuals	ISO 10013	ns	4
Guidelines on Quality and/or Environmental Managing Systems Auditing	ISO 19011	ns	2
Generally Accepted Management Principles and Practices	Q900.1	spec	C



# Construction Products and Materials

## New Standards & Editions

**O86-01, 8th edition**  
*Engineering Design in Wood* . . . . . \$80

This standard provides criteria for the structural design and appraisal of structures or structural elements made from wood or wood products, including graded lumber, glued-laminated timber, unsanded plywood, oriented strandboard (OSB), composite building components, shearwalls and diaphragms, timber piling, pole-type construction, prefabricated wood I-joists, structural composite lumber products, preserved wood foundations, and their structural fastenings. The standard uses the limit states design method.

**S37-01, 6th edition**  
*Antennas, Towers, and Antenna-Supporting Structures* . . . . . \$80

This standard applies to structural antennas, towers, antenna-supporting structures, and roof- and wall-mounted structures, including their components, such as guys and foundations. It covers the structural design, fabrication, and erection of new structures, and the modification of existing structures. Most types of structural antennas, antenna towers, and antenna-supporting structures are covered.

**W178.2-01, 4th edition**  
*Certification of Welding Inspectors* . . . . . \$35

This standard outlines a means for certifying eligible welding inspectors by examination in one of three levels. It describes the responsibilities associated with each level and the basic technical functions of welding inspectors. This standard also outlines a means of registering welding inspection trainees.

This standard specifies a means for periodically reviewing a welding inspector's certification and includes a requirement for vision tests.

This standard, by including a code of ethics for the welding inspector, defines principles of practice and conduct for maintaining certification.

To help candidates prepare for examinations, this standard includes recommended course guidelines covering welding fundamentals, welding inspection, and welding metallurgy. In addition, it includes lists of relevant standards and of recommended courses and reference material.

## Amendments

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

Amendment of the outside and inside front covers, and the title pages.

**CAN/CSA-Z240 MH Series-92**  
*Mobile Homes*

Revision of Table 7 in Z240.2.1.

## Modifications publiées en français

**CAN/CSA-A23.1-00/A23.2-00**  
*Béton : constituants et exécution des travaux/ Essais concernant le béton*

Des modifications ont été apportées à la première de couverture, à la deuxième de couverture ainsi qu'aux pages titres.

## Drafts

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

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

- **S471, 3rd edition**  
*General Requirements, Design Requirements, Design Criteria, the Environment, and Loads*
- **S472, 3rd edition**  
*Foundations*
- **S473, 3rd edition**  
*Steel Structures*
- **S474, 3rd edition**  
*Concrete Structures*
- **S475, 3rd edition**  
*Sea Operations*



## Drafts (cont'd)

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

- **B137 Series, proposed revisions**  
*Thermoplastic Pressure Piping Compendium*  
Several proposed revisions to the compendium are now available for public review. They will be published as amendments in Fall 2003.
- **B1800, proposed revisions**  
*Plastic Nonpressure Pipe Compendium*  
Several proposed revisions to the compendium are now available for public review. They will be published as amendments in Fall 2003.
- **Z240 RV Series-99, proposed revisions**  
*Recreational Vehicles*  
Proposed revisions of various clauses in the series.

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## Withdrawn Standards

G279-M1982 (R1998)

*Steel for Prestressed Concrete Tendons  
(Metric version)*

G279-1975 (R1998)

*Steel for Prestressed Concrete Tendons  
(Imperial version)*

CAN3-G279.2-M84 (R1998)

*Steel Wire in Mill Coils for Prestressed Concrete  
Railroad Ties*

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## Proposed Reaffirmation of Standards

For more information about the proposed reaffirmation of the following standard, contact Lawrence Fogwill at 416-747-2720 or lawrence.fogwill@csa.ca:

- **W186-M1990 (R1998)**  
*Welding of Reinforcing Bars in Reinforced Concrete Construction*

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## Formal Interpretations

The following interpretations have been approved by the Technical Committee on Concrete Materials and Construction (CSA A23.1/A23.2).

### Re: CSA A23.1, Clause 12.7.2.4

**Question:** Do precast concrete supports meet the requirements of clause 12.7.2.4?

**Answer:** Yes, provided that the precast bar supports comply with clause 12.7.2.6.

**Question:** Do plastic supports, because of poor bonding and thermal incompatibility, fail to meet the requirements of clause 12.7.2.4?

**Answer:** Not necessarily. The determination should be made by the Owner for the specific application.

**Question:** Do bare steel supports, because of conductivity, fail to meet the requirements of clause 12.7.2.4?

**Answer:** Yes.

**Question:** Do plastic coated steel supports meet the requirements of clause 12.7.2.4?

**Answer:** Not necessarily. The determination should be made by the Owner for the specific application.

### Re: CSA A23.1, Table 12

**Question:** Was it the intent of the committee to leave "cementing materials with equivalent performance" out of the S-1 and S-2 exposure classes?

**Answer:** No. This was not the intent of the committee. Refer to the footnotes to Table 12 for further clarification.

**Question:** Was it the intent of the committee to leave Type 20 cement out of the S-3 class?

**Answer:** No. This was not the intent of the committee.

### Re: CSA A23.2-2A

**Question:** Can you specify whether method 2A or 5A must be used to determine fine particles passing the 80 micron screen?

**Answer:** CSA A23.2-5A. For further clarification, refer to CSA A23.2-2A, clause 3.5.





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

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Date	Subject	Title
September 10, 2001	Publication of amendments to CSA standards A23.1-00, <i>Concrete Materials and Methods of Construction</i> , and A23.2-00, <i>Methods of Test for Concrete</i> . (Supplements Certification Notice, "Concrete Testing Laboratories No. 7A.")	Concrete Testing Laboratories No. 8

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## Status of CSA Standards Projects

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

H The publication is on hold.

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

SUBJECT	NUMBER	TYPE	STATUS
<b>Building Materials and Masonry</b>			
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-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
Concrete Masonry Units	A165 Series	ne	2
Masonry Connectors	A370	ne	2
Masonry Construction for Buildings	A371	ne	1
Entry Door Systems	A440.6	ns	1
<b>Offshore Structures</b>			
General Requirements, Design Criteria, the Environment, and Loads	S471	ne	2
Foundations	S472	ne	2
Steel Structures	S473	ne	2
Concrete Structures	S474	ne	2
Sea Operations	S475	ne	2
Floating Structures	S476	ns	1
<b>Concrete</b>			
Concrete Materials and Methods of Concrete Construction/ Methods of Test for Concrete	A23.1/A23.2	ne	2
Plant Certification for Manufacturers of Concrete Roof Tiles	A220.0/.1/.2	ne	H
Standards for Concrete Pipe	A257	ne	1
Cementitious Materials Compendium	A3000 Series	ne	2



<b>SUBJECT</b>	<b>NUMBER</b>	<b>TYPE</b>	<b>STATUS</b>
<b>Welding</b>			
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
<b>Forest Products</b>			
Wood Utility Poles and Reinforcing Stubs	O15	ne	1
CSA Standards for Wood Adhesives	O112	ne	1
Eastern White Cedar Shingles	O118.2	ne	1
Procedure for Certification of Pressure-Treated Wood Materials for Use in Preserved Wood Foundations	O322	ne	2
<b>Plumbing Products and Materials</b>			
Cast Iron Soil Pipe, Fittings, and Means of Joining	B70	ne	5
Plumbing Fittings	B125	ne	5
Thermoplastic Pressure Piping Compendium	B137 Series	ne	5
Plastic Nonpressure Pipe Compendium	B1800 Series	ne	5
<b>Industrialized Building Construction</b>			
Industrial and Commercial Storage Racking Systems	A344	ns	2
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
<b>Structures (Design)</b>			
Design of Concrete Structures	A23.3	ne	1
Design of Steel Structures	S16	ne	5
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



## New Standards & Editions

### C862-01, 3rd edition

*Performance of Incandescent Reflector Lamps* . . . . . \$50

This standard describes testing procedures and states the performance requirements for general service incandescent reflector lamps.

It includes performance requirements for wattage, lamp efficacy, centre-beam intensity, and rated life.

This standard applies to incandescent reflector lamps designed for general lighting use that have all of the following characteristics:

- a rated wattage between 40 W and 205 W, inclusive
- a rated voltage or voltage range that is at least partially between 100 and 130 V
- an E26/24 single contact, or E26/50x39 skirted, medium screwbase
- a bulb diameter greater than 70 mm.

### CAN/CSA-C61215-01, 1st edition

*Crystalline Silicon Terrestrial Photovoltaic (PV) Modules—Design Qualification and Type Approval* (Adopted CEI/IEC 1215:1993, 1st edition, 1993-04) . . . . . \$105

This standard specifies requirements for the design qualification and type approval of terrestrial photovoltaic modules suitable for long-term operation in general open-air climates, as defined in IEC 721-2-1. It applies only to crystalline silicon types. (Standards for thin-film modules and other environments, such as marine or equator conditions, are under consideration.)

This standard does not apply to modules used with concentrators.

The object of this test sequence is to determine the electrical and thermal characteristics of the module and to show, as far as possible within reasonable constraints of cost and time, that the module is capable of withstanding prolonged exposure in climates described in the scope. The actual lifetime expectancy of modules so qualified will depend on their design, their environment and the conditions under which they are operated.

## Nouvelles parutions en français

### CAN/CSA-C61215-01, 1<sup>re</sup> édition

*Modules photovoltaïques (PV) au silicium cristallin pour application terrestre—Qualification de la conception et homologation* (norme CEI/IEC 1215:1993 adoptée, première édition, 1993-04) . . . . . 105 \$

Cette norme donne les exigences sur la qualification de la conception et l'homologation de modules photovoltaïques pour application terrestre et pour une utilisation de longue durée dans les climats généraux d'air libre, définis dans la CEI 721-2-1. Elle s'applique uniquement aux modules au silicium cristallin. Les normes pour les modules à couche mince et pour d'autres conditions d'environnement, telles que les conditions marines ou à l'équateur, sont à l'étude.

Elle ne s'applique pas aux modules utilisés avec concentrateurs.

L'objet de cette séquence est de déterminer les caractéristiques électriques et thermiques du module et de montrer autant que possible des contraintes de coût et de temps raisonnables, que le module est apte à supporter une exposition prolongée aux climats définis dans le domaine d'application. L'espérance de vie réelle des modules ainsi qualifiés dépendra de leur conception ainsi que de l'environnement et des conditions dans lesquels ils fonctionneront.

## Amendments

### CAN/CSA-C360-98

*Energy Performance, Water Consumption, and Capacity of Automatic Household Clothes Washers*

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

### CAN/CSA-C368.1-M90

*Performance Standard for Room Air Conditioners*

Revision of Clauses 1.3, 2.1, 2.2 and 8, and Table 1. Addition of Table 2.

### CAN/CSA-Z245.1-98

*Steel Line Pipe*

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



## Amendments (cont'd)

CAN/CSA-Z245.20-98/Z245.21-98

*External Fusion Bond Epoxy Coating for Steel Pipe/  
External Polyethylene Coating for Pipe*

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

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## Modifications publiées en français

CAN/CSA-C360-98

*Rendement énergétique, consommation d'eau et capacité des machines à laver électrodomestiques*

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

CAN/CSA-Z245.1-98

*Tubes en acier pour canalisations*

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

CAN/CSA-Z245.20-98/Z245.21-98

*Enduit extérieur en époxyde thermofusible pour tuyaux en acier/ Enduit extérieur en polyéthylène pour tuyaux*

Des modifications ont été apportées à la première de couverture, à la deuxième de couverture, ainsi qu'aux pages titres.

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## Proposed New Projects

For more information about the proposed development of the following new editions, contact Sam Loggia at 416-747-2575 or sam.loggia@csa.ca:

- **C360, 5th edition**  
*Energy Performance, Water Consumption, and Capacity of Automatic Household Clothes Washers*
- **C657, 2nd edition**  
*Energy Performance Standard for Commercial Refrigerated Display Cabinets and Merchandisers*

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## Drafts

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

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

- **C653, 3rd edition**  
*Performance Standard for Roadway Lighting Luminaires*

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## Proposed Reaffirmation of Standards

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

- **B346-M1980 (R1996)**  
*Power-Operated Dispensing Devices for Flammable Liquids*

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## Proposed Withdrawal of Standards

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

- **B140.2.3-M1981 (R1998)**  
*Replacement Burners and Replacement Combustion Heads for Residential Oil Burners*



## Status of CSA Standards Projects

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

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

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SUBJECT	NUMBER	TYPE	STATUS
<b>Performance, Energy Efficiency, and Renewables</b>			
Performance Standard for Dusk-to-Dawn Luminaires	C239	ne	4
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 Heat Pump Systems for Commercial, Industrial, Residential and Other Small Buildings (Note: This formerly appeared as C445.)	C448	ne	4
Performance Standard for Roadway Lighting Luminaires	C653	ne	1
Energy Performance Standard for Commercial Refrigerated Display Cabinets and Merchandisers	C657	ne	1
Performance Standard For Rating Packaged Water Chillers	C743	ne	3
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	4
Performance of Internally Lighted Exit Signs	C860	ne	5
Performance of Ballast for Use With High Intensity Discharge Lamps	C863	ns	2
Residential Mechanical Ventilation Systems	F326	ne	2
<b>Fire Safety and Fuel Burning Equipment</b>			
Installation Code for Oil Burning Equipment	B139	ne	1
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
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
<b>Nuclear</b>			
General Requirements for Pressure-Retaining Systems and Components in CANDU Nuclear Power Plants	N285.0	ne	4
Periodic Inspection of CANDU Nuclear Power Plant Components	N285.4	ne	3



<b>SUBJECT</b>	<b>NUMBER</b>	<b>TYPE</b>	<b>STATUS</b>
Material Standards for Reactor Components for CANDU Nuclear Power Plants (This series consists of N285.6.1–N285.6.11.)	N285.6 Series	ne	2
Technical Requirements for In-Service Evaluation of Zirconium Alloy Pressure Tubes in CANDU Reactors	N285.8	ns	3
Management System Requirements for Nuclear Power Plants	N286.0	ne	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
<b>Oil &amp; Gas Industry Systems</b>			
Steel Line Pipe	Z245.1	ne	4
Coiled Aluminum Line Pipe and Accessories	Z245.6	ne	4
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
Oil and Gas Pipeline Systems	Z662	ne	2