

INFO UPDATE

Volume 1 January/February 2001

Issue date: February 12, 2001

Deadline for comments: March 14, 2001

Annual Conference 2001

The next CSA International Annual Conference will take place June 23–26, 2001 in St. John's, Newfoundland. This year's theme will be *Gaining Knowledge... Taking Action*. Members and customers will join CSA for a power-packed program of seminars, workshops and social events. They will hear what the experts have to say about global trends and learn about the latest developments in standardization, certification and management systems registration activities.

CSA International's Member Education Program gives members valuable information about CSA and the standards development process. Currently, Member Services provides a one-day session for members who want to know more about the policies and procedures governing standards development. There is also a special interactive session designed for Committee Chairs.

CSA will be holding a half-day member training session immediately after CSA's Annual Conference in St. John's. The second day of the Annual Conference has been designated as Members' Day, and it is offered to both Committee and Sustaining Members free of charge. Members can now attend the conference and stay on the next day for a special member training session.

For more information or to register for this or other Member Education Sessions, call Cathy Frederickson at (416) 747-4206 or contact her at cathy.frederickson@csa-international.org.

Winnipeg Community Advisory Panel

The next meeting of the Winnipeg Community Advisory Panel (WCAP) will be held on Tuesday, March 6, 2001 at the Radisson Hotel in Winnipeg. The topic of this meeting is **high visibility apparel**.

The purpose of the meeting is to:

- provide information to Panel members and guests regarding CSA's current standards development work in the area of high visibility apparel
- provide a forum for identifying user issues and needs in this area
- obtain recommendations about CSA's role in this area.

The Winnipeg Panel is a diverse group of stakeholders from the Occupational Health and Safety constituency who advise CSA on its Occupational Health and Safety program.

For more information ...

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

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Manager, Consumer and Member Services
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Gas Equipment

New Standards & Editions

ANSI Z21.10.3b-2000/CSA 4.3b-2000
Addenda 2 to "Gas Water Heaters, Volume III, Storage Water Heaters with Input Ratings Above 75,000 Btu Per Hour" \$40

This document provides revisions to ANSI Z21.10.3-1998/CSA 4.3-M98 and ANSI Z21.10.3a-2000/CSA 4.3a-2000.

ANSI Z21.11.2-2000, 23rd edition
Unvented Gas-Fired Room Heaters, Volume II, Unvented Room Heaters \$305

This standard details test and examination criteria for unvented heaters for use with natural, manufactured and mixed gases, liquefied petroleum gases, and LP gas-air mixtures. Such heaters are limited to maximum input ratings of 40,000 Btu per hour.

ANSI Z21.20-2000, 13th edition
Automatic Gas Ignition Systems and Components . \$235

This standard applies to automatic gas ignition systems and components performing the following functions:

- igniting the gas at the main burner(s), or at the pilot burner(s) so it can ignite the main burner(s)
- proving the presence of either the ignition source, the main burner flame, or both
- automatically acting to shut off the gas supply to the main burner(s), or to the pilot and the main burner(s), when the supervised flame or ignition source is not proved.

This standard applies to automatic gas ignition systems that also serve as oxygen depletion safety shutoff (ODS) systems. The standard covers automatic gas ignition systems and components intended mainly for use with gas appliances with inputs of 400,000 Btu per hour (117 228 W) or less per individual combustion chamber.

ANSI Z21.20a-2000
Addenda 1 to "Automatic Gas Ignition Systems and Components" \$40

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

ANSI Z21.22a-2000/CSA 4.4a-2000
Addenda 1 to "Relief Valves for Hot Water Supply Systems" \$45

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

ANSI Z21.23-2000, 10th edition
Gas Appliance Thermostats \$235

This standard applies to newly produced gas appliance thermostats of the integral gas valve type, with a maximum operating gas pressure of ½ psi (3.5 kPa), or of the electric type.

The standard does not apply to an electric type comfort heating thermostat (wall-mounted) for installation remote from an appliance.

When the operating performance characteristics of the thermostat can be affected by the separate components, such as the power supply, transformer and valve(s), the thermostat must be tested as part of a complete system.

ANSI Z21.35b-2000/CGA 6.8b-2000
Addenda 2 to "Pilot Gas Filters" \$40

This document provides revisions to ANSI Z21.35-1995/CGA 6.8-M95 and ANSI Z21.35a-1997/CGA 6.8a-M97.

ANSI Z21.47b-2000/CSA 2.3b-2000
Addenda 2 to "Gas-Fired Central Furnaces" \$45

This document provides revisions to ANSI Z21.47-1998/CSA 2.3-M98 and ANSI Z21.47a-1999/CSA 2.3a-M99.

ANSI Z21.54a-2000/CGA 8.4a-00
Addenda 1 to "Gas Hose Connectors for Portable Outdoor Gas-Fired Appliances" \$40

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

ANSI Z21.56b-2000/CSA 4.7b-2000
Addenda 2 to "Gas-Fired Pool Heaters" \$40

This document provides revisions to ANSI Z21.56-1998/CSA 4.7-M98 and Z21.56a-1999/CSA 4.7a-M99.



New standards & editions (cont'd)

ANSI Z21.63-2000/CSA 11.3-2000,
1st harmonized edition
Portable Type Gas Camp Heaters \$235

This document details test criteria for unvented portable type gas camp heaters of the infrared type only. Heaters covered have a maximum input of 12,000 Btuh (3.52 kW) or less, using propane, butane, liquefied petroleum gases, or mixtures, and are intended for outdoor use.

ANSI Z21.73-2000/CSA 11.1-M00,
1st harmonized edition
Portable Type Gas Camp Lights \$235

This standard applies to portable type gas camp lights for outdoor use only. The lights covered are for use with propane, butane, liquefied petroleum gas, or any combination of these.

ANSI Z83.8b-2000/CGA 2.6b-M00
Addenda 2 to "Gas Unit Heaters and Gas-Fired Duct Furnaces" \$55

This document provides revisions to ANSI Z83.8-1996/CGA 2.6-M96 and ANSI Z83.8a-1998/CGA 2.6a-M98.

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 March 14, 2001.

To receive copies of the following proposed revisions, or to offer comments, contact Susan Taylor at (416) 747-4001, or fax (416) 747-2473, or e-mail susan.taylor@csa-international.org:

- CGA 1.6/ANSI Z21.58, proposed revisions
Outdoor Cooking Gas Appliances

Reaffirmed Standards

CAN1-1.1-M81 (R2001)
Domestic Gas Ranges

CAN1-2.16-M81 (R2001)
Gas-Fired Infra-Red Heaters

CGA P.4.1-1996 (R2001)
Testing Method for Measuring Annual Fireplace Efficiency

Status of CSA Standards Projects

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

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

SUBJECT	NUMBER	TYPE	STATUS
Food Processing and Food Refrigeration			
Domestic Gas Ranges	1.1	ne	5
Gas-Fired Refrigerators	1.4/ANSI Z21.19	ns	4
Outdoor Cooking Gas Appliances	1.6/ANSI Z21.58	ne	2
Gas Food Service Equipment	1.8/ANSI Z83.11	ne	2
Outdoor Cooking Specialty Gas Appliances	1.18/ANSI Z21.89	ne	2
Gas-Fired Domestic and Commercial Heating Equipment and Air Conditioning			
Gas-Fired Construction Heaters	2.14/ANSI Z83.7	ne	5
Gas-Fired Low-Intensity Infrared Heaters	2.34/ANSI Z83.20	ns	5
Gas-Fired High-Intensity Infrared Heaters	2.35/ANSI Z83.19	ns	5



SUBJECT	NUMBER	TYPE	STATUS
Large Input Commercial and Industrial Equipment (over 400,000 Btuh)			
Recirculating Direct Gas-Fired Industrial Air Heaters (Note: This document will first be published as a U.S. document; the harmonized document is on hold.)	3.18/ANSI Z83.18	ns	4/H
Domestic and Commercial Water Heaters and Boilers			
Gas-Fired Steam and Hot Water Boilers	4.9/ANSI Z21.13	ne	5
Accessories			
Service Regulators	6.18	ne	2
Residential Carbon Monoxide Detectors and Alarms	6.19	ne	4
Gas Convenience Outlets	6.24/ANSI Z21.90	ns	2
Portable-Type Camping Equipment			
Portable-Type Camp Stoves	11.2/ANSI Z21.72	ns	5
Portable-Type Camp Refrigerators	11.4/ANSI Z21.74	ns	2
Natural Gas and Propane Vehicle Fuel Systems and Industrial Engines			
Natural Gas Vehicle Fueling Station Compressor Guidelines	12.8/ANSI 4.8	ns	4
Fuel Cell Power Plants (Note: This document has been published as a U.S. document; the harmonized document is on hold.)	12.10/ANSI Z21.83	ns	H
Automatic Pressure Operated Valves for Natural Gas Dispensing Systems	12.57/ANSI NGV 4.7	ns	4
Performance Test Methods			
Testing Method for Measuring Annual Fireplace Efficiency	P.4.1	ne	2
Testing Method for Determining the Efficiency of Home Heating Equipment	P.4.2	ns	2



New Standards & Editions

CAN/CSA-ISO 9241-1-00, 1st edition
(Adopted ISO 9241-1:1997)
Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs)–Part 1: General Introduction \$40

The ISO 9241 standards provide ergonomic requirements for the use of visual display terminals for office tasks. For the purposes of these standards, office tasks include a wide range of generic text and data processing tasks. Many of the requirements in the ISO 9241 standards are also appropriate in other environments, such as medical, scientific, telecommunications, control room and public access environments.

ISO 9241-1 provides introductory information about the standards and how to use them. In addition, it provides guidelines for a user-performance approach, and describes how conformance to ISO 9241 should be reported.

CAN/CSA-ISO 9241-2-00, 1st edition
(Adopted ISO 9241-2:1992)
Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs)–Part 2: Guidance on Task Requirements \$30

This standard provides ergonomic guidelines for office tasks to users of VDT-based information processing systems. The guidelines serve both the organization implementing the system and the people using the equipment. The objective is to enhance the individual user's efficiency and well-being, by applying practical ergonomics to the design of tasks.

CAN/CSA-ISO 9241-3-00, 1st edition
(Adopted ISO 9241-3:1992)
Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs)–Part 3: Visual Display Requirements \$90

This standard establishes image quality requirements for the design and evaluation of single and multi-colour VDTs. The requirements are stated as performance specifications, and the evaluations provide test methods and conformance measurements. The recommendations are based on Latin, Cyrillic, and Greek origin alphabetic characters, and Arabic numerals.

CAN/CSA-ISO 9241-4-00, 1st edition
(Adopted ISO 9241-4:1998)
Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs)–Part 4: Keyboard Requirements \$90

This standard applies to linear detachable keyboards designed for stationary use. It provides guidance on:

- the design of keyboards used for typical office tasks, taking into consideration the limitations and capabilities of users
- ergonomic factors for keyboard layout, the physical characteristics of the individual keys, and the overall design of the housing containing the keys.

CAN/CSA-ISO 9241-5-00, 1st edition
(Adopted ISO 9241-5:1998)
Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs)–Part 5: Workstation Layout and Postural Requirements \$85

This standard specifies ergonomic principles to support the design, selection and use of workstation equipment for office tasks using VDTs.

CAN/CSA-ISO 9241-7-00, 1st edition
(Adopted ISO 9241-7:1998)
Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs)–Part 7: Requirements for Display with Reflections \$95

This standard:

- establishes image quality requirements and test methods for VDTs used in luminous environments that may cause reflections from the screen
- applies to the ergonomic design of direct-view electronic displays for office tasks
- applies to monochrome and multicolour displays. The following displays (and similar types) are not covered by this standard: multi-user projection displays, transparent displays and virtual image displays.
- applies to VDTs for which its test method is suitable; for example, emissive VDT technologies, such as cathode ray tubes, and some flat panels.

CAN/CSA-ISO 9241-8-00, 1st edition
(Adopted ISO 9241-8:1997)
Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs)–Part 8: Requirements for Displayed Colours \$90

This standard, which complements CAN/CSA-ISO 9241-3, describes ergonomic requirements and recommendations to be applied to colours assigned to text and graphic applications and images in which colours are discretely assigned. The specifications exclude photorealistic images and graphics. This standard applies to both hardware and software for visual display terminals, because both of these sources control the presentation and appearance of colour on the display screen. This standard is not intended to be a specification on colour coding.



CAN/CSA-ISO 9241-9-00, 1st edition
(Adopted ISO 9241-9:2000)
Ergonomic Requirements for Office Work with Visual Display Terminals (VDTs)—Part 9: Requirements for Non-Keyboard Input Devices . . . \$115

This standard provides requirements and recommendations for the design of several types of non-keyboard input devices, including mice, pucks, joysticks, trackballs, tablets and overlays, touch-sensitive screens, styli, and light pens. It gives guidance on designing these devices for typical office tasks, taking into consideration the limitations and capabilities of users.

CAN/CSA-ISO 15225-01, 1st edition
(Adopted ISO 15225:2000)
Nomenclature—Specification for a Nomenclature System for Medical Devices for the Purpose of Regulatory Data Exchange \$75

This European standard specifies requirements and guidance for the construction of a nomenclature for medical devices. The objective is to facilitate co-operation and exchange of regulatory data on an international level between interested parties, such as regulatory authorities, manufacturers, suppliers, health care providers, and end users.

This standard does not include the nomenclature itself. The nomenclature will be supplied as a separate document.

Note: This standard includes guidelines for a minimum data set and its structure. These guidelines are provided for system designers setting up databases using the nomenclature system described in this standard.

Z412-00, 2nd edition
Guideline on Office Ergonomics \$150

This guideline incorporates ergonomics into a step-by-step process for the optimal design of office systems, including the design of jobs and work organization, layout of the office, environmental conditions, and workstation design. The objective is to optimize an office system's design for its users, by matching the design of the various elements to potential users' characteristics and abilities. When this objective is realized, office users are more efficient, effective, productive, free of discomfort, healthy, and satisfied.

Nouvelles parutions en français

PLUS 9001MD, 2^e édition
Guide ISO 9000 et 13485—Lignes directrices pour l'application des normes ISO 9000 et 13485 à l'intention des fabricants de dispositifs médicaux 55 \$

Produit à l'intention des spécialistes de la qualité, débutants ou expérimentés, cette guide se veut succinct et facile à consulter et vise à faciliter la compréhension et l'application des deux normes ISO 13485 et ISO 13488, lesquelles sont basées respectivement sur l'ISO 9001 et l'ISO 9002.

Ce guide contient des extraits tirés de différents documents ainsi que le texte complet de l'ISO 9001:94 et de l'ISO 13485:96.

CAN/CSA-ISO 9241-1-00, 1^{re} édition
(norme ISO 9241-1:1997 adoptée)
Exigences ergonomiques pour travail de bureau avec terminaux à écrans de visualisation (TEV)—Partie 1 : Introduction générale 40 \$

Les normes ISO 9241 énoncent des exigences visant l'ergonomie visant l'utilisation des terminaux à écrans de visualisation pour travail de bureau. Cette norme contient une introduction générale pour la série de normes et des indications sur la façon d'utiliser chacune des normes. Elle donne des lignes directrices relative à une approche utilisateur-performance et décrit comment faire état de la conformité à l'ISO 9241.

Le travail de bureau, au sens de l'ISO 9241, comporte une grande variété de tâches génériques de traitement de textes et de données. Ces tâches étant similaires à celles qui peuvent être exécutées dans d'autres environnements par exemple médical, scientifique, télécommunications, salles de commande et services ouverts au public, nombre des exigences contenues dans l'ISO 9241 s'appliquent également à ces environnements.

CAN/CSA-ISO 9241-2-00, 1^{re} édition
(norme ISO 9241-2:1992 adoptée)
Exigences ergonomiques pour travail de bureau avec terminaux à écrans de visualisation (TEV)—Partie 2 : Guide général concernant les exigences des tâches 30 \$

Cette norme sert d'indications aux utilisateurs de systèmes de traitement de l'information à partir d'un TEV pour les tâches de bureau. Ces indications sont destinées à la fois à l'organisme qui met en œuvre et aux personnes qui utilisent l'équipement.

L'objectif de cette norme est d'assurer l'efficacité et le bien-être de l'utilisateur individuel en appliquant à la conception des tâches les connaissances en ergonomie à la lumière de l'expérience pratique.



**CAN/CSA-ISO 9241-3-00, 1^{re} édition
(norme ISO 9241-3:1992 adoptée)**

Exigences ergonomiques pour travail de bureau avec terminaux à écrans de visualisation (TEV)—Partie 3 : Exigences relatives aux écrans de visualisation 90 \$

Cette norme établit des exigences relatives à la qualité de l'image, pour la conception et l'évaluation des écrans cathodiques mono- ou polychromes. Les exigences sont données sous forme de spécifications de performances, et les évaluations comprennent des méthodes d'essai et des mesurages de conformité. Les recommandations ont été définies sur la base des caractères alphabétiques d'origines latine, cyrillique et grecque, et des chiffres arabes.

**CAN/CSA-ISO 9241-4-00, 1^{re} édition
(norme ISO 9241-4:1998 adoptée)**

Exigences ergonomiques pour travail de bureau avec terminaux à écrans de visualisation (TEV)—Partie 4 : Exigences relatives aux claviers 90 \$

Cette norme s'applique aux claviers linéaires séparés, conçus pour une utilisation fixe. Elle sert de guide pour la conception des claviers dédiés aux tâches bureautiques classiques, afin de prendre en compte les limites et les capacités des utilisateurs. Elle présente un guide général fondé sur des facteurs ergonomiques relatifs aux agencements des touches de clavier, aux caractéristiques physiques des touches individuelles et à la conception générale du logement des touches.

**CAN/CSA-ISO 9241-5-00, 1^{re} édition
(norme ISO 9241-5:1998 adoptée)**

Exigences ergonomiques pour travail de bureau avec terminaux à écrans de visualisation (TEV)—Partie 5 : Aménagement du poste de travail et exigences relatives aux postures 85 \$

Cette norme spécifie les principes ergonomiques directeurs qui s'appliquent aux exigences de l'utilisateur, à la conception et à l'approvisionnement en matériel pour les postes de travail destinés aux travaux de bureau utilisant les TEV.

Les principes et exigences d'ordre général spécifiés dans cette norme s'appliquent tout particulièrement aux normes spécifiant la conception technique du mobilier et du matériel constituant le poste de travail.

**CAN/CSA-ISO 9241-7-00, 1^{re} édition
(norme ISO 9241-7:1998 adoptée)**

Exigences ergonomiques pour travail de bureau avec terminaux à écrans de visualisation (TEV)—Partie 7 : Exigences d'affichage concernant les réflexions 95 \$

Cette norme :

- donne les exigences pour la qualité de l'image des terminaux à écran de visualisation utilisés dans des ambiances lumineuses qui peuvent produire des réflexions sur l'écran ;
- s'applique dans le cadre de la conception ergonomique des écrans à vision directe pour le travail de bureau ;

- s'applique aux écrans monochromes et couleur. Les écrans suivants et tous les écrans similaires sont exclus du domaine d'application de cette norme : les écrans de projection multi-utilisateurs, les écrans de rétroprojection et les écrans à image virtuelle ;
- s'applique aux terminaux à écran de visualisation auxquels la méthode d'essai est adaptée. La méthode d'essai convient aux terminaux à écran de visualisation émissifs, tels que les terminaux à tubes cathodiques et certains écrans plats.

**CAN/CSA-ISO 9241-8-00, 1^{re} édition
(norme ISO 9241-8:1997 adoptée)**

Exigences ergonomiques pour travail de bureau avec terminaux à écrans de visualisation (TEV)—Partie 8 : Exigences relatives aux couleurs affichées 90 \$

Cette norme décrit les exigences ergonomiques et recommandations minimales à appliquer aux couleurs associées aux applications graphiques et de texte, et aux images pour lesquelles des couleurs sont associées de façon discrète. Les spécifications décrites dans cette norme excluent donc les graphiques et images photographiques.

Cette norme s'applique aussi bien au matériel qu'au logiciel pour terminaux à écrans de visualisation, car l'un comme l'autre contrôle la présentation et l'apparence des couleurs sur l'écran d'affichage.

Cette norme constitue un complément à l'ISO 9241-3. Cette norme n'est pas une spécification sur le codage des couleurs.

**CAN/CSA-ISO 9241-9-00, 1^{re} édition
(norme ISO 9241-9:2000 adoptée)**

Exigences ergonomiques pour travail de bureau avec terminaux à écrans de visualisation (TEV)—Partie 9 : Exigences relatives aux dispositifs d'entrée autres que les claviers 115 \$

Cette norme fournit les exigences et recommandations pour la conception des dispositifs d'entrées autres que les claviers. Elle fournit des recommandations fondées sur des facteurs ergonomiques pour les dispositifs d'entrées suivants : souris, souris optiques, manettes, boules roulantes, tablettes et barres graphiques, écrans tactiles, stylets et photostyles. Les recommandations portent sur la conception de ces dispositifs dédiés à des tâches de bureau spécifiques, de manière à prendre en compte les contraintes et les capacités inhérentes à l'utilisateur.



**CAN/CSA-ISO 15225-01, 1^{re} édition
(norme ISO 15225:2000 adoptée)**

Nomenclature—Spécifications pour un système de nomenclature des dispositifs médicaux destiné à l'échange de données réglementaires 75 \$

Cette norme européenne spécifie les exigences et les recommandations destinées à l'élaboration d'un système de nomenclature des dispositifs médicaux pour faciliter la coopération et les échanges de données réglementaires à un niveau international entre les parties intéressées comme : les autorités réglementaires, les fabricants, les fournisseurs, les fournisseurs de soins de santé, et les utilisateurs finaux.

Cette norme ne comprend pas la nomenclature elle-même. Cette dernière sera fournie dans un document séparé.

Cette norme donne des lignes directrices relatives à des données minimales et à la structure du système de données. Ces lignes directrices sont destinées aux concepteurs de systèmes établissant des bases de données utilisant le système de nomenclature décrit par la présente norme.

Amendments

Z795-96

Coding of Work Injury or Disease Information

Revision of the outside and inside front covers and the title page.

Modifications publiées en français

CAN/CSA-Z614-98

Aires et équipement de jeu

Des modifications ont été apportées à l'article 15.5.4.3. L'article 15.5.4.4 a été ajouté.

Z795-96

Codage des données sur les accidents de travail et les maladies professionnelles

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

Proposed New Projects

For more information about the proposed development of the following new standards, contact Andre Wisaksana at (416) 747-4242 or andre.wisaksana@csa-international.org:

- **Z900.1**
Safety of Tissues and Organs for Transplantation
- **Z900.2.1**
Safety of Tissues for Transplantation
- **Z900.2.2**
Safety of Reproductive Tissues for Transplantation
- **Z900.2.3**
Safety of Perfusable Organs for Transplantation
- **Z900.2.4**
Safety of Ocular Tissues for Transplantation
- **Z900.2.5**
Safety of Hematopoietic Cells for Transplantation

Drafts

Please note: Public comments about draft standards and proposed amendments listed in this issue are due by March 14, 2001.

To receive copies of the following draft standard, or to offer comments, contact Paul Levine at (416) 747-4172 or paul.levine@csa-international.org:

- **B339, 4th edition**
Cylinders, Spheres, and Tubes for the Transportation of Dangerous Goods

To receive copies of the following draft standards, or to offer comments, contact Steve Paniri at (416) 747-4118 or steve.paniri@csa-international.org:

- **B311, 2nd edition**
Safety Code for Manlifts
- **Z98, 5th edition**
Passenger Ropeways

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

- **Z94.2, 5th edition**
Hearing Protection Devices



Proposed Adoption of Standards

For more information about the proposed adoption of the following ISO standards, contact Steve Paniri at (416) 747-4118 or steve.paniri@csa-international.org:

- **ISO 9589:1994**
Elevators—Building Dimensions
- **ISO/TS 14798:2000**
Lifts (Elevators), Escalators and Passenger Conveyors—Risk Analysis Methodology

Reaffirmed Standards

CAN/CSA-D113.2-M89 (R2001) (pending new edition)
Cycling Helmets

Informs Notices (Bulletins from CSA Certification and Testing)

Date	Subject	Title
December 4, 2000	A new component acceptance service for connecting components for individual fall arrest systems. (Supersedes Informs “Component Acceptance Service No. 29.”)	Component Acceptance Service No. 34

Certification Notices

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

Effective Date	Subject	Title
July 30, 2001	Publication of CSA International’s Z94.3-99 (5th edition), <i>Industrial Eye and Face Protectors</i> .	Occupational Health and Safety Products No. 37
January 1, 2003	Publication of standards on <i>Medical Electrical Equipment</i> : CAN/CSA-C22.2 No. 601.1.3-98, No. 601.1.1S1-94, and No. 601.2.21, .23, .27, .31, .32, .33, and .34. (Products may be evaluated to these standards now.)	Health Care Equipment No. 11



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			
Application of Auditory and Visual Medical Devices	ISO 9703-3	ns	3
Pressure Regulators and Pressure Regulators with Flow-Metering Devices for Medical Gas Systems	ISO 10524	ns	3
Biological Evaluation of Medical Devices—Part 15: Identification and Quantification of Degradation Products from Metals and Alloys	ISO 10993-15	ns	2
Sterilization of Health Care Products—Biological Indicators—Part 1: General	ISO 11138-1	ns	C
Medical Electrical Equipment—Particular Requirements for Safety of Medical Supply Units	ISO 11197	ns	3
Compatibility of Medical Equipment with Oxygen	ISO 15001	ns	C
Flow-Metering Devices for Connection to Terminal Units of Medical Gas Pipeline Systems	ISO 15002	ns	3
Medical Devices—Symbols to Be Used with Medical Device Labels, Labelling and Information to Be Supplied	ISO 15223	ns	H
Ethylene Oxide Sterilizers for Hospitals	Z314.1	ne	5
Effective Sterilization in Hospitals by the Ethylene Oxide Process	Z314.2	ne	5
Effective Sterilization in Health Care Facilities by the Steam Process	Z314.3	ne	5
Installation & Ventilation of Ethylene Oxide Sterilizers in HCF	Z314.9	ne	5
Disinfectants	Z314.11	ns	H
Performance Requirements of Test Packs for Use in Hospitals	Z314.12	ne	C
Recommended Standard Practices for Emergency (Flash) Sterilization	Z314.13	ne	5
Selection and Use of Rigid Sterilization Containers	Z314.14	ne	H
Liquid Chemical Sterilization	Z314.17	ns	C
Special Requirements for Heating, Ventilation, Air Conditioning (HVAC) Systems in HCF	Z317.2	ne	4
Handling of Waste Material in HCF	Z317.10	ne	5
Laser Safety in Health Care Facilities	Z386	ne	5
Transportable Mobility Aids	Z604	ne	4
Mobility Aid Securement and Occupant Restraint Systems	Z605	ne	4
Safety of Tissues and Organs for Transplantation	Z900.1	ns	1
Safety of Tissues for Transplantation	Z900.2.1	ns	1
Safety of Reproductive Tissues for Transplantation	Z900.2.2	ns	1
Safety of Perfusable Organs for Transplantation	Z900.2.3	ns	1
Safety of Ocular Tissues for Transplantation	Z900.2.4	ns	1
Safety of Hematopoietic Cells for Transplantation	Z900.2.5	ns	1
Nonflammable Medical Gas Pipeline Systems—Part 1: Pipelines for Compressed Medical Gases and Vacuum	Z7396.1	ns	2
Nonflammable Medical Gas Pipeline Systems—Part 2: Pipelines for Anaesthetic Gas Scavenging Disposal Systems	Z7396.2	ns	3



SUBJECT	NUMBER	TYPE	STATUS
Inhalational Anaesthesia Systems–Part 2: Anaesthetic Breathing Systems for Adults	Z8835-2	ne	5
Suction Catheters for Use in the Respiratory Tract	Z8836	ne	5
Critical Care Ventilators	Z10651-1	ns	H
Sterilization of Health Care Products–General Requirements for Characterization of a Sterilizing Agent and the Development, Validation, and Routine Control of a Sterilization Process	Z14937	ns	4
Mechanical Industrial Equipment			
Elevator Safety Code (Bi-national)	B44/A17.1	ne	4
Safety Code for Manlifts	B311	ne	3
Selection and Use of Cylinders, Spheres, Tubes, and Other Containers for the Transportation of Dangerous Goods, Class 2	B340	ne	1
Community and Personal Issues			
Barrier-Free Design	B651	ne	1
Barrier-Free Design for Automated Banking Machines	B651.1	ns	5
Dimensions for Facially-Featured Headforms	Z262.6	ns	4
Racquet Sports Eye Protection	Z400	ns	2
Occupational Health and Safety			
Industrial Lift Truck Operator Training	B335	ne	2
Elevating Rolling Work Platforms	B354.1	ne	1
Self-Propelled Elevating Work Platforms for Use on Paved/Slab Surfaces	B354.2	ne	4
Self-Propelled Elevating Work Platforms for Use as "Off-Slab" Units	B354.3	ne	C
Boom-Type Elevating Work Platforms	B354.4	ne	2
Mast Climbers	B354.5	ns	2
Tractors for Agriculture–Seat Belt Anchorages	M3776	ns	5
Agricultural Tractors–Operator's Seating Accommodation–Dimensions	M4253	ns	H
Agricultural Equipment–Animal Electronic Identification–Code Structure	M11784	ns	C
Health and Safety Code for Suspended Equipment Operations	Z91	ne	2
Hearing Protection	Z94.2	ne	3
Selection, Use, and Care of Respirators	Z94.4	ne	2
High-Visibility Safety Apparel	Z96	ns	2
Code for Punch Press and Brake Press Operation: Health, Safety, and Guarding Requirements	Z142	ne	2
Protective Footwear	Z195	ne	2
Design of Double Girder Electric Overhead Travelling Cranes	Z202	ns	H
Code for Tower Cranes	Z248	ne	2
Connecting Components for Personal Fall Arrest Systems (PFAS)	Z259.12	ns	5
Flexible Horizontal Lifelines	Z259.13	ns	2
Fall Restrict Equipment for Wood Pole Climbing	Z259.14	ns	4



Electrical/Electronics

New Standards & Editions

Note: All of the new standards and editions in the Electrical program are designed to be used in accordance with the rules of the *Canadian Electrical Code, Part I*.

C22.2 No. 27-00, 5th edition
(Tri-national standard with UL 857, 12th edition,
and the 2nd edition of NMX-J-148-ANCE)
Busways \$335

This standard applies to service-entrance, feeder, and branch-circuit busways and associated fittings rated at 600 V or less, 6 000 A or less. The requirements do not apply to metal-enclosed busways intended for connecting switchgear assemblies for use in prefabricated electric distribution systems.

In this standard, a busway is considered to be a grounded metal enclosure containing factory-mounted conductors that are usually copper or aluminum bars, rods, or tubes.

C22.2 No. 111-00, 3rd edition
(Bi-national standard, with UL 20, 12th edition)
General-Use Snap Switches \$50

This standard applies to manually operated, general-use snap switches for connection to copper or copper-clad conductors, and intended for connection to wiring systems recognized by the *National Electrical Code* or the *Canadian Electrical Code, Part I*. In Canada, requirements for switches for connection to aluminum conductors are covered in Appendix B.

This standard applies to ac/dc rated switches with load ratings not greater than 60 A at 250 V or less, 30 A at 251 V–600 V, and 2 hp at 125 V–600 V or less. This standard also covers ac-only rated switches with load ratings not greater than 30 A at 347 Vac or less.

C22.2 No. 179-00, 3rd edition
Airport Series Lighting Cables \$50

This standard applies to airport series lighting cables (Type ASLC) intended for use above and below ground in dry or wet locations, at a nominal voltage of 5000 V and a maximum temperature rating of 90°C.

CAN/CSA-C22.2 No. 60950-00, 3rd edition
(Bi-national standard, with UL 60950)
Safety of Information Technology Equipment \$195

This standard applies to mains-powered or battery-powered information technology equipment, including electrical business equipment and associated equipment, with a rated voltage not exceeding 600 V.

It also applies to information technology equipment connected directly to a telecommunication network, regardless of the source of power, and to information technology equipment designed to use the ac mains supply as a telecommunication transmission medium.

This standard's objective is to reduce risks of fire, electric shock or injury for the operator and layperson who may come into contact with the equipment and, where specifically stated, for service personnel.

Proposed Adoption of Standards

For information about the proposed adoption of the following IEC standard, contact John O'Neill at (416) 747-4042 or john.oneill@csa-international.org:

- **IEC 61000-4-27**
Electromagnetic Compatibility (EMC)—Part 4-27: Testing and Measurement Techniques—Unbalance, Immunity Test

Reaffirmed Standards

C22.2 No. 74-96 (R2000)
Equipment for Use with Electric Discharge Lamps

CAN/CSA-C22.2 No. 114-M90 (R2000)
Diagnostic Imaging and Radiation Therapy Equipment

C22.2 No. 142-M1987 (R2000)
Process Control Equipment

C22.2 No. 229-M1988 (R2000)
Switching and Metering Centres



Informs Notices (Bulletins from CSA Certification and Testing)

Date	Subject	Title
December 1, 2000	Amendment of CSA standard C22.2 No. 38-95, <i>Thermoset Insulated Wires and Cables</i> .	Wire and Cable No. 90
December 8, 2000	Amendments to CSA standard C22.2 No. 8-M1986 (R1992), <i>Electromagnetic Interference (EMI) Filters</i> .	EMI Filters No. 2

Certification Notices

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

Effective Date	Subject	Title
► Immediately	Publication of Technical Information Letter (TIL) No. A-27, covering interim certification requirements for metal cable tray systems.	Wiring Devices No. 20
July 31, 2001	Publication of Technical Information Letter (TIL) No. A-26, covering interim certification requirements for surface raceway systems rated 300 V and greater.	Wiring Devices No. 19
August 31, 2001	Publication of TIL No. N-31, covering interim certification requirements for cord flexing test in portable appliances. (Supersedes Certification Notice “Vacuum Cleaners and Blower Cleaners No. 7.”)	Vacuum Cleaners and Blower Cleaners No. 7A
November 30, 2001	Publication of TIL No. B-58B, covering interim certification requirements for landscape lighting systems. (Supersedes “Lighting Products No. 18A.”)	Lighting Products No. 34
June 1, 2002	Publication of CAN/CSA-C22.2 No. 745-1 and -2 (<i>Portable Electric Tools</i>), and CAN/CSA-C22.2 No. 745-3 and -4 (<i>Portable Battery-Operated Tools</i>).	Electrical Tools No. 6



Status of CSA Standards Projects

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

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

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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
Wiring Products			
Test Methods for Electrical Wires and Cables	C22.2 No. 0.3	ne	4
Lampholders	C22.2 No. 43	ne	1
Non-metallic Surface Raceways	C22.2 No. 62.1	ns	3
Thermoplastic-Insulated Wires and Cables (Tri-national standard)	C22.2 No. 75	ne	3
Non-metallic Cable Tray Systems	C22.2 No. 126.2	ns	3
Type TECK 90 Cable	C22.2 No. 131	ne	1
Plugs, Receptacles and Cable Connectors of the Pin and Sleeve Type	C22.2 No. 182.1	ne	3
Flexible Non-metallic Tubing	C22.2 No. 227.3	ne	1
Industrial Products			
Enclosed Switches	C22.2 No. 4	ne	1
Moulded Circuit Breakers	C22.2 No. 5.1	ne	4
Busways	C22.2 No. 27	ne	4
Panelboards and Enclosed Panelboards	C22.2 No. 29	ne	3
Switchgear Assemblies	C22.2 No. 31	ne	H
General Use Power Supplies	C22.2 No. 107.1	ne	3
Battery Chargers	C22.2 No. 107.2	ne	3
Safety of Uninterruptible Power Supplies (UPS)–Part 1	C22.2 No. 107.3	ns	3
Liquid Pumps	C22.2 No. 108	ne	4
Ground Fault Circuit Interrupters	C22.2 No. 144	ne	1
Switchboards	C22.2 No. 244	ns	1
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
Household Refrigerators and Freezers	C22.2 No. 63	ne	1
Humidifiers	C22.2 No. 104	ne	3
Fans and Ventilators	C22.2 No. 113	ne	3
Electrostatic Air Cleaners	C22.2 No. 187	ne	1
Radiant Space Heating Panels, Panel Sets, and Systems	C22.2 No. 217	ne	H
Safety of Household and Similar Electrical Appliances–			
–Particular Requirements for Battery Chargers	E335-2-29	ne	4
–Particular Requirements for Motor-Compressors	E335-2-34	ne	4
CE Code, Part III – Outside Wiring			
Overhead Systems	C22.3 No. 1	ne	4



New Standards & Editions

B211-00, 2nd edition

Energy Efficiency of Oil-Fired Storage Tank Water Heaters \$50

This standard specifies the method for determining the energy factor for oil-fired storage tank water heaters, and establishes minimum energy efficiency levels. It applies to oil-fired storage tank water heaters with an input rating of 107 000 kJ/hr or 30.5 kW (0.75 USGPH) or less and a manufacturer's specified storage capacity of 190 L (50 US gal) or less.

C282-00, 3rd edition

Emergency Electrical Power Supply for Buildings . . . \$85

This standard covers the design, installation, operation, maintenance, and testing of the equipment required to provide emergency electrical power to loads in buildings and facilities in the event that the normal power source fails. Guidelines on emergency electrical power supply for life support equipment are discussed in an Appendix.

Please note that this standard does not cover:

- emergency electrical power supply systems for hospitals that are covered by CSA standard Z32
- the application of the emergency electrical power supply
- emergency lighting unit equipment
- distribution wiring
- emergency electrical power supplied from batteries.

C282 LOGBOOK-00

Emergency Electrical Power Supply for Buildings Logbook . . . \$15

This logbook provides convenient, easy-to-use worksheets and checklists for recording maintenance activities related to the guidelines in CSA standard C282-00. Enough worksheets are provided to cover the recommended activities for five years.

C300-00, 5th edition

Energy Performance and Capacity of Household Refrigerators, Refrigerator-Freezers and Freezers . . . \$95

This standard applies to both compact and household refrigerators, refrigerator-freezers, and freezers that are electrically operated on a 60 Hz alternating current, with a nominal supply voltage of 115 V. The standard applies to refrigerators and refrigerator-freezers with a capacity up to 1100 L (39 ft³), and freezers with a capacity up to 850 L (30 ft³).

C802.1-00, 1st edition

Minimum Efficiency Values for Liquid-Filled Distribution Transformers \$35

This standard specifies energy efficiencies for liquid-filled distribution transformers. The Total Ownership Cost (TOC) methodology is recommended for achieving these energy efficiencies, particularly for electric utilities. This standard also specifies an optimal method for non-utility users, based on a modified TOC methodology that meets the conditions of energy cost.

The transformers to which this standard applies are single-phase and three-phase, 60 Hz, liquid-filled distribution transformers, rated at 10–833 kV•A for single-phase and at 15–3000 kV•A for three-phase, insulation class 34.5 kV and less.

This standard addresses the test methods and procedures for determining the transformer efficiencies.

C802.2-00, 1st edition

Minimum Efficiency Values for Dry-Type Transformers . . . \$35

This standard specifies energy efficiencies for dry-type transformers. The Total Ownership Cost (TOC) methodology is recommended for achieving these energy efficiencies, particularly for electric utilities. This standard also specifies an optimal method for non-utility users, based on a modified TOC methodology that meets the conditions of energy cost.

The transformers to which this standard applies are single-phase and three-phase, self-contained units or components of larger assemblies, 60 Hz, ANN, rated at 15–833 kV•A for single-phase and at 15–7500 kV•A for three-phase.

This standard addresses the test methods and procedures for determining the transformer efficiencies.

Amendments

Z341-98

Storage of Hydrocarbons in Underground Formations

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



Modifications publiées en français

Z341-98

Stockage des hydrocarbures dans les formations souterraines

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

Drafts

Please note: Public comments about the draft standards and proposed amendments listed in this issue are due by March 14, 2001.

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

- **B214, 1st edition**
Installation Code for Hydronic Heating
- **N286.0, 4th edition**
Overall Quality Assurance Program Requirements for Nuclear Power Plants

Proposed New Projects

For more information about the proposed development of the following new standard, contact Sally Richardson at (416) 747-2746 or sally.richardson@csa-international.org:

- **C863, 1st edition**
HID Lamp Ballast

Reaffirmed Standards

CAN/CSA-C358-95 (R2001)

Energy Consumption Test Methods for Household Electric Ranges

C657-95 (R2001)

Energy Performance Standard for Commercial Refrigerated Display Cabinets and Merchandisers

CAN/CSA-C819-95 (R2001)

Performance of General Service Fluorescent Lamps

Status of CSA Standards Projects

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

STATUS: 1 The project is under initial evaluation.

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SUBJECT	NUMBER	TYPE	STATUS
Performance, Energy Efficiency, and Renewables			
Performance of Electric Storage Tank Water Heaters	C191	ne	5
Performance Standard for Dusk-to-Dawn Luminaires	C239	ne	2
Construction Requirements for Storage Tank Water Heaters for Household Service, and Delivery Performance of Electric Storage Tank Water Heaters	C309	ne	C
Standard Methods of Test for Rating the Performance of Heat/Energy Recovery Ventilators	C439	ne	5
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	2
Installation of Electric Storage Tank and Heat Pump Water Heaters for Residential Use	C652	ne	5



SUBJECT	NUMBER	TYPE	STATUS
Performance Standard for Roadway Lighting Luminaires	C653	ne	2
Energy Efficiency for Single- and Three-phase Small Motors	C747	ne	H
Test Method for Measuring Energy Consumption of Electric Arc Welding Equipment	C805	ns	C
Uninterruptible Power Supplies	C813.0	ns	C
Performance Test Methods for Uninterruptible Power Supplies	C813.1	ns	5
Small Fluid Pumps	C820	ns	2
Performance of Internally Lighted Exit Signs	C860	ne	2
Performance of Incandescent Reflector Lamps	C862	ne	4
Performance of Ballast for Use With High Intensity Discharge Lamps	C863	ns	1
Fire Safety and Fuel Burning Equipment			
Oil-Fired Service Water Heaters and Swimming Pool Heaters	B140.12	ne	1
Mechanical Flue-Gas Exhausters	B255	ne	1
Installation Code for Solid-Fuel-Burning Appliances and Equipment	B365	ne	4
Performance Testing of Solid-Fuel-Burning Heating Appliances	B415.1	ne	3
Installation and Maintenance of Farm Stand-by Electric Power	C679	ns	2
Nuclear			
General Requirements for Pressure-Retaining Systems and Components in CANDU Nuclear Power Plants	N285.0	ne	4
Environmental Requirements for the Design of CANDU Nuclear Power Plants	N290.13	ns	2
Requirements for Safety Related Structures for CANDU Nuclear Power Plants	N291	ns	C
Pool Storage of Irradiated CANDU Fuel	N292.1	ns	C
Decommissioning of Facilities Containing Radioactive Materials	N294.0	p	C
Oil & Gas Industry Systems			
Steel Line Pipe	Z245.1	ne	1
Steel Fittings	Z245.11	ne	5
Steel Flanges	Z245.12	ne	5
Steel Valves	Z245.15	ne	5
Liquefied Natural Gas (LNG)–Production, Storage, and Handling	Z276	ne	3



Proposed Adoption of Standards

For more information about the proposed adoption of the following ISO standard, please contact David Zimmerman at (416) 747-2479 or david.zimmerman@csa-international.org:

- ISO 14015
Environmental Management—Environmental Assessment of Sites and Organizations

Reaffirmed Standards

PLUS 1107 (R2001)
User's Guide to Life Cycle Assessment: Conceptual LCA in Practice

PLUS 1109 (R2001) (pending new edition)
Environmental Terminology for Canadian Business

PLUS 1115 (R2001)
Life Cycle Review

PLUS 1117 (R2001)
Competing, Leaner, Keener and Greener: A Small Business Guide to ISO 14000

PLUS 1131 (R2001)
Reporting on Environmental Performance

Z762-95 (R2001)
Design for the Environment (DFE)

Z766-95 (R2001)
Environmentally Responsible Procurement ("Green Procurement")

Withdrawn Standards

Z754-94
Guideline for Pollution Prevention

Status of CSA Standards Projects

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

- STATUS:**
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SUBJECT	NUMBER	TYPE	STATUS
Environmental Technology			
Measurement of Ground-Borne Vibration from Transportation Sources	Z107.40	ns	H
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
Environmental Management Systems			
The SFM Essentials	PLUS 1136	spec	2
ISO 14000 Sector Guide for Office Buildings	PLUS 1150	spec	5
ISO 14000 Sector Guide for Colleges and Universities	PLUS 1151	spec	5
ISO 14000 Sector Guide for Schools	PLUS 1152	spec	5
ISO 14000 Sector Guide for Hospitals	PLUS 1153	spec	5
ISO 14000 Sector Guide for Municipalities	PLUS 1154	spec	5
Guide to ISO 14001/4 and Legal Compliance in Canada	PLUS 1162	spec	1
Environmental Site Assessment	ISO 14015	ns	1
Environmental Labels and Declarations—Type III Environmental Labelling—Guiding Principles and Procedures	ISO 14025	ns	5



SUBJECT	NUMBER	TYPE	STATUS
Environmental Management—Life Cycle Assessment— —Examples for the Application of ISO 14042	ISO 14047	ns	1
—Data Documentation Format	ISO 14048	ns	1
—Examples of ISO 14041 Goal and Scope Definition and Inventory Analysis	ISO 14049	ns	5
Definition of Household Hazardous Waste (HHW)	Z752	ns	2
Guideline for Environmental Assessment	Z770	ns	H



Status of CSA Standards Projects

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SUBJECT	NUMBER	TYPE	STATUS
Telecommunications/Information Technology			
Information Technology–OSI–Systems Management Overview	ISO/IEC 10040	ns	H
Information Technology–Universal Multiple-octet Coded Character Set (UCS)–Part 1: Architecture and Basic Multilingual Plane	ISO/IEC 10646-1	ns	4
Information Technology–Elements of Management Information Related to OSI Transport Layer	ISO/IEC 10737	ne	H
Information Technology–Generic Cabling for Customer Premises	ISO/IEC 11801	ns	H
Information Technology Vocabulary	Z243.58	ne	H



Quality/ Business Management

New Standards & Editions

CAN/CSA-ISO 9000-00, 2nd edition
(Adopted ISO 9000:2000, 2nd edition)
*Quality Management Systems—Fundamentals and
Vocabulary* \$90

This standard describes fundamentals of quality management systems, which form the subject of the ISO 9000 family, and defines related terms.

CAN/CSA-ISO 9001-00, 3rd edition
(Adopted ISO 9001:2000, 3rd edition)
Quality Management Systems—Requirements \$80

This standard specifies requirements for a quality management system to help an organization:

- demonstrate its ability to consistently provide products that meet the requirements of customers and regulators, and
- enhance customer satisfaction through the effective application of the system, including processes for continual improvement of the system and the assurance of conformity to the requirements of customers and regulators.

The ISO 9001 requirements are generic and apply to organizations of all types, sizes and products.

CAN/CSA-ISO 9004-00, 2nd edition
(Adopted ISO 9004:2000, 2nd edition)
*Quality Management Systems—Guidelines for Performance
Improvements* \$120

This standard provides guidelines beyond the requirements in ISO 9001 in order to consider both the effectiveness and efficiency of a quality management system. The focus is on achieving ongoing improvement, measured through the satisfaction of customers and other interested parties.

Proposed Adoption of Standards

For more information about the proposed adoption of the following ISO standard, contact David Zimmerman at (416) 747-2479, or david.zimmerman@csa-international.org:

- ISO 10012:2000
*Quality Assurance Requirements for Measuring
Equipment*

Nouvelles parutions en français

CAN/CSA-ISO 9000-00, 2^e édition
(norme ISO 9000:2000, 2^e édition, adoptée)
*Systèmes de management de la qualité—Principes essentiels
et vocabulaire* 90 \$

Cette norme décrit les principes essentiels des systèmes de management de la qualité, objet de la famille des normes ISO 9000, et en définit les termes associés.

CAN/CSA-ISO 9001-00, 3^e édition
(norme ISO 9001:2000, 3^e édition, adoptée)
Systèmes de management de la qualité—Exigences . . . 80 \$

Cette norme spécifie les exigences relatives au système de management de la qualité lors qu'un organisme

- a) doit démontrer son aptitude à fournir régulièrement un produit conforme aux exigences des clients et aux exigences réglementaires applicables,
- b) vise à accroître la satisfaction de ses clients par l'application efficace du système, y compris les processus pour l'amélioration continue du système et l'assurance de la conformité aux exigences des clients et aux exigences réglementaires applicables.

CAN/CSA-ISO 9004-00, 2^e édition
(norme ISO 9004:2000, 2^e édition, adoptée)
*Systèmes de management de la qualité—Lignes directrices
pour l'amélioration des performances* 120 \$

Cette norme fournit des lignes directrices qui vont au-delà des exigences de l'ISO 9001 afin de tenir compte à la fois de l'efficacité et de l'efficience d'un système de management de la qualité. L'obtention d'une amélioration permanente, mesurée par le biais de la satisfaction des clients et des autres parties intéressées, constitue le principal objet de cette norme.

Proposed New Projects

For more information about the proposed development of the following new edition, contact David Zimmerman at (416) 747-2479, or david.zimmerman@csa-international.org:

- PLUS 9001, 3rd edition
ISO 9000:2000 Essentials

Reaffirmed Standards

CAN/CSA-Z234.3-89 (R2001) (pending new edition)
Guide for Selection and Use of Preferred Numbers



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
Quality Assurance			
Quality Assurance Requirements for Measuring Equipment	ISO 10012	ne	1
Generally Accepted Management Principles and Practices	Q900.1	spec	H
Basic Engineering			
Metric Practice Guide	Z234.1	ne	5



Construction Products and Materials

New Standards & Editions

A277-01, 4th edition

Procedure for Certification of Factory-Built Houses . \$45

This standard covers the procedure for certification of factory-built houses, including modular, panelized, and mobile homes. It provides for the following:

- certification of the plant quality program
- certification of the product built
- auditing of the plant quality program
- in-plant inspection of the product built.

A440/A440.1-00, 4th edition

Windows / User Selection Guide to CSA Standard A440 \$100

A440 and A440.1 apply to:

- both fixed and operable windows that are factory-assembled and intended for vertical installation in buildings
- both fixed and operable windows that are installed in prime doors
- door transoms and door sidelites
- certain combination and composite windows.

B64 Series-01, 4th edition

Backflow Preventers and Vacuum Breakers \$95

This series consists of standards for vacuum breakers and backflow preventers that are designed for use in potable water supply systems to prevent cross-connections.

B64.10-01/B64.10.1-01, 4th edition

Manual for the Selection and Installation of Backflow Prevention Devices/ Manual for the Maintenance and Field Testing of Backflow Prevention Devices . . \$35

B64.10 provides requirements for the selection and installation of backflow prevention devices. It also includes information on how backflow due to back siphonage and back pressure occurs, and on the selection and application of specific devices.

B64.10.1 provides requirements for the maintenance and field testing of backflow prevention devices.

Amendments

A23.3-94

Design of Concrete Structures

Revision of Clauses 8.3.3, 10.5.2, 10.6.2, 10.15.3, 12.0, 12.5.2, 13.0, 13.4.4, 13.4.7.5, 13.4.8.6, 13.11.2, 13.12.2.1, 13.12.2.2, 21.2.4.1, 21.9.3.2, and D3.1, and Table 21-1. Addition of Clauses 11.2.13, 11.2.13.1, 11.2.13.2, 11.2.13.3, 13.4.9.6, and Figure 11-0.

CAN/CSA-Z240 MH Series-92

Mobile Homes

Revision of the following Clauses:

- CAN/CSA-Z240 MH Series-92: Contents
- CAN/CSA-Z240.0.1-92: Clauses 2.2 and 3.1
- CAN/CSA-Z240.2.1-92: Clauses 2.2, 4.2.3, 4.2.3.1, 4.2.3.2, 4.3.1.1, 4.3.2.1, 4.3.2.2, 4.3.2.3, 5.3, 5.3.1, 5.3.2, 5.3.3, 5.8, 5.8.1, 5.8.2, 5.8.3, 7.5.2.3, 7.5.2.4, 7.5.2.5, 7.5.3, and Table 9
- CAN/CSA-Z240.3.1-92: Clauses 2.2, 3.6.1, and Table 1
- CAN/CSA-Z240.9.1-92: Clause 4.2.1

Addition of the following Clauses:

- CAN/CSA-Z240.2.1-92: Clauses 4.1.2.1– 4.1.2.3 and 5.3.3.1–5.3.3.5
- CAN/CSA-Z240.3.1-92: Clause 3.6.6

Deletion of the following Clauses:

- CAN/CSA-Z240.2.1-92: Clauses 5.8.4–5.8.14, 7.5.2.6, 7.5.3.1, and 7.5.3.2.

Proposed New Projects

For more information about the proposed development of the following new edition, contact Sally Richardson at (416) 747-2746 or sally.richardson@csa-international.org:

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

Withdrawn Standards

B67-1972 (R1996)

Lead Service Pipe, Waste Pipe, Traps, Bends and Accessories



Proposed Withdrawal of Standards

For more information about the proposed withdrawal of the following standard, contact Lawrence Fogwill at (416) 747-2720 or lawrence.fogwill@csa-international.org:

- **CAN/CSA-G312.3-M92 (R1998)**
Metric Dimensions for Structural Steel Shapes and Hollow Structural Sections

For more information about the proposed withdrawal of the following standard, contact Bill Glover at (416) 747-2692 or bill.glover@csa-international.org:

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

Reaffirmed Standards

CAN/CSA-G40.23-94 (R2001)
Steel-Surfacing Finish of Hot-Rolled Plates and Wide Flats-Delivery Requirements

S307-M1980 (R2001)
Load Test Procedure for Wood Roof Trusses for Houses and Small Buildings

Proposed Reaffirmation of Standards

For more information about the proposed reaffirmation of the following standards, contact Lawrence Fogwill at (416) 747-2720 or lawrence.fogwill@csa-international.org.

Pour plus de renseignements sur le projet de confirmation des normes qui suivent, veuillez communiquer avec Lawrence Fogwill au (416) 747-2720, lawrence.fogwill@csa.ca.

- **W375 SEC. 1-1984**
Terminologie française du soudage, Section 1 : Discontinuités et défauts de soudage
- **W375 SEC. 2-1986**
Terminologie française du soudage, Section 2 : Procédés de soudage et techniques connexes
- **W375 SEC. 3-1990**
Terminologie française du soudage, Section 3 : Assemblages, préparations et soudures

For more information about the proposed reaffirmation of the following standards, contact Bill Glover at (416) 747-2692 or bill.glover@csa-international.org:

- **O115-M1982**
Hardwood and Decorative Plywood
- **O118.2-1981**
Eastern White Cedar Shingles (Imperial Version)
- **O118.3-93**
Northern Pine Tapersawn Shakes
- **O437 Series-93**
Standards on OSB and Waferboard
- **O452 Series-94**
Design Rated OSB
- **S408-1981**
Guidelines for the Development of Limit States Design

For more information about the proposed reaffirmation of the following standard, contact John Maheu at (416) 747-2511 or john.maheu@csa-international.org:

- **S478-95**
Guideline on Durability of Buildings

For more information about the proposed reaffirmation of the following standards, contact Sally Richardson at (416) 747-2746 or sally.richardson@csa-international.org:

- **CAN/CSA-A324-M88 (R1996)**
Clay Flue Liners
- **CAN/CSA-A369.1-M90 (R1996)**
Method of Test for Compressive Strength of Masonry Prisms

Formal Interpretations

The following interpretation has been approved by the Committee on the *Welding of Bridges, Buildings and Machinery*.

Question: Can the FCAW process be used to repair stud flash? Ref. Clause 5.6.6.4.12 and H4.1 of CSA W59-1989.

Answer: No.



Certification Notices

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

Effective Date	Subject	Title
▶ March 28, 2001	Publication of CSA standard A23.4-00/A251-00, <i>Precast Concrete—Materials and Construction/ Qualification Code for Architectural and Structural Precast Concrete Products</i> . (Note: For new customers, the effective date is December 1, 2000.)	Concrete Products No. 3
March 31, 2001	Publication of CSA standard B66-00, <i>Prefabricated Septic Tanks and Sewage Holding Tanks</i> (Supersedes Certification Notice “Plumbing Products No. 77.”). Note: For new customers, the effective date is October 20, 2000.	Plumbing Products No. 137
▶ July 31, 2001	Publication of CSA standard B127.1-99, <i>Asbestos Cement Drain, Waste, and Vent Pipe and Pipe Fittings</i> . (Supersedes Certification Notice “Plumbing Products No. 20A,” and Informs “Plumbing Products No. 1.”)	Plumbing Products No. 136

Status of CSA Standards Projects

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

STATUS: 1 The project is under initial evaluation.

2 The technical content is being drafted.

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

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

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

H The publication is on hold.

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

SUBJECT	NUMBER	TYPE	STATUS
Building Materials and Masonry			
Building Performance Protocol for Office Buildings	PLUS 1149	spec	H
Asphalt Coated Roofing Sheets	A123.2	ne	1
Asphalt-saturated Felted Glass-fibre Mat for Use in Built-up Roofs	A123.17	ne	1
Asphalt Shingle Application on Roof Slopes 1:3 and Steeper	A123.51	ne	1
Asphalt Shingle Application on Roof Slopes 1:6 to less than 1:3	A123.52	ne	1
Entry Door Systems	A440.6	ns	1
Concrete			
Plant Certification for Manufacturers of Concrete Roof Tiles	A220.0/.1/.2	ne	H
Welding			
Steel Wire Rope for General Purpose and for Mine Hoisting and Haulage	G4	ne	3
Corrugated Steel Pipe Products	G401	ne	4
Certification of Companies for Fusion Welding of Steel Structures	W47.1	ne	2
Welding Consumables	W48	ne	5
Welded Steel Construction (Metal Arc Welding)	W59	ne	4
Safety in Welding, Cutting, and Allied Processes	W117.2	ne	5
Certification of Welding Inspection Organizations	W178.1	ne	3



SUBJECT	NUMBER	TYPE	STATUS
Certification of Welding Inspectors	W178.2	ne	4
General Certification of Companies for Welding Steel	W835	ns	C
Performance Testing of Welders, Tack Welders, and Welding Operators for the Fusion Welding of Steel	W901	ns	2
Forest Products			
Wood Utility Poles and Reinforcing Stubs	O15	ne	H
Eastern White Cedar Shingles	O118.2	ne	H
Industrialized Building Construction			
Industrial and Commercial Storage Racking Systems	A344	ns	2
Park Model Trailers	Z241 Series	ne	1
Log Homes and Buildings	Z824	ns	1
Structures (Design)			
Engineering Design in Wood	O86	ne	4
Canadian Highway Bridge Design Code	S6	ne	3
Design of Steel Structures	S16	ne	1
Antennas, Towers, and Antenna-Supporting Structures	S37	ne	4
Strength Design in Aluminum	S157	ne	4
Masonry Design for Buildings (LSD)	S304.1	ne	2
Parking Structures	S413	ne	1
Limit States Design of Advanced Composite Materials for Buildings	S806	ns	3
Ferryboat Boarding Facilities	S826	ns	5
Guideline for Seismic Risk Reduction of Operational and Functional Components (OFC) of Buildings	S832	ns	3