



CANADIAN STANDARDS  
ASSOCIATION

# INFO UPDATE

## ***Energy***

### **Volume 7 — November 2008**

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*Info Update* is published by the Canadian Standards Association (CSA) eight times a year. It contains important information about new and existing standards, e.g., recently published standards, and withdrawn standards. It also gives you highlights of other activities and services.

CSA offers a free online service called *Keep Me Informed* that will notify registered users when each new issue of *Info Update* is published. To register go to <http://www.csa-intl.org/onlinestore/KeepMeInformed/PleaseIdentifyYourself.asp?Language=EN>.

To view the complete issue of *Info Update* visit <http://standardsactivities.csa.ca/standardsactivities/default.asp?language=en>.

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### What you'll find

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Within each program, information is organized into the following sections:

#### **Completed Projects / Projets terminés**

##### ▼ **New Standards – New Editions – Special Publications**

This section lists new standards, new editions (including adoptions), and special publications that have been published since the last issue of *Info Update*. To place your order call 1-800-463-6727 or visit our Online Store at <http://www.csa.ca>. Prices shown are quoted in Canadian dollars and do not include applicable taxes or shipping charges. Our office locations are listed at the end of this document.

##### ▼ **Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français**

Cette section énumère les nouvelles normes et éditions (y compris les normes adoptées) ainsi que les publications spéciales qui ont paru depuis la dernière livraison du bulletin Info-Update. Pour commander, composez le 1 800 463-6727 ou visitez notre Boutique en ligne, au <http://www.csa.ca>. Les prix sont indiqués en dollars canadiens et ne comprennent pas les taxes pertinentes ni les frais d'expédition. La liste de nos bureaux est présentée à la fin de ce document.

##### ▼ **Amendments**

Amendments are issued periodically for some standards. This section lists amendments that have been published since the last issue of *Info Update*. Most amendments are made available to the purchaser free of charge by returning the update notification card included in the standard or registering online for the update service through the Online Store at <http://www.csa.ca> and clicking on "My Account" on the navigation bar. Amendments developed by other standards development organizations, and adopted by CSA are made available for a fee. The prices shown are quoted in Canadian dollars and do not include applicable taxes or shipping charges.

##### ▼ **Modifications publiées en français**

Dans le cas de certaines normes, des modifications sont publiées à intervalles réguliers. Cette section présente la liste des modifications publiées depuis la dernière livraison du bulletin *Info-Update*. La plupart des modifications étant offertes gratuitement, vous n'avez qu'à remplir et à nous retourner la carte d'avis de mise à jour incluse avec chaque norme. Vous pouvez également vous inscrire en direct à notre service de mise à jour en vous rendant à la Boutique en ligne, au <http://www.csa.ca>, et en cliquant sur le bouton « Mon compte » de la barre de navigation. Des frais s'appliquent toutefois aux modifications élaborées par d'autres organismes de normalisation et adoptées par la CSA. Les prix sont indiqués en dollars canadiens et ne comprennent pas les taxes pertinentes ni les frais d'expédition.

##### ▼ **Adopted Standards**

Adopted standards have been developed by another standards development organization and have been approved by our technical committee for use in Canada, with or without modification. They are available for sale from CSA. You will find published adopted standards listed under "New Standards — New Editions — Special Publications."

##### ▼ **Endorsed Standards**

Endorsed standards have been developed by another standards development organization, and have been approved by the appropriate CSA technical committee for use in Canada.

Endorsed standards are not sold by CSA.

For copies, contact the originating organization or Global Info Centre Canada at 1-800-854-7179 or 613-237-4250; fax 613-237-4251; e-mail [gic@ihscanada.ca](mailto:gic@ihscanada.ca); Web site <http://www.global.ihs.com>.

## **Completed Projects (cont'd) / Projets terminés (suite)**

### ▼ Reaffirmed Standards

The standards listed in this section have been reviewed to determine if they remain technically valid and are acceptable for use until the next edition is published or for a further five years.

### ▼ Withdrawn Standards

The standards listed in this section have been withdrawn. Most withdrawn standards are available from our archived collection. Some copies may not be in original format.

To order, call toll-free 1-800-463-6727 (in Toronto, 416-747-4044).

### ▼ Formal Interpretations

This section lists questions that individuals have submitted about a particular standard. Each question has been reviewed and answered by the appropriate committee. If you would like to submit a question about a particular standard, please see the end notes in the preface of that standard.

## **Under Development**

The *Under Development* section formerly published in *Info Update* is now available directly on the CSA website. This enhancement allows us to provide you with these important notifications on a more timely basis. To visit the new "Current Standards Activities" page, go to: <http://standardsactivities.csa.ca/standardsactivities/default.asp?language=en>.

## **Certification and Testing (CSA International)**

### ▼ Informs Notices (Bulletins from CSA International)

An *Informs* is a notice containing information only. It does not contain anything that would require you to resubmit products for certification. If you would like a copy of an *Informs* notice, call CSA International at 416-747-4171, or fax 416-747-2476.

### ▼ Certification Notices

Certification notices inform you about changes that would require a product to be resubmitted for certification or about critical factors that may affect a product's certification. Products must comply with the changed requirements by the effective dates given.

CSA certification and testing clients receive these notices automatically. If you did not receive a copy or would like to receive one, call CSA International at 416-747-2488, or fax 416-747-4173.



## Completed Projects / Projets terminés

### New Standards – New Editions – Special Publications

#### **C381.1-08, 1st edition**

*Test Method for Calculating the Energy Efficiency of Single-Voltage External AC-DC and AC-AC Power Supplies*

PDF only ..... \$50

This standard specifies a test method for calculating the energy efficiency of external power supplies (EPS) across a full range of load conditions. It covers single-voltage external ac-dc and ac-ac power supplies that provide one ac or dc output that is at a fixed voltage or is user selectable through a sector switch.

The test method specified in this standard is intended to complement the methodology contained in CSA C381.2. Products within the scope of CSA C381.2 are not intended to be tested by this standard.

This standard is not intended to replace CAN/CSA-C62301, which focuses on the measurement of standby power, but to complement it by including measurement requirements for no-load and active-mode conditions.

#### **C381.2-08, 1st edition**

*Test Method for Determining the Energy Efficiency of Battery-Charging Systems*

PDF only ..... \$50

This standard specifies a test method for determining the energy ratio of devices that charge and maintain secondary batteries.

This standard applies to battery-charging systems that have all of the following characteristics:

- battery chemistries such as nickel cadmium, lead acid, lithium ion, and nickel-metal hydride, but not primary cell chemistries such as alkaline “dry” cells
- a battery voltage less than 50 V
- a nominal charging input rating less than or equal to 300 W or 500 V•A.

This standard is intended to evaluate products whose primary function is either:

- a) battery charging; or
- b) other than battery charging, but whose power consumption can be disabled to allow the determination of the energy ratio of the battery charging system.

The test method specified in this standard is intended to complement the methodology contained in CSA C381.1. Products within the scope of CSA C381.1 are not intended to be tested by this standard.



## New Standards – New Editions – Special Publications (cont’d)

### **N285.5-08, 3rd edition**

*Periodic Inspection of CANDU Nuclear Power Plant Containment Components*

Paper .....	TBA
PDF .....	\$150

This standard specifies requirements for the periodic inspection of containment system components, including containment pressure suppression systems, in CANDU nuclear power plants.

The inspection requirements specified in this standard provide assurance of the structural integrity of metallic and plastic containment system components.

This standard specifies requirements for the following:

- inspection
- accessibility
- inspection methods and procedures
- personnel qualifications
- inspection criteria
- inspection program development
- inspection frequency
- evaluation of inspection results
- disposition of defects
- repairs
- documentation
- records.

### **N288.1-08, 2nd edition**

*Guidelines for Calculating Derived Release Limits for Radioactive Material in Airborne and Liquid Effluents for Normal Operation of Nuclear Facilities*

Paper .....	\$340
PDF .....	\$310

The previous edition of CSA N288.1 and the CANDU Owners Group (COG) DRL guidance document were intended to apply primarily to CANDU nuclear power stations in Canada; this remains the focus of this guideline.

However, the radionuclides and environmental pathways addressed make this guideline applicable to releases from many other nuclear facilities, including research reactors, radioisotope processing facilities, waste processing facilities such as incinerators, and power reactors other than those of CANDU design. Application to other types of facilities such as fuel fabrication plants and refineries is limited by the radionuclides considered here.

However, neither the radionuclides nor the models included in this guideline are complete enough to cover releases from sources such as uranium mine tailings, permanent geologic disposal facilities, and other facilities where extensive modelling of groundwater pathways is required. This guideline may be adapted to cover part of the needs of such facilities, but additional models or methodologies might be necessary for other parts.

**New Standards – New Editions – Special Publications (cont’d)**

**N288.1-08 (cont’d)**

This guideline covers releases to the atmosphere and to surface water (both fresh and marine). It does not address releases to groundwater, although transfers from other media to groundwater wells and ponds are considered. Direct gamma irradiation from radioactivity inside the facility is not modelled because it does not involve a release.

**Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français**

**F383-08, 2<sup>e</sup> édition**

*Installation des chauffe-eau solaires d’usage ménager intégrés*

PDF seulement ..... 65 \$

Cette norme énonce les exigences relatives à l’installation des chauffe-eau solaires d’usage ménager intégrés (CESUM) qui satisfont à la série CSA F379.

**Amendments**

**N293S1-08**

*Supplement No. 1 to N293-07, “Fire Protection for CANDU Nuclear Power Plants”*

This document has been incorporated into the N293-07 Consolidated version. It is not available as a separate document.

**Reaffirmed Standards**

**CAN/CSA-P.7-98 (R2008)**

*Testing Method for Measuring Energy Loss of Gas-Fired Instantaneous Water Heaters*

**Withdrawn Standards**

**CAN/CSA-F429-M90 (R2004)**

*Recommended Practice for the Installation of Wind Energy Conversion Systems*