



**CANADIAN STANDARDS  
ASSOCIATION**

# INFO UPDATE

## ***Energy***

### **Volume 1 — January/February 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 It contains important information about new and existing standards, e.g., recently published standards, and withdrawn standards.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 416-747-4171, or fax 416-747-2476.



## Completed Projects / Projets terminés

### New Standards – New Editions – Special Publications

#### **CAN/CSA-C62301:07, 1st edition (bilingual)**

*Household electrical appliances — Measurement of standby power*

(Adopted CEI/IEC 62301:2005, first edition, with Canadian deviations) ..... \$115

This standard specifies methods of measurement of electrical power consumption in standby mode. It applies to mains powered electrical household appliances and to the mains powered parts of appliances that use other fuels such as gas or oil.

The objective of this standard is to provide a method of test to determine the power consumption of a range of appliances and equipment in standby mode (generally where the product is not performing its main function). This standard defines “standby” mode as the lowest power consumption when connected to the mains. The test method also applies to other low power modes where the mode is steady state or providing a background or secondary function.

#### **N292.2-07, 2nd edition**

*Interim Dry Storage of Irradiated Fuel*..... \$200

This standard applies to interim dry storage systems for irradiated fuel.

This standard specifies requirements for the site selection, design, construction, commissioning, operation, and decommissioning of dry storage systems. Dry storage systems include all facilities, structures, support services, and equipment required for the following:

- transferring irradiated fuel
- container processing
- storage of irradiated fuel
- monitoring
- retrieval of irradiated fuel from dry storage
- decommissioning planning.

This standard specifies safety and security requirements for dry storage systems.

#### **N293-07, Consolidated 3rd edition**

*Fire Protection for CANDU Nuclear Power Plants*..... \$200

This reprint is being issued to incorporate revisions (Update No. 1 – January 2008) into the original standard.




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

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**CAN/CSA-C62301:07, 1<sup>re</sup> édition (bilingue)**

*Appareils électrodomestiques — Mesure de la consommation en veille* (norme CEI/IEC 62301:2005, première édition, adoptée avec exigences propres au Canada) ..... 115 \$

Cette norme spécifie les méthodes de mesure de la consommation électrique en mode veille. Elle s'applique aux appareils électrodomestiques connectés au réseau et aux parties d'appareils connectés au réseau qui utilisent d'autres combustibles tels que le gaz ou le pétrole.

L'objet de ce projet de norme est de fournir une méthode d'essai pour déterminer la consommation de courant d'une gamme d'appareils et d'équipements en mode veille (généralement quand le produit n'effectue pas sa fonction principale). Cette norme définit le mode «veille» comme la consommation de puissance la plus faible lorsqu'il y a raccordement au réseau. La méthode d'essai est également applicable à d'autres modes de faible puissance si le mode est en régime établi ou fournit une fonction de fond ou secondaire.

**N290.5-06, 2<sup>e</sup> édition (bilingue)**

*Exigences relatives aux systèmes d'alimentation électrique et en air d'instrumentation des centrales nucléaires CANDU*..... 100 \$

Cette norme traite de la conception, de l'approvisionnement, de la qualification, de la construction, de l'installation, de l'inspection et de la documentation relatifs aux systèmes d'alimentation électrique et en air d'instrumentation des centrales nucléaires CANDU. Ces systèmes sont considérés comme des systèmes de sûreté auxiliaires.

Les systèmes d'alimentation électrique et en air d'instrumentation des centrales nucléaires CANDU comprennent les structures, les systèmes, l'équipement et les composants nécessaires au fonctionnement des systèmes liés à la sûreté.

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**Amendments**

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**CAN/CSA-C749-07**

*Performance of Dehumidifiers*

Revision of the outside front cover and the title page. Addition of National Standards of Canada text.

**N286-05**

*Management System Requirements for Nuclear Power Plants*

Revision of the Contents and Clause 6.4. Addition of Annex G.

## Amendments (cont'd)

### **N293-07**

#### *Fire Protection for CANDU Nuclear Power Plants*

Revision of the Contents and Clauses 1.2, 2, 3, 4.3.1, 4.5, 5.6.2.2, 5.7.1.1, 5.7.1.2, 5.7.2.2, 5.7.2.4, 5.7.3.1, 5.7.4.2.1, 5.7.5.1.1, 6.3.3.3, 6.7.2.1, 6.8.1.1, 6.8.2.5, 6.8.6.3, 7.2.1.2, 7.2.1.3, 7.2.1.5, 7.2.1.6.2, 7.2.1.6.4, 7.2.1.11, 7.2.3.1, 7.2.3.2, 7.3.1.1.3, 7.4, 8.1, 8.2.1.2, 8.2.1.5, 8.2.3.5.2, 8.2.3.6.2, 8.2.3.7.1, 8.2.4.3, 8.2.9.2, 8.3.3.1, 9.2.7, 9.3.5, 10.1.1, 10.1.3, 11.1.2.2, 11.1.2.3, 11.2.1, 11.2.2, 11.4, 11.5.1, 11.6, 11.8.1, A.5.3.4, A.5.4.2.6, A.5.4.3.1, A.5.5.2.2, A.5.5.2.3, A.5.7.1.1, A.5.7.2.5, A.5.9.2, A.6.3, A.6.6.2, A.6.7.1.2, A.6.7.1.3, A.6.8.2.5, A.6.8.6.3, A.6.8.7.3, A.7.2.1, A.8.1, A.8.2.3.5.1, A.11.2.2, A.11.4, A.11.5.1, A.11.5.2, A.11.6, A.11.7.2, B.1.1, B.1.2.1, B.1.2.2, B.1.2.3, B.1.3.1, B.1.3.2, B.2.3, B.2.4, B.4.12, B.6.1, B.6.3, B.6.4, B.7.1, B.7.2.2, B.7.3, B.7.6.1, B.7.6.2, B.8.1, B.9.4, B.10.1, and B.11. Addition of Clauses A.5.6.2.2, A.6.7.2.1(c), A.8.2.3.6.2, and A.8.3.4.1. Deletion of Clauses 4.3.3 and 8.2.9.5.

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## Modifications publiées en français

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### **CAN/CSA-C749-07**

#### *Performances des déshumidificateurs*

Des modifications ont été apportées à la première de couverture et à la page titre.  
Le texte relatif aux Normes nationales du Canada a été ajouté.

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## Reaffirmed Standards

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### **CAN/CSA-N287.2-M91 (R2008)**

#### *Material Requirements for Concrete Containment Structures for CANDU Nuclear Power Plants*

### **CAN3-N289.1-80 (R2008)**

#### *General Requirements for Seismic Qualification of CANDU Nuclear Power Plants*



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## Formal Interpretations

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The following interpretations regarding Clauses 8.2.1.1.1, 8.2.3.1.2 and 8.2.6 of CSA standard **Z662-07**, *Oil and Gas Pipeline Systems*, has been approved by the Technical Committee K110 Petroleum and Natural Gas Industry Pipeline Systems and Materials.

**Question 1 (Clause 8.2.1):** Is it the intent that for piping operating at pressures greater than 700 kPa and successfully undergoing a strength test followed by a leak test, using a liquid medium, that these tests are to be conducted separately?

I.e., when the strength test is completed for the required duration (hold time), the pressure be brought down to zero (0) and then re-pressured to the required leak test pressure.

**Answer:** Yes. The tests are to be conducted separately as the minimum pressures and durations are distinct. However, there is no requirement in the standard to lower the pressure to zero prior to conducting a leak test.

**Question 2 (Clause 8.2.3):** For piping that is to be tested with a gaseous medium, concurrent strength and leak tests may be conducted, provided that the pressure does not exceed a pressure corresponding to 100% of the SMYS of the pipe, and provided that an appropriate method for detecting leaks is used.

Is it the intent that for piping that is to be tested with a liquid medium, to allow concurrent strength and leak tests as well?

**Answer:** No.

**Question 3 (Clause 8.10.1):**

(a) Can doing a strength test to the required minimum test pressure and held for 4 hours in accordance with 8.10.1, when not fully exposed, be counted as satisfying the leak test requirement of 4 hours also?

**Answer:** No.

(b) Is an 8 hour test required to satisfy both strength and leak test durations?

**Answer:** Yes. A minimum of 4 hour strength test followed by a minimum of 4 hour leak test for a total duration of a minimum of 8 hours for a liquid medium.

The following interpretation regarding Clause 7.6.4.5 and Table 7.3 of CSA standard **Z662-07**, *Oil and Gas Pipeline Systems*, has been approved by the Technical Committee K110 Petroleum and Natural Gas Industry Pipeline Systems and Materials.

**Question:** Does a change from an EXXXX-G electrode to either an EXXXX-A1 or EXXXX-P1 electrode, or from either an EXXXX-A1 or EXXXX-P1 to an EXXXX-G electrode, constitute a change in essential variable for qualification of welding procedure specifications?

**Answer:** Yes. You must re-qualify your procedure.