



**General requirements for
pressure-retaining systems and
components in CANDU nuclear
power plants/Material Standards
for reactor components for
CANDU nuclear power plants**

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CANADIAN STANDARDS
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The following revisions have been formally approved and are marked by the symbol delta (Δ) in the margin on the attached replacement pages:

Revised	<p>N285.0-08/N285.6 Series-08: Table of Contents</p> <p>N285.0-08: Clauses 3, 7.2.2(d), 12.2.7, 12.3, 12.3.1–1.6.3.1, 1.6.3.2, and 1.6.3.5.1</p> <p>N285.6.2-08: Clause 3</p> <p>N285.6.7-08: Table 1</p> <p>N285.6.8-08: Tables A.1 and A.3</p> <p>N285.6.10-08: Clause 3</p> <p>N285.6.11-08: Clause 3</p>
New	<p>N285.0-08: Clauses 1.3A, 14.5.4, and 1.6.3.2.1–1.6.3.2.4</p> <p>N285.6.1-08: Clause 8</p>
Deleted	<p>N285.0-08: Clauses 12.3.2, 12.3.7–12.3.9, and 1.6.3.3 and Figure 7</p> <p>N285.6.1-08: Clause 7.1</p>

CSA N285.0-08/N285.6 Series-08 originally consisted of **209 pages** (xv preliminary and 194 text), each dated **June 2008**. It now consists of the following pages:

June 2008	xiii–xv, 2, 5–8, 13–16, 19–34, 39–44, 47–58, 61–114, 117–132, 135, 136, 139, 162, 165–176, 179–188, 191, and 192
June 2009	vi–xi, 3–4A, 9–12, 17, 18, 35–38, 45–46A, 59, 60, 115–116A, 133, 134, 137, 140, 163, 164, 177, 178, 189, 190, 193, and 194

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N285.0-08

General requirements for pressure-retaining systems and components in CANDU nuclear power plants

1 Scope

1.1

This Standard specifies the technical requirements for the design, procurement, fabrication, installation, modification, repair, replacement, testing, examination, and inspection of, and other work related to, pressure-retaining and containment systems, components, and supports over the service life of a CANDU nuclear power plant.

1.2

This Standard applies to all pressure-retaining systems, including their components and supports, in a CANDU nuclear power plant.

1.3

This Standard applies to containment components, but does not apply to concrete containment structures.

Δ 1.3A

This Standard does not apply to portable assemblies of pressurized items that are temporarily connected to a system or component to enable testing, venting, draining, calibration, or other maintenance activities, provided that they

- (a) do not reduce the ability of a special safety system or safety-related system to perform its design safety function;
- (b) are under surveillance when connected and are removed upon completion of their function; and
- (c) are constructed to Standards deemed by the licensee to be suitable for the application.

1.4

In CSA Standards, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that which is advised but not required; “may” is used to express an option or that which is permissible within the limits of the standard; and “can” is used to express possibility or capability. Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material. Notes to tables and figures are considered part of the table or figure and may be written as requirements. Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

1.5

The values given in SI (metric) units are the standard. The values given in parentheses are for information only.