

# System Classification



The following Code Classes are defined in the CSA N285.0 Standard:

## Class 1:

- Systems and sections of systems, and systems connected thereto, that contain fluid that directly transports heat from nuclear fuel, and whose failure would cause a loss of coolant accident as defined in the safety report

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## Class 2:

- Sections of systems that penetrate the containment structure and form part of the containment boundary

## Class 3:

- Systems and sections of systems not classified as Class 1 or 2 and that contain radioactive substances with a tritium concentration exceeding 74 GBq/kg (2Ci/kg)

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## Classes 1C, 2C and 3C:

- Components and supports in systems and sections of systems that would otherwise be classified as Class 1, 2, or 3, but to which the requirements of CSA-N285.0, Annex I apply

## Class 4:

- Components of the containment boundary or containment isolation barriers

# System Classification



<b>Canadian Code Class</b>	<b>Applicable CSA Standard</b>	<b>USA Code Class</b>	<b>Applicable ASME Section III Code</b>
Class1	N285.0	Class1	Subsection NB
Class2	N285.0	Class2	Subsection NC
Class3	N285.0	Class3	Subsection ND
Class1C,2C,3C	N285.0, Annex I	N/A	N/A
Class4	N285.0, Annex J	Class MC	Subsection NE