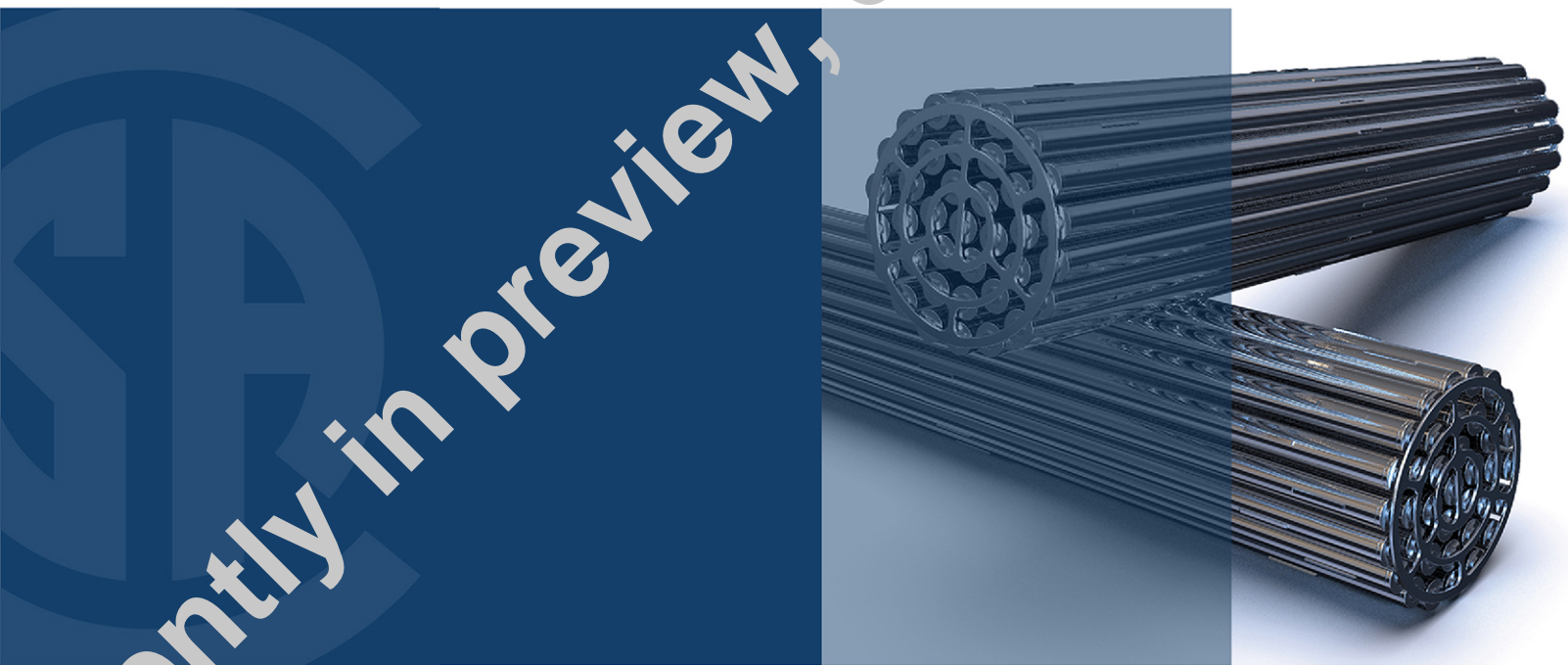




**Commentary on CSA N285.0:23, General requirements for pressure-retaining systems and components in CANDU nuclear power plants/Commentary on CSA N285.6 Series:23, Material Standards for reactor components for CANDU nuclear power plants**



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# Preface

This is the first edition of CSA N285.0COM, *Commentary on CSA N285.0:23, General requirements for pressure-retaining systems and components in CANDU nuclear power plants*. It replaces the previous editions published in 2018 and 2016 under the designation CSA N285.0.1. This Commentary is not a consensus product; that is, it is not a Standard and it has not been formally approved by a CSA Technical Committee.

This Commentary is based on the document titled *Explanation of requirements in the CSA N285 series for CANDU nuclear power plants*, which was written by Geoff Legg (AECL) and published in 1998 for members of the CSA N285A Technical Committee only. The discussion provided in this Commentary is directed towards the requirements in CSA N285.0:23 and does not address any amendments released since 2023. This Commentary also does not address CSA N285.6, *Material standards for reactor components for CANDU nuclear power plants*, which was released in conjunction with CSA N285.0. This Commentary does not provide formal interpretations of CSA N285.0 and should be viewed only as an informative annotation of portions of CSA N285.0. It is not written in the style typical of a standard, as this Commentary is informative. Instead, it has been written in informative (non-mandatory) language and is not intended to be adopted by users of CSA N285.0 or regulatory authorities as additional requirements. Significant changes between editions of CSA N285.0 are outlined, along with rationale for the changes, where needed.

**Note:** *CANDU (CANada Deuterium Uranium) is a registered trademark of Atomic Energy of Canada Limited (AECL).*

This Commentary responds to questions and comments raised by those who have participated in developing and implementing CSA N285.0. It provides a context and explanation for the structure and content of CSA N285.0, and outlines the governing principles and requirements. This Commentary does not cover the entire content of every clause of CSA N285.0. Where examples are used, they are not exhaustive, and for each example, there are many others that could have been chosen.

The intent is to update this Commentary after the publication of each new edition of CSA N285.0 so as to incorporate information associated with amendments to published editions and new editions, and to expand the Commentary as additional needs are identified.

This Commentary was prepared by Task Forces C & H — Commentary on CSA N285.0/N285.6 Series, under the jurisdiction of the Technical Committee on CANDU Nuclear Power Plant Pressure-Retaining Systems and Components and the Strategic Steering Committee on Nuclear Standards.

## Notes:

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