

Well integrity management for petroleum and natural gas industry systems



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Preface

This is the first edition of CSA Z624, *Well integrity management for petroleum and natural gas industry systems*.

CSA Group acknowledges that the development of this Standard was made possible, in part, by the support of the regulatory authorities and industry participants.

This Standard was prepared by the Technical Committee on Well Design and Well Integrity Management, under the jurisdiction of the Strategic Steering Committee on Petroleum and Natural Gas Industry Systems, and has been formally approved by the Technical Committee.

This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

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 - c) *wording of the proposed change; and*
 - d) *rationale for the change.*

CSA Z624:20

Well integrity management for petroleum and natural gas industry systems

0 Introduction

This Standard is intended to harmonize requirements and guidelines found across regional jurisdictions to establish one set of minimum requirements for integrity management of onshore upstream petroleum and natural gas wells throughout their life cycle from design and construction through operation, suspension, reactivation, and decommissioning.

The requirements of this Standard are considered to be adequate under conditions normally encountered in the onshore petroleum and natural gas industry. It is intended that all work performed within the scope of this Standard will meet or exceed the safety standards expressed or implied herein and that the requirements of this Standard be applied with due regard to the protection of the environment including land and water, plant and animal life. This Standard is intended to be applied in conjunction with other safety and security legislation, best practices, policies, standards and applicable codes.

It is expected that changes will be made from time to time, based on new experience and technology. Where necessary, amendments and supplements will be prepared and issued by the Technical Committee and published in accordance with CSA Group practices.

1 Scope

This Standard covers the integrity management of the life cycle of wells in the land-based upstream sector of the petroleum and natural gas industry.

1.1

The purpose of this Standard is to provide minimum requirements for ensuring well integrity, for the upstream sector of the petroleum and natural gas industry.

1.2

The Standard addresses

- a) well integrity management framework;
- b) design;
- c) well construction;
- d) operation;
- e) intervention; and
- f) decommission.

Note. Design will be referenced in this Standard; the details are covered in CSA Z625.

1.3

This Standard does not apply to

- a) offshore applications;
- b) unlicensed wells;