

# Management of work in confined spaces



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# Preface

This is the second edition of CSA Z1006, *Management of work in confined spaces*. It supersedes the previous edition published in 2010.

This Standard specifies requirements for and provides guidance on the activities required to manage all aspects of work in confined spaces in accordance with the Plan-Do-Check-Act cycle and management system principles, such as those set out in CAN/CSA-Z1000-14, *Occupational health and safety management*. This Standard specifies requirements concerning management commitment, leadership, and participation, assignment of roles and responsibilities, identification of confined spaces, identification of hazards, risk assessment, selection and application of controls, design considerations, training, monitoring and measurement, emergency response, documentation, internal audits, and management reviews. Five informative Annexes provide guidance on implementing this Standard's normative requirements, including sample forms that can be customized for the specific needs of the user.

Changes in this edition include

- a) improvement of the flow and readability of the document with the inclusion of additional flowcharts and tables and restructuring of content and clauses;
- b) addition of three informative Annexes to elaborate and provide additional information on rescue planning, atmospheric testing, monitoring, and instrumentation and ventilation systems;
- c) harmonization of this Standard with CAN/CSA-Z1000, CAN/CSA-Z1001, and CAN/CSA-Z1002; and
- d) elaboration on the information regarding workspace design and modification.

CSA acknowledges that the development of this Standard was made possible, in part, by the financial support of federal, provincial, and territorial occupational health and safety government agencies.

This Standard was prepared by the Technical Committee on Management of Confined Space Entry, under the jurisdiction of the Strategic Steering Committee on Occupational Health and Safety, and has been formally approved by the Technical Committee.

## Notes:

- 1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
- 2) *Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.*
- 3) *This Standard was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity”. It is consistent with this definition that a member may be included in the Technical Committee and yet not be in full agreement with all clauses of this Standard.*
- 4) *To submit a request for interpretation of this Standard, please send the following information to [inquiries@csagroup.org](mailto:inquiries@csagroup.org) and include “Request for interpretation” in the subject line:*
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- c) *wording of the proposed change; and*
- d) *rationale for the change.*

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# CSA Z1006:16

## Management of work in confined spaces

### 0 Introduction

This Standard provides

- a) an overview of the steps an organization needs to take to establish and maintain an effective confined space management program;
- b) safety information for workers entering confined spaces and for persons responsible for ensuring the safety of such workers; and
- c) requirements for confined space emergency preparedness and rescue.

This Standard is consistent with CAN/CSA-Z1000 in that it is intended to help users integrate their confined space management program into an organization's existing occupational health and safety management system (OHSMS). Like CAN/CSA-Z1000, this Standard is organized into clauses based on the Plan-Do-Check-Act (PDCA) model. However, use of this Standard is not contingent on an organization having an OHSMS.

Clause [4](#) specifies general requirements for a comprehensive confined space management program.

Clauses [5](#) to [8](#) specify requirements for planning and implementing a confined space management program. Clause [5](#) specifies roles and responsibilities. Clause [6](#) specifies requirements for hazard identification and risk assessment, development of entry procedures, emergency response planning, and assessment of worker capability for performing assigned duties within a confined space. Clause [7](#) specifies requirements related to training, Clause [8](#) specifies requirements related to controls, emergency response activities, and documentation.

Clauses [9](#) and [10](#) specify requirements related to incident investigation and analysis, corrective actions, internal audits, and management reviews. These activities can help ensure worker safety and facilitate continual improvement of a confined space management program.

Annexes [A](#) through [E](#) provide guidance on implementing this Standard's requirements and include sample forms.

### 1 Scope

#### 1.1 General

This Standard is designed to be used with related occupational or technical standards. It is intended to be referenced by other standards as the primary set of requirements for health and safety management of work in confined spaces.

This Standard is designed for voluntary application in Canadian workplaces. However, the principles established in this Standard are based on best practices recognized internationally. As such they can be applied to any workplace.

**Note:** At the time of publication, confined space legislation differs from jurisdiction to jurisdiction in Canada. It is the user's responsibility to determine how applicable legislative requirements relate to this Standard.