



The CSA Z45001 Application Handbook — A practical guide to implementing the CSA Z45001 Standard



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Preface

The first edition of CSA Z45001, *Occupational health and safety management systems — Requirements with guidance for use*, is an adoption, with Canadian deviations, of the identically titled ISO (International Organization for Standardization) Standard 45001 (first edition, 2018-03).

For brevity, this Standard is referred to as “CSA Z45001” throughout this Application Guide.

Organizations are accountable for occupational health and safety, and workplace parties are responsible for health and safety within their respective control or authority. This Standard provides a model for establishing, implementing, and maintaining an occupational health and safety management system that encourages a systematic approach to meeting defined occupational health and safety objectives and increases awareness of health and safety in the workplace. This Standard can also assist organizations seeking certification under federal, provincial, and sector-based certification programs (e.g., Certificates of Recognition).

An international committee developed the original ISO 45001 standard. Based on a survey of stakeholders from across Canada, CSA Group concluded that while ISO 45001 is a comprehensive and strong, Canadian organizations would benefit from adoption of the International Organization for Standardization (ISO) standard with deviations that reflect the Canadian context of health and safety.

As a fundamental concept and to identify the inclusiveness of an occupational health and safety management system, CSA Z45001 defines “occupational health and safety” as the promotion of the physical, mental, and social wellbeing of workers and the protection of workers from, and the prevention of, workplace conditions and factors adverse to their health and safety.

This Standard was reviewed to align it with the CSA Group Z1000 series of Standards on occupational health and safety management, including the following:

- CSA Z1000, *Occupational health and safety management*;
- CAN/CSA-Z1001, *Occupational health and safety training*;
- CAN/CSA-Z1002, *Occupational health and safety — Hazard identification and elimination and risk assessment and control*;
- CAN/CSA-Z1003, *Psychological health and safety in the workplace*;
- CSA Z1004, *Workplace ergonomics — A management and implementation standard*;
- CSA Z1005, *Incident investigation*;
- CSA Z1006, *Management of work in confined spaces*;
- CSA Z1007, *Hearing loss prevention program (HLPP) management*;
- CSA Z1010, *Management of work in extreme conditions*; and
- CSA Z1600, *Emergency and continuity management program*.

Significant deviations were made to ISO 45001 to meet the following objectives:

- a) to translate international terminology and expressions to occupational health and safety (OH&S) terminology recognized in Canada;
- b) to modify the fundamental process for risk assessment and risk control to emphasize the elimination of hazards in accordance with CSA Z1000 and CAN/CSA-Z1002;
- c) to recognize workers’ rights to remove themselves from hazardous situations;
- d) to recognize the role of worker representatives in determining the OH&S needs of workers;
- e) to recognize the requirement to ensure that workers and worker representatives participate in OH&S management decision making; and
- f) to recognize that the organization must ensure required PPE and training.