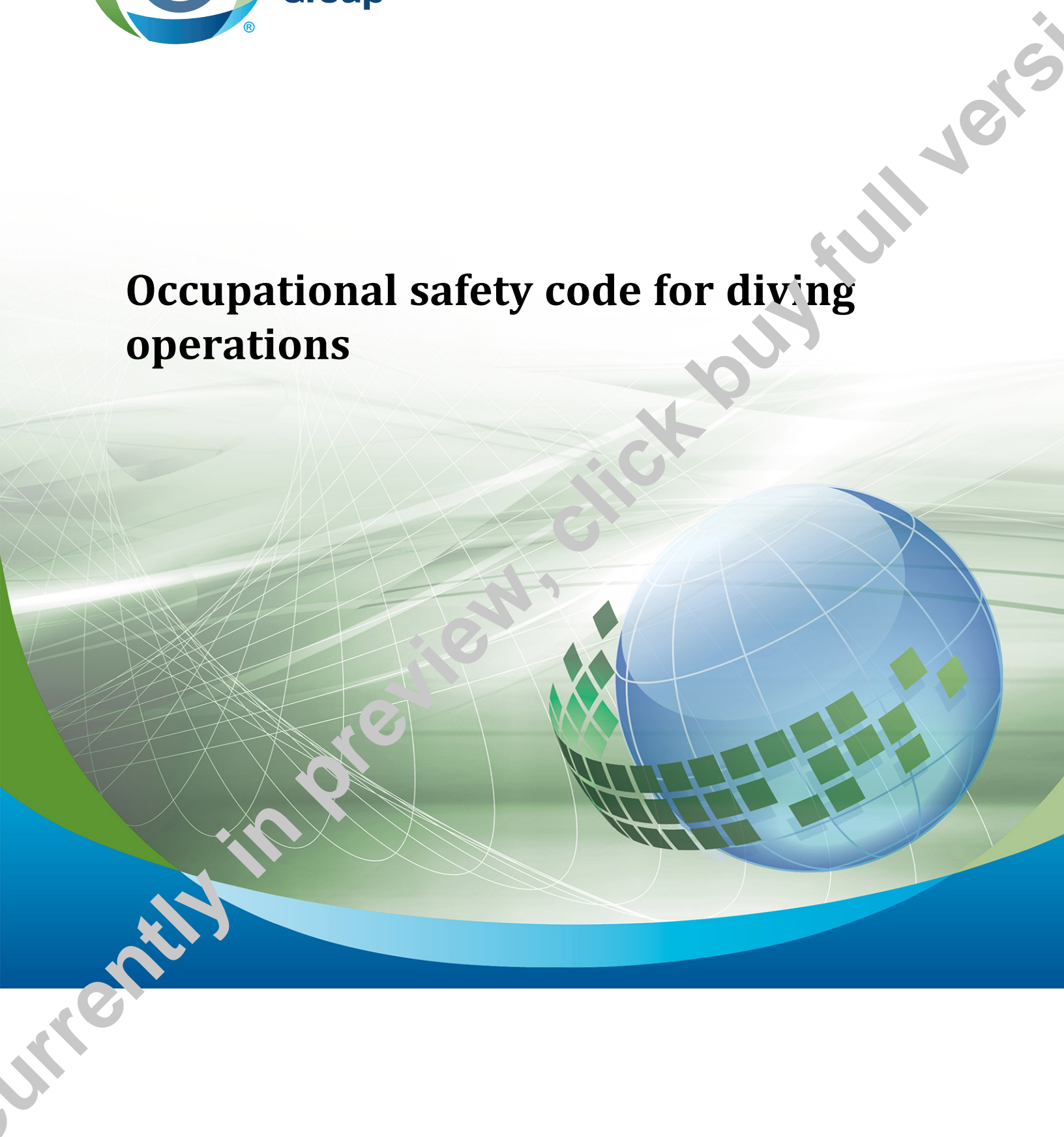




Occupational safety code for diving operations



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Technical Committee on Occupational Diving and Hyperbaric Environments

S.E. Duffy	Surrey, British Columbia <i>Category: General Interest</i>	<i>Chair</i>
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R. Bolger	Ontario Provincial Police, Gravenhurst, Ontario <i>Category: User Interest</i>	
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J. Chapple	Aqua-Lung Canada Ltd., Saanichton, British Columbia <i>Category: Producer Interest</i>	
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C.E. Dickson	Carpenters' District Council of Ontario — Local 785, Cambridge, Ontario	<i>Associate</i>
B. Dixit	National Energy Board, Calgary, Alberta <i>Category: Government and/or Regulatory Authority</i>	
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D. Duff	DRDC Toronto — Experimental Diving and Undersea Group, Toronto, Ontario <i>Category: User Interest</i>	
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G. Hay	Canadian Working Divers Institute, Chapleau, Ontario <i>Category: Producer Interest</i>	
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R.W. Landry	R.W. Landry & Associates Ltd., Toronto, Ontario <i>Category: General Interest</i>	
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F. Malette	Ontario Ministry of Labour, Kingston, Ontario <i>Category: Government and/or Regulatory Authority</i>	
M. Maynard	DRDC Toronto — Experimental Diving and Undersea Group, Toronto, Ontario	<i>Associate</i>
D. Mellquist	WorksafeBC, Prince George, British Columbia	<i>Associate</i>
P. Mouldey	Southdown Medical Clinic, Toronto, Ontario	<i>Associate</i>

E. Murphy	Holland College Marine Centre, Summerside, Prince Edward Island	<i>Associate</i>
D. Normandin	Construction de Défense Canada, Montréal, Québec	<i>Associate</i>
T. Park	Diver Certification Board of Canada, Upper Tantallon, Nova Scotia	<i>Associate</i>
D.G. Parkes	Diver Certification Board of Canada, Upper Tantallon, Nova Scotia	<i>Associate</i>
E. Poirier	National Defence Headquarters, Ottawa, Ontario	<i>Associate</i>
C. Rochon	Commission de la santé et de la sécurité du travail du Québec, Québec, Québec <i>Category: Government and/or Regulatory Authority</i>	
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S. Salmon	Ontario Provincial Police, Gravenhurst, Ontario	<i>Associate</i>
S. Simms	ASI Marine, Port Moody, British Columbia <i>Category: User Interest</i>	
M.H. Waldie	Dundee Energy L.P., Port Colborne, Ontario <i>Category: User Interest</i>	
D. Shanahan	CSA Group, Toronto, Ontario	<i>Project Manager</i>

Subcommittee on Diving Operations

R.W. Landry	R.W. Landry & Associates Ltd., Toronto, Ontario	<i>Chair</i>
B.C. Banks	Divers Institute of Technology, Jamestown, Rhode Island, USA	
C. Beaudry	Camcor Diving Inc., Sidney, British Columbia	
R. Bolger	Ontario Provincial Police, Gravenhurst, Ontario	
P.M. Budden	DiveSafe International (DSI), Campbell River, British Columbia	
J. Chapple	Aqua-Lung Canada Ltd., Saanichton, British Columbia	
G. Cheddie	Underwater Works Inc. Ltd., Orchard Gardens, Chaguanas, Trinidad and Tobago	
D. Decker	Memorial University of Newfoundland, Health Sciences Centre, MEDICOR, St. John's, Newfoundland and Labrador	
C.E. Dickson	Carpenters' District Council of Ontario — Local 785, Cambridge, Ontario	
S.D. Drover	CNS International S.r.l., Massa, Italy	
D. Duff	DRDC Toronto — Experimental Diving and Undersea Group, Toronto, Ontario	
D. Elsey	Deep Tech Services Ltd., Mississauga, Ontario	
W. Fulton	WorkSafeBC, Vancouver, British Columbia	

J.R. Galvin	Victoria, British Columbia
L. Garand	Axsub Inc., Rimouski, Québec
D.W. Geddes	D.W. Geddes and Associates Inc., Stouffville, Ontario
T. Greenwood	ExxonMobil Development Company, Houston, Texas, USA
S.S. Greguoldo	Nova Scotia Department of Labour and Advanced Education, Halifax, Nova Scotia
A. Griffin	Seneca College of Applied Arts and Technology, King City, Ontario
G. Hay	Canadian Working Divers Institute, Chapleau, Ontario
R. Hayward	Ontario Power Generation Inc., Whitby, Ontario
G.M. Hiebert	Dominion Divers Ltd., Winnipeg, Manitoba
K. Johnston	Holland College Marine Centre, Summerside, Prince Edward Island
V. Johnston	Professional Diving Technologies Ltd., Kelowna, British Columbia
K.N. Korol	DiveSafe International (DSI), Campbell River, British Columbia
M. Labelle	Transport Canada, Ottawa, Ontario
C. Landry	National Defence Headquarters, Ottawa, Ontario
F. Malette	Ontario Ministry of Labour, Kingston, Ontario

P. Mouldey	Southdown Medical Clinic, Toronto, Ontario	
D.G. Parkes	Diver Certification Board of Canada, Upper Tantallon, Nova Scotia	
E. Poirier	National Defence Headquarters, Ottawa, Ontario	
I. Rodd	Workers' Compensation Board, Charlottetown, Prince Edward Island	
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S. Simms	ASI Marine, Port Moody, British Columbia	
M. Spencer	Ontario Power Generation Inc., Whitby, Ontario	
M.H. Waldie	Dundee Energy L.P., Port Colborne, Ontario	
I. White	Commercial Diving Industry, St. John's, Newfoundland and Labrador	
D. Shanahan	CSA Group, Toronto, Ontario	<i>Project Manager</i>

Preface

This is the sixth edition of CSA Z275.2, *Occupational safety code for diving operations*. It supersedes the previous editions published in 2011, 2004, 1992, 1982, and 1974. It is part of a series of Standards on diving and caisson systems covering hyperbaric facilities, occupational diving, and construction work in compressed air environments.

This edition includes expanded and updated sections on deep diving (Clause 9) and diving in contaminated environments (Clause 11). In addition, the criteria for manned submersible vehicles (Clause 10) have been greatly expanded to bring it into line with current technology and international use of these systems.

This Standard has also been harmonized with regulations, standards, guidelines, and codes developed by the Canadian Oil and Gas Lands Administration (COGLA), the Oil and Gas Producers (OGP), the International Marine Contractors Association (IMCA), and NORSOK.

This Standard is not intended to supersede the requirements of applicable occupational safety and health regulations. Criteria in this Standard have been written in a manner that allows the user to comply both with the Standard and applicable legislated requirements throughout Canada.

This Standard is not intended for use as a diving or procedure manual. It is designed to be inflexible in those matters that experience has shown to be critical to the safety of the diver, and yet flexible in those areas where the responsibility and considered judgment of operators provide the highest degree of safety in specialized operations.

Specific exposure tables and decompression schedules are not included in this Standard in view of the fact that a number of well-tested and authoritative tables are available for use by divers and for adoption by the regulatory authorities.

The Subcommittee on Diving Operations has been assisted in the preparation of this Standard by a number of practicing professional divers, physicians with experience in diving and in the medical supervision of divers, managers of companies specializing in construction involving diving operations, employers of divers in construction operations, members of Defence Research and Development Canada (DRDC), and representatives of various federal and provincial regulatory authorities.

CSA Group gratefully acknowledges the financial and in-kind support from the Canadian government departments responsible for occupational health and safety for the development of this edition. In addition, financial support was received from the Diver Certification Board of Canada, the Canadian Association of Diving Contractors, and several commercial diving companies.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

This Standard was prepared by the Subcommittee on Diving Operations, under the jurisdiction of the Technical Committee on Occupational Diving and Hyperbaric Environments and 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 list and yet not be in full agreement with all clauses of this Standard.*
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 - d) *rationale for the change.*

Z275.2-15

Occupational safety code for diving operations

1 Scope

1.1 General

1.1.1

This Standard applies to occupational diving operations conducted in connection with all types of work and employment, and describes the requirements for occupational safety.

Note: *It is recognized that certain underwater tasks may require specialized standards of practice and/or operational techniques that differ from the requirements of this Standard yet may be acceptable to the authority having jurisdiction. Users should consult applicable provincial and federal occupational safety and health regulations to determine whether they impose safety requirements additional to or more stringent than those of this Standard.*

1.1.2

This Standard addresses equipment requirements and operational procedures for the following diving systems:

- a) SCUBA diving systems (see Clause 7);
- b) surface supply diving systems (see Clauses 8 and 9);
- c) deep diving systems (see Clause 9);
- d) one-atmosphere diving systems (see Clause 10); and
- e) diving in contaminated environments (see Clause 11).

1.2 Limitations

1.2.1

This Standard does not apply to scientific diving as defined in Clause 3.

1.2.2

This Standard does not apply to diving operations performed solely for sport or recreation.

1.2.3

This Standard does not include work techniques associated with underwater diving operations.

1.3 Terminology

In this Standard, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the standard.