



# MALAYSIAN STANDARD

**MS ISO 24801-1:2008  
(CONFIRMED:2013)**

**Recreational diving services - Safety related  
minimum requirements for the training of  
recreational scuba divers - Part 1: Level 1 -  
Supervised diver  
(ISO 24801-1:2007, IDT)**

ISO 24801-1:2007 is endorsed as Malaysian Standard with the  
reference number MS ISO 24801-1:2008

**ICS: 03.080.30; 03.200**

Descriptors: recreational diving, minimum safety requirements, recreational scuba divers, supervised diver

**© Copyright 2013**

**DEPARTMENT OF STANDARDS MALAYSIA**

## DEVELOPMENT OF MALAYSIAN STANDARDS

The **Department of Standards Malaysia (STANDARDS MALAYSIA)** is the national standards and accreditation body of Malaysia.

The main function of STANDARDS MALAYSIA is to foster and promote standards, standardisation and accreditation as a means of advancing the national economy, promoting industrial efficiency and development, benefiting the health and safety of the public, protecting the consumers, facilitating domestic and international trade and furthering international cooperation in relation to standards and standardisation.

Malaysian Standards (MS) are developed through consensus by committees which comprise balanced representation of producers, users, consumers and others with relevant interests, as may be appropriate to the subject at hand. To the greatest extent possible, Malaysian Standards are aligned to or are adoption of international standards. Approval of a standard as a Malaysian Standard is governed by the Standards of Malaysia Act 1996 [Act 549]. Malaysian Standards are reviewed periodically. The use of Malaysian Standards is voluntary except in so far as they are made mandatory by regulatory authorities by means of regulations, local by-laws or any other similar ways.

For the purposes of Malaysian Standards, the following definitions apply:

**Revision:** A process where existing Malaysian Standard is reviewed and updated which resulted in the publication of a new edition of the Malaysian Standard.

**Confirmed MS:** A Malaysian Standard that has been reviewed by the responsible committee and confirmed that its contents are current.

**Amendment:** A process where a provision(s) of existing Malaysian Standard is altered. The changes are indicated in an amendment page which is incorporated into the existing Malaysian Standard. Amendments can be of technical and/or editorial nature.

**Technical corrigendum:** A corrected reprint of the current edition which is issued to correct either a technical error or ambiguity in a Malaysian Standard inadvertently introduced either in drafting or in printing and which could lead to incorrect or unsafe application of the publication.

NOTE: Technical corrigenda are not to correct errors which can be assumed to have no consequences in the application of the MS, for example minor printing errors.

STANDARDS MALAYSIA has appointed **SIRIM Berhad** as the agent to develop, distribute and sell Malaysian Standards.

For further information on Malaysian Standards, please contact:

**Department of Standards Malaysia**  
Ministry of Science, Technology and Innovation  
Level 1 & 2, Block 2300, Century Square  
Jalan Usahawan  
63000 Cyberjaya  
Selangor Darul Ehsan  
MALAYSIA

OR **SIRIM Berhad**  
(Company No. 367474 - V)  
1, Persiaran Dato' Menteri  
Section 2, P. O. Box 7035  
40700 Shah Alam  
Selangor Darul Ehsan  
MALAYSIA

Tel: 60 3 8318 0002  
Fax: 60 3 8319 3131  
<http://www.standardsmalaysia.gov.my>  
E-mail: [central@standardsmalaysia.gov.my](mailto:central@standardsmalaysia.gov.my)

Tel: 60 3 5544 6000  
Fax: 60 3 5510 8095  
<http://www.sirim.my>  
E-mail: [msonline@sirim.my](mailto:msonline@sirim.my)

## **Committee representation**

The Tourism, Exhibition and Hospitality Services Industry Standards Committee (ISC T) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Department of Skill Development  
Department of Standards Malaysia  
FACON Exhibitions Sdn Bhd  
Malaysian Association of Standard Users  
Malaysian Hoteliers Association  
Malaysian Tourist Guide Council  
Marine Department Malaysia  
Ministry of Tourism Malaysia  
The Malaysian Food and Beverage Executives Association

The Technical Committee on Tourism and Related Services which supervised the adoption of ISO Standard as Malaysian Standard consists of representatives from the following organisations:

Department of Skill Development  
Department of Standards Malaysia  
Malaysian Association of Hoteliers  
Malaysian Association of Hotel Owners  
Malaysian Association of Standards Users  
Malaysian Budget Hotel Association  
Malaysian Sports Diving Association  
Malaysian Tourist Guides' Council  
Marine Department Malaysia  
Ministry of Tourism Malaysia  
SIRIM Berhad (Secretariat)  
The Malaysian Food and Beverage Executives Association  
Universiti Teknologi MARA  
Universiti Utara Malaysia

The Working Group on Recreational Scuba Diving which recommends adoption of the ISO Standard consists of representatives from the following organisations:

British Sub-Aqua Club  
Malaysian Sports Diving Association  
Ministry of Natural Resource and Environment  
NAUI Pacific RIM Services Sdn Bhd  
PADI Asia Pacific  
Scuba Schools International  
SIRIM Berhad (Secretariat)  
Universiti Malaya

# MS ISO 24801-1:2008

## NATIONAL FOREWORD

The adoption of the ISO Standard as a Malaysian Standard was recommended by the Working Group on Recreational Scuba Diving under the authority of the Tourism, Exhibition and Hospitality Services Industry Standards Committee.

This Malaysian Standard is identical with ISO 24801-1:2007, *Recreational diving services - Safety related minimum requirements for the training of recreational scuba divers - Part 1: Level 1 - Supervised diver* published by the International Organization for Standardization (ISO). However, for the purposes of this Malaysian Standard, the following apply:

- a) in the source text, “this international standard” should read “this Malaysian Standard”;
- b) the comma which is used as a decimal sign (if any), to read as a point; and
- c) references to International Standards should be replaced by equivalent Malaysian Standards as follows:

<u>Referenced International Standards</u>	<u>Corresponding Malaysian Standards</u>
ISO 24801-3, <i>Recreational diving services - Safety related minimum requirements for the training of recreational scuba divers - Part 3: Level 3 - Dive leader</i>	MS ISO 24801-3, <i>Recreational diving services - Safety related minimum requirements for the training of recreational scuba divers - Part 3: Level 3 - Dive leader</i>
ISO 24802-1, <i>Recreational diving services - Safety related minimum requirements for the training of scuba instructors - Part 1: Level 1</i>	MS ISO 24802-1, <i>Recreational diving services - Safety related minimum requirements for the training of scuba instructors - Part 1: Level 1</i>
ISO 24802-2, <i>Recreational diving services - Safety related minimum requirements for the training of scuba instructors - Part 2: Level 2</i>	MS ISO 24802-2, <i>Recreational diving services - Safety related minimum requirements for the training of scuba instructors - Part 2: Level 2</i>
ISO 24803, <i>Recreational diving services - Requirements for recreational scuba diving service providers</i>	MS ISO 24803, <i>Recreational diving services - Requirements for recreational scuba diving service providers</i>

**NATIONAL FOREWORD** *(continued)*

MS ISO 24801 consists of the following parts, under the general title, *Recreational diving services - Safety related minimum requirements for the training of recreational scuba divers*:

*Part 1: Level 1 - Supervised diver*

*Part 2: Level 2 - Autonomous diver*

*Part 3: Level 3 - Dive leader*

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.

NOTE. IDT on the front cover indicates an identical standard i.e. a standard where the technical content, structure, and wording (or is an identical translation) of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and structure although it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21-1.

---

---

**Recreational diving services — Safety  
related minimum requirements for the  
training of recreational scuba divers —**

Part 1:  
**Level 1 — Supervised diver**

*Services relatifs à la plongée de loisirs — Exigences minimales liées à  
la sécurité concernant la formation des plongeurs en scaphandre  
autonome pratiquant la plongée de loisirs —*

*Partie 1: Niveau 1 — Plongeur encadré*



**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

© ISO 2007

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

Page

Foreword.....	iv
Introduction .....	v
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions.....	2
4 Competencies of a recreational scuba diver at level 1 — “Supervised diver”.....	3
5 Prerequisites for training .....	3
5.1 General.....	3
5.2 Minors .....	3
5.3 Health requirements .....	4
6 Introductory information.....	4
7 Required theoretical knowledge .....	4
7.1 Equipment .....	4
7.2 Physics of diving .....	4
7.3 Medical problems related to diving.....	4
7.4 Diving environment .....	5
7.5 Scuba diver separation procedures.....	5
7.6 Use of breathing gases other than air .....	5
8 Required scuba skills .....	5
8.1 Confined water scuba skills .....	5
8.2 Open water scuba skills .....	6
9 Practical training parameters .....	6
10 Assessment.....	7
10.1 Knowledge.....	7
10.2 Scuba skills .....	8
Annex A (informative) Examples for the degree of mastery required for the level 1 scuba diver examination .....	9
Annex B (informative) Example of an information sheet for medical screening .....	10