
**Recreational diving services —
Requirements for the training of
recreational scuba divers —**

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

iTeh STANDARD PREVIEW
*Services relatifs à la plongée de loisirs — Exigences concernant la
formation des plongeurs pratiquant la plongée de loisirs —
Partie 1: Niveau 1 — Plongeur encadré*
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Contents

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

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is Technical Committee ISO/TC 228, *Tourism and related services*.

This second edition of ISO 24801-1 cancels and replaces the first edition (ISO 24801-1:2007), which has been technically revised.

ISO 24801 consists of the following parts, under the general title *Recreational diving services — 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

Introduction

This part of ISO 24801 is one of a series of International Standards relating to recreational diving services, which have been prepared with the aim of establishing a set of specifications for safety practices and the provision of services.

These International Standards specify:

- necessary levels of experience and competency of scuba divers and scuba instructors;
- safety practices and requirements for recreational scuba diving service providers appropriate to the different diving levels.

The requirements specified are minimal; they do not preclude the provision of additional training or the evaluation of additional competencies by a service provider. These International Standards represent a tool for comparison of existing (or future) qualifications of scuba divers. They do not represent a course programme, nor do they imply that course programmes and scuba diver qualifications issued by different nations or training organizations are required to correspond to these levels.

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Recreational diving services — Requirements for the training of recreational scuba divers —

Part 1: Level 1 — Supervised diver

1 Scope

This part of ISO 24801 specifies the competencies required of a scuba diver in order to obtain a scuba diver qualification from a training organization attesting that he/she has met or exceeded scuba diver level 1 (“Supervised diver”), and specifies evaluation criteria for these competencies.

It also specifies the conditions under which training is provided, in addition to the general requirements for recreational diving service provision in accordance with ISO 24803.

This part of ISO 24801 applies to training and evaluation in recreational scuba diving.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 24801-3, *Recreational diving services — Requirements for the training of recreational scuba divers — Part 3: Level 3 — Dive leader* ISO 24801-1:2014
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ISO 24802-1, *Recreational diving services — Requirements for the training of scuba instructors — Part 1: Level 1*

ISO 24802-2, *Recreational diving services — Requirements for the training of scuba instructors — Part 2: Level 2*

ISO 24803, *Recreational diving services — Requirements for recreational scuba diving service providers*

EN 250:2000, *Respiratory equipment — Open-circuit self-contained compressed air diving apparatus — Requirements, testing, marking*

EN 12628:1999, *Diving accessories — Combined buoyancy and rescue devices — Functional and safety requirements, test methods*

3 Terms and definitions

For the purposes of this document, the terms and definitions of EN 250:2000 and EN 12628:1999 and the following apply.

3.1 training organization

entity providing training systems and issuing qualifications for recreational diving, and which is responsible for the implementation and quality management of training

Note 1 to entry: Entity can include scuba diving federations and scuba diver training agencies.

3.2

scuba instructor

individual qualified in accordance with ISO 24802-1 or ISO 24802-2

3.3

dive leader

individual qualified in accordance with ISO 24801-3

3.4

breathing gas

mixture of oxygen and nitrogen with no less than 20 % oxygen

3.5

confined water

swimming pool with a depth appropriate to the activity or body of water, offering similar conditions with regard to visibility, depth, water movement and access

3.6

open water

body of water significantly larger than a swimming pool, offering conditions typical of a natural body of water

3.7

diving equipment

equipment consisting of fins, mask, snorkel, regulator, alternative breathing gas system, cylinder, cylinder-support-system, buoyancy compensator, a quick release weight system (if appropriate), submersible pressure gauge (breathing gas pressure monitor), means to measure depth and time and to safely limit exposure to inert gas, diving suit (if appropriate)

Note 1 to entry: An alternative breathing gas system could range from a simple octopus system to a duplicate breathing system with a separate breathing gas supply.

Note 2 to entry: Specific environments can require additional equipment (e.g. an underwater navigational aid, knife/cutting device, delayed surface marker buoy).

3.8

direct supervision

supervision of a group of divers by a scuba instructor or a dive leader who is in a position that allows rapid intervention on behalf of the divers

4 Competencies of a recreational scuba diver at level 1 ("Supervised diver")

Scuba divers at level 1 shall be trained such that when evaluated in accordance with [Clause 10](#) they are deemed to have sufficient knowledge, skill and experience to dive in open water under the direct supervision of a dive leader.

Scuba divers at level 1 are qualified to dive within the following parameters:

- dive to a recommended maximum depth of 12 m;
- dive in groups of up to four level 1 scuba divers per dive leader;
- make dives which do not require in-water decompression stops;
- dive only when appropriate support is available at the surface;
- dive under conditions that are equal or better than the conditions where they were trained.

If accompanied by a scuba instructor, a scuba diver at level 1 may gain progressive experience beyond these parameters and develop competency in managing more challenging diving conditions designed to lead to higher qualifications.

Where further instruction is required this can only be provided by a suitably qualified scuba instructor. Where only further experience is required, this may be supervised by a dive leader.

5 Prerequisites for training

5.1 General

The service provider shall ensure that the client fulfils the following prerequisites to take part in the training course envisaged.

5.2 Minors

Documented parental or legal guardian consent shall be obtained when the applicant is a minor.

5.3 Health requirements

Documented evidence shall be obtained that the student has been medically screened as suitable for recreational diving by means of an appropriate questionnaire or medical examination (see [Annex A](#) for an example of a medical sheet). In any case of doubt, or at the scuba instructor's discretion, students shall be referred to proper medical resources. If the student is not examined by a physician the student shall be obliged to confirm by signature that he or she has understood written information given by the scuba instructor on diseases and physical conditions which can pose diving related risks.

Students shall be advised of the importance of appropriate regular medical examinations.

6 Introductory information

Information in accordance with ISO 24801 shall be made available to the students prior to, or during the first class meeting.

7 Required theoretical knowledge

7.1 Equipment

Students shall have an appropriate knowledge concerning the practical use of diving equipment items as defined in [3.7](#).

7.2 Physics of diving

Students shall have an appropriate knowledge of the influence and effects of changing pressure in particular regarding:

- equalization (e.g. ears and mask);
- breathing (not holding breath and effect of pressure on air consumption);
- buoyancy and how to control it.

7.3 Medical problems related to diving

7.3.1 General

Students shall have a basic knowledge of avoiding problems resulting from [7.3.2](#) and [7.3.3](#).