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**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*

ISO 24801-1:2007

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## 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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 24801-1 was prepared by the European Committee for Standardization (as EN 14153-1:2003) and was adopted, under a special “fast-track procedure”, by Technical Committee ISO/TC 228, *Tourism and related services*, in parallel with its approval by the ISO member bodies.

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* [ISO 24801-1:2007](https://standards.iteh.ai/catalog/standards/sist/f83f88c9-9ef7-4532-8584-82a75e7f25c0/iso-24801-1-2007)
- *Part 2: Level 2 — Autonomous diver*
- *Part 3: Level 3 — Dive leader*

## Introduction

The International Standards relating to recreational diving services have been prepared by ISO/TC 228/WG 1 “Diving services”, with the aim of establishing a series of specifications for safety practices and the provision of services.

Therefore 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 assessment by a service provider of additional competencies. These International Standards represent a tool for comparison of existing (or future) qualifications of scuba divers. In no way do they represent a course programme nor do they imply that course programs and scuba diver certifications issued by different nations or training organizations must necessarily correspond to these levels.

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

## Part 1: Level 1 — Supervised diver

### 1 Scope

This part of ISO 24801 specifies the competencies that a scuba diver has to have achieved in order for a training organization to award the scuba diver certification indicating that he has met or exceeded scuba diver level 1 — “Supervised diver” and specifies assessment of these competencies.

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

This part of ISO 24801 applies only to contractual training and certification in recreational scuba diving.

### 2 Normative references

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

ISO 24801-3:2007, *Recreational diving services — Safety related minimum requirements for the training of recreational scuba divers — Part 3: Level 3 — Dive leader*

ISO 24802-1:2007, *Recreational diving services — Safety related minimum requirements for the training of scuba instructors — Part 1: Level 1*

ISO 24802-2:2007, *Recreational diving services — Safety related minimum requirements for the training of scuba instructors — Part 2: Level 2*

ISO 24803:2007, *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 given in EN 250:2000 and EN 12628:1999 and the following apply.

#### 3.1 training organization

entity providing recreational scuba diving training systems and certification and which is responsible for the implementation and quality management of scuba diver training

NOTE Entity may include scuba diving federations and scuba diver training agencies.

#### 3.2 certification

confirmation that a student has completed scuba diver training which fulfils all requirements in accordance with this part of ISO 24801, as issued by training organizations

#### 3.3 scuba instructor

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

#### 3.4 dive leader

individual qualified in accordance with ISO 24801-3

#### 3.5 breathing gas

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

#### 3.6 confined water

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

#### 3.7 open water

body of water significantly larger than a swimming pool offering conditions typical of a natural body of water encountered in the region

#### 3.8 diving equipment

equipment consisting of the following items:

- fins,
- mask,
- snorkel,
- demand regulator (also referred to as a regulator),
- alternative breathing gas system,

NOTE 1 This could range from a simple octopus system to a duplicate breathing system with a separate breathing gas supply.

- 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 2 Specific environments may require additional equipment (e.g. an underwater navigational aid, knife/cutting device).

### 3.9

#### direct supervision

supervision by a scuba instructor or a dive leader of a group of divers in a position allowing rapid intervention on behalf of the diver

## 4 Competencies of a recreational scuba diver at level 1 — “Supervised diver”

Scuba divers at level 1 — “Supervised diver” shall be trained such that when assessed 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 — “Supervised diver” 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.

NOTE If accompanied by a scuba instructor, a scuba diver at level 1 — “Supervised diver” 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.