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Recreational diving services - Requirements for the training of scuba instructors - Part 2: Level 2 (ISO/FDIS 24802-2:2013)

Dienstleistungen des Freizeittauchens - Anforderungen an die Ausbildung von Tauchausbildern - Teil 2: Ausbildungsstufe 2 (ISO/FDIS 24802-2:2013)

Services relatifs à la plongée de loisirs - Exigences concernant la formation des moniteurs de plongée subaquatique - Partie 2: Niveau 2 (ISO/FDIS 24802-2:2013)

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Recreational diving services — Requirements for the training of scuba instructors —

Part 2: Level 2

*Services relatifs à la plongée de loisirs — Exigences concernant la
formation des moniteurs de plongée subaquatique —
Partie 2: Niveau 2*

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Please see the administrative notes on page iii



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ISO/CEN PARALLEL PROCESSING

This final draft has been developed within the International Organization for Standardization (ISO), and processed under the **ISO-lead** mode of collaboration as defined in the Vienna Agreement. The final draft was established on the basis of comments received during a parallel enquiry on the draft.

This final draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel two-month approval vote in ISO and formal vote in CEN.

Positive votes shall not be accompanied by comments.

Negative votes shall be accompanied by the relevant technical reasons.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national 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 24802-2 cancels and replaces the first edition (ISO 24802-2:2007) which has been technically revised.

ISO 24802 consists of the following parts, under the general title *Recreational diving services — Requirements for the training of scuba instructors*:

- *Part 2: Level 2*
- *Part 1: Level 1*

ISO/FDIS 24802-2:2013(E)**Introduction**

This part of ISO 24802 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 instructors. They do not represent a course programme, nor do they imply that course programmes and scuba instructor 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 scuba instructors —

Part 2: Level 2

1 Scope

This part of ISO 24802 specifies the competencies required of a scuba instructor in order to obtain a scuba instructor qualification from a training organization attesting that he/she has met or exceeded scuba instructor level 2, 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 24802 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 24801-1:2014, *Recreational diving services — Requirements for the training of recreational scuba divers — Part 1: Level 1 — Supervised diver*

ISO 24801-2:2014, *Recreational diving services — Requirements for the training of recreational scuba divers — Part 2: Level 2 — Autonomous diver*

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

ISO 24802-1, *Recreational diving services — Requirements for the training of scuba instructors — Part 1: Level 1*

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

3 Terms and definitions

For the purposes of this document, the following terms and definitions 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

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

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3.3

open water

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

4 Competencies of a scuba instructor at level 2

Scuba instructors at level 2 shall be trained such that when evaluated in accordance with [Clause 13](#) they are deemed to be qualified to:

- plan, organize and conduct dives and lead other recreational scuba divers of all levels in open water, including rescue activities;
- teach and assess students up to scuba diver level 1, level 2 and level 3 in accordance with ISO 24801-1, ISO 24801-2 and ISO 24801-3 respectively;
- supervise level 1 scuba instructors in accordance with ISO 24802-1;
- plan, organize and conduct scuba diver training courses;
- with suitable additional training or experience to plan, organize and conduct appropriate speciality or diving operational activities.

If diving and environmental conditions are significantly different from those previously experienced, a scuba instructor requires an appropriate orientation with regard to local diving and environmental conditions in order to meet the above mentioned competencies.

5 Prerequisites for training

5.1 Practical experience

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The scuba instructor-trainer shall ensure that scuba instructor candidates have qualification to at least scuba diver level 3 with additional practical experience gained after level 3 qualification in accordance with to ISO 24801-3 prior to their evaluation in accordance with [Clause 13](#).

5.2 Health requirements

Scuba instructor candidates shall be medically screened as suitable for diving in accordance with procedures laid down by a competent medical authority. If such procedures are not specified scuba instructor candidates shall provide evidence of a diver medical examination not older than one year unless the medical authority which has carried out the examination specifies longer validity.

6 Scuba instructor candidate information

Information in accordance with ISO 24803 shall be made available to the students prior to, or during the first class meeting.

7 Required theoretical knowledge

Scuba instructor candidates shall have extensive theoretical knowledge regarding the scuba skills specified in ISO 24801-1, ISO 24801-2 and ISO 24801-3 and sufficient knowledge to be able to give presentations on topics from ISO 24801-1:2014, Clause 7, ISO 24801-2:2014, Clause 7, and ISO 24801-3:2014, Clause 7.

Additionally, scuba instructor candidates shall have appropriate knowledge of the following issues:

- medical and psychological contraindications for scuba diving;

- the training requirements for scuba diver level 1 in accordance with ISO 24801-1, level 2 in accordance with ISO 24801-2 and level 3 in accordance with ISO 24801-3 and level 1 scuba instructor in accordance with ISO 24802-1;
 - the duty of care of a scuba instructor, including codes of conduct and safe practices;
- NOTE An example for a code of conduct and safe practices is given in [Annex A](#).
- safety regulations affecting scuba diving service provision (e.g. regulations affecting schools, centres, clubs, organizations);
 - methods of safely filling diving cylinders including relevant local regulations concerning cylinder working pressures and testing requirements;
 - relationships and communication with relevant public authorities (e.g. police, customs, rescue organizations, fire-brigade);
 - administration within a diving centre/club/training organization with regard to diving and training activities;
 - teaching principles and methodology;
 - selection of dive sites using appropriate navigational aids (e.g. maps, navigational charts, tide tables).

8 Personal scuba skills

Scuba instructor candidates shall be able to perform all of the personal scuba skills from level 1, level 2 and level 3 scuba diver in accordance with ISO 24801-1, ISO 24801-2 and ISO 24801-3, respectively, to demonstration quality.

9 Theoretical teaching skills

Scuba instructor candidates shall be able to conduct lesson preparation, planning and delivery of theoretical teaching presentations.

10 Teaching and supervision of scuba skills

Scuba instructor candidates shall be able to conduct in-water lessons for students at level 1, level 2 and level 3 from the topics outlined in ISO 24801-1, ISO 24801-2 and ISO 24801-3. Evaluation shall include activities demonstrating skills relevant to confined and open water. The open water activities shall be performed at an open water site representative of local conditions.

Lesson elements to be evaluated shall include:

- preparation;
- planning;
- briefing and debriefing;
- group control and supervision;
- skill demonstration;
- problem recognition and solving;
- student evaluation.