

ProTec INSTRUCTOR

An Scuba Instructor is someone, who is certified to train and examine students to take proper skills for Scuba diver levels.

Next, there are special levels for each Instructor status: Recreational Scuba and various Tec-levels (Technical diving).

Approximately, for each diver level a Instructor level exists.

The term "Professional Level" is starting with **Dive Supervisor**, the next level is **Assistant Instructor**, someone who successfully finished an IDC (Instructor Development Course). Then, after completing the IE (Instructor Examination/Evaluation), the first level authorised to certify divers, is **ProTec Scuba 1* Instructor**. The next ProTec Instructor level, **ProTec Advanced Scuba 2** Instructor (AI)**, qualifies the Instructor to train and certify near all Scuba Diver Level, but not to train or certify any Tec-Diver Levels or any Instructor levels. (see ProTec authorisation concept). To become a **Technical Diving Instructor**, the candidate must be an AI and succeed the proper Tec-Instructor level examination.

A qualified AI may apply for IT status at ProTec headquarters. There are special levels for each IT/CD status:

Levels & Skills

For all levels: Baseline for every Instructor level is the outlines of the same diver course. This means each Instructor has to have very detail skills of the same ProTec diver course, (standards & how to run the course) AND he/she has to have enough practise in this field as a diver before he/she could attend to the Instructor development course. Lecture, practice exercise with students, course safety requirements are the main parts of each Instructor development course. Additionally, each ProTec Instructor have to know ProTec Organisation and Administration skills, how to get info, how register & order certifications and more, which have to be included (part of IDC and IE).

Apnoea

Career:

Apnoea 1

Basic Apnoea skills for ABC / snorkel diver training.

Apnoea 2

Advanced Apnoea skills for Free diver training.

Apnoea 3

Excellent Apnoea skills up to competition training.

Professional Level Apnoea 1

The skills of Apnoea 1 (=Snorkel Diver) diver are already part of the Scuba Diver 1 course, so each Scuba Instructor may train and certify Apnoea 1 Diver.

The goal is to provide good snorkel skills to prepare best for the way to the Scuba courses like Scuba Diver 1. Included are equipment knowledge (mask, snorkel fins), proper swim, descent & ascent techniques, pressure & lungs, buoyancy and protection against cold.

Professional Level Apnoea 2

The Apnoea 2 (Free Diver) training is – as a part of the advanced apnoea program – for “Apnoea Instructors” only.

Professional Level Apnoea 3

The Apnoea 3 (Apnoea Competition) training is – as a part of the advanced apnoea program – for “Apnoea Instructors” only.

Recreational Scuba

“Basics“

Career:

- 1.) The instructor candidate (starting from PL-1) first has to learn course progress as assistant (- candidate) and the standards of the ProTec course types (e.g. Scuba Diver) which can be supervised as instructor later on. They may do this with every ProTec Instructor (starting from PL-3) entitled for it. Certification as Assistant Instructor by a PL-5 finishes this step. Crossover candidates must also know exactly the ProTec specific operational sequences and standards.
- 2.) As certified Assistant Instructor (PL-2) is taught special knowledge of Instructors (problems, safety, course organization/planning & execution, legal considerations, insurance) by a ProTec Instructor coach either during a season as Assistant or in a 3 to 4 weeks intensive course for instructors.
- 3.) As soon as the instructor candidate has acquired the necessary knowledge (crossover candidates of other agencies and/or during an upgrade to higher level (e.g. of 3 to 4 or 5) likewise) he finishes his training for the ProTec Instructor with an exam by a ProTec Course Director or, if possible, HQ can replace this by an internal exam of qualifications & references (e.g. by ProTec Instructor coach).

General for ProTec INSTRUCTOR DEVELOPMENT

All pre-stage or basic Scuba diver education up to Scuba Diver 1 is done by ProTec **SCUBA Instructor** (I,IN), or higher level, see ProTec authorisation concept. This matters, that at

each Scuba Instructor development and evaluation all the (included) lower level skills have to be checked also.

In fact, the whole skills of **Basic (former Resort) Diver, Apprentice Diver & Junior Scuba Diver** course are already part of the **Scuba Diver 1** course. The Apnoea 1 (ABC) Diver skills have to be checked for each diver on the beginning of a basic Scuba course. For Instructor development, it is very important, that the Instructor candidate knows in detail how much knowledge and skills are part of all the different “basic” courses and how much time is needed for the course. As the Scuba Instructor must have all Scuba Diver 3 skills, Scuba Instructor is also allowed to certify “easy” Specialty Level Night Diver and Navigation like a Specialty Instructor, skills has to be checked at IDC/IE.

The next Instructor level, **ProTec Advanced Scuba Instructor (AI)** is qualified for **Scuba Diver 2** (SD2) and **Scuba Diver 3** (SD3). All the necessary minimum **Specialty Instructor** level for **Night, Navigation, Search & Recovery, Rescue, Deep** are included. For each specialty level a diver certificate is demanded. For evaluation upgrade to AI it is ok to examine a Scuba Instructor (I) for SD2, SD3 and all specialty skills listed above and – if well done – upgrade him/her direct to an AI without demand of existing specialty Instructor brevets. The AI candidate must also prove skills to run Specialty Courses **Eqmt. Maint., Solo Diver, Wreck OR - alternatively, Cavern** is recommended.

Dive Supervisor (PL-1)

Assistant Instructor (PL-2)

Scuba Instructor (PL-3)

General Requirements for

PROTEC 1* INSTRUCTOR (SCUBA INSTRUCTOR) - education / training (IDC) & evaluation (IE)

This points below for Scuba Instructor development has to be added to the general administrative requirements as written on the pages before. Contents has to be checked by a CD during a IE.

Preparation and course requirements

- ProTec Scuba Diver 3 or equivalent or higher
- Minimum age 18 years.
- Sufficient dive practise, minimum 150 various dives.
- First Aid certificate, made max. 1 year ago.

- Medical statement – ok for working as an Instructor UW.
- Successfully finished ProTec IDC

Course & evaluation

- Crossover version: The ProTec Instructor aspirant already is an Instructor – so the main point is to check the ProTec specific standards and skills. But nevertheless it is important to check and repeat the general Instructor skills like how to teach, how to solve problems, how to prepare and act in case of emergency.
- For every Instructor level the examination skills have to be much more substantial as for the same diver level.
- The ProTec Instructor aspirant has to work out a course concept with timetable for each course. It has to show the course quantity, the effectiveness and if all ProTec standards are included. While evaluation, the aspirant has to be able to set up and go on at every point of every course (which are matter of this Instructor course) with his lecture at high quality. Contents, rhetoric, appearance and efficiency have to be checked also.
- As an add on to the course level skills the aspirant has to be touched for safety and insurance matters, also legal matters. Further all ProTec internal like ProTec - Members Area Info, how to handle registration/certification and more.
- For UW practise: The most important and difficult course parts have to be checked and simulated in a „complicated dive-student“ version, panic student, rescue exercise. IT simulate student. In general, every ProTec Instructor has to have full control over the whole course under water and be able to engage every time. In no case the Instructor is allowed to set him/herself out of acting in open water environment (like showing gear of and on UW to students). Only one student should demonstrate exercises at the same time. Others have to watch only. Use assistant Instructor as a helping hand. Rescue diver for safety backup.

Add one's for every ProTec Instructor evaluation – paperwork sent to the HQ

- The Instructor's (aspirant) course concept(s) – see point 3, course & evaluation
- The Instructor trainer's course and evaluation protocol for IDC.
- The course director's (or examiner) examination protocol for IE.

Detail Requirements for

SCUBA INSTRUCTOR - education / training & evaluation

This points below for Scuba Instructor development has to be added & merged to the general requirements as written on the pages before.

Apnoea skills/exercises

- 60 seconds stationary apnoea diving
- 45 meter distance apnoea diving
- 8 msw deep apnoea diving
- Descending to 5 msw – applying a bowline knot there

Pool or close to shore/beach skills

- 600 meter snorkel distance with complete scuba gear
- Stationary floating at 3 msw. The candidate have 1 minute to adjust his/her buoyancy at about 3 msw. Then the candidate must keep stationary floating without descending or ascending more than 1 meter, without using any BCD/dry suit inflator or other help again, (dive gear preparation & buoyancy exercise)
- The candidate has to perform pool exercises of Scuba diver 1 course as an Instructor, with briefing and debriefing. Especially „complicated dive-student“ must checked as well as the ability to see the red light in advance.

Open water skills (never develop dangerous situation - on purpose)

- 20 to 30 msw depth. The candidate has to rescue / bring safety back to surface one diver who is in “passive panic mode” (just simulation). The whole dive group (students) has to be still under control while also ascending to surface. Especially the last few meters have to be done slowly. On surface, the diver has to be brought to land, show first aid
- 10 msw depth. The candidate has to perform a Scuba diver 1 open water exercise with briefing, debriefing and has to watch out and avoid faults of standards or any developing dangerous situations. IT should simulate such situations in the role as SD1 student. The candidate must perform 100% ProTec standards.
- 30 to 40 msw depth. The candidate has to prove good skills of orientation, navigation, leadership and problem solving, while guiding a dive group. IT/CD has to check reactivity at depth and the ability to assess situations and solve (simulated) exercises.

- 7 to 10 msw depth. The candidate has to gear off scuba equipment, ascent to surface, descent and gear on.

The certified ProTec Scuba Instructor is authorized to train and certify ProTec levels:

<ul style="list-style-type: none"> • Apnoea 1 (ABC Diver) 	<ul style="list-style-type: none"> • Junior Scuba Diver
<ul style="list-style-type: none"> • Basic Scuba Diver (former Resort Diver) 	<ul style="list-style-type: none"> • SCUBA DIVER 1* (CMAS P1)
<ul style="list-style-type: none"> • Apprentice Diver 	<ul style="list-style-type: none"> • Speciality Night & Navigation

Scuba Speciality Instructor

Professional Level 5 (PL-5)

General Requirements for

PROTEC 2 INSTRUCTOR (ADVANCED SCUBA INSTRUCTOR) - education / training & evaluation**

This points below for Scuba Instructor development has to be added to the general administrative requirements as written on the pages before.

Preparation and course requirements

- ProTec Scuba Instructor or other dive training agency Instructor level (ask HQ for list / ok) plus proper knowledge of all ProTec diver course standards. Minimum age 21 years. Must show sufficient dive practise, minimum 300 various dives.
- Sufficient experience as an ProTec Scuba Instructor
- Specialty Instructor certificates for Night Diving, Adv. Navigation, Search & Recovery, Rescue, and Eqmt. Maint., Solo Diving and – recommended – Wreck or Cavern Diving.

Course & evaluation

- Crossover version: The ProTec Instructor aspirant already is an Instructor – so the main point is to check the ProTec specific standards and skills. But nevertheless it is important to check and repeat the general Instructor skills like how to teach, how to solve problems, how to prepare and act in case of emergency.
- For every Instructor level the examination skills has to be much more substantial as for the same diver level.
- The ProTec Instructor aspirant has to work out a course concept with timetable for each course. It has to show the course quantity, the effectiveness and if all ProTec standards are included. While evaluation, the aspirant has to be able to set up and go on at every point of every course (which are matter of this Instructor course) with his lecture at high quality. Contents, rhetoric, appearance and efficiency have to be checked also.
- As an add on to the course level skills the aspirant has to be touched for safety and insurance matters, also legal matters. Further all ProTec internal like ProTec - Members Area Info, how to handle registration/certification and more.
- For UW practise: The most important and difficult course parts has to be checked and simulated in a „complicated dive-student“ version, panic student, rescue exercise. IT simulate student. In general, every ProTec Instructor has to have full control over the whole course under water and be able to engage every time. In no case the Instructor is allowed to set him/herself out of acting in open water environment (like showing gear of and on UW to students). Only one student should demonstrate exercises at the same time. Others have to watch only. Use assistant Instructor as a helping hand. Rescue diver for safety.

Add one's for every ProTec Instructor evaluation – paperwork sent to the HQ

- The Instructor's (aspirant) course concept(s) – see point 3, course & evaluation
- The Instructor trainer's course and evaluation protocol for IDC.
- The course director's (or examiner) examination protocol for IE.

Detail Requirements for

ADVANCED SCUBA INSTRUCTOR - education / training & evaluation

This points below for Scuba Instructor development has to be added & merged to the general requirements as written on the pages before.

Theory checks / Exercises

- Planning of a difficult dive with briefing and debriefing. The candidate has to draw a scratch of a dive site, plan the dive with all stops, and calculate air consumption, emergency procedures, and necessary UW communication/signs.
- The candidate has to explain the difference between Scuba Diver 1 (SD1), SD2 and SD3 course in detail.
- The candidate has to perform a theory lesson for a SD2
- The candidate has to perform a theory lesson for a SD3

Apnoea skills

- 60 seconds stationary apnoea diving
- 45 meter distance apnoea diving
- 8 msw deep apnoea diving
- Descending to 5 msw – applying a bowline knot there

Pool or close to shore/beach skills

- 600 meter snorkel distance with complete scuba gear
- Stationary floating at 3 msw. The candidate have 1 minute to adjust his/her buoyancy at about 3 msw. Then the candidate must keep stationary floating without descending or ascending more than 1 meter, without using any BCD/dry suit inflator or other help again, (dive gear preparation & buoyancy exercise)
- The candidate has to perform pool exercises of Scuba diver 2 and SD3 course as an Instructor, with briefing and debriefing. Especially „complicated dive-student“ must be checked as well as the ability to see the red light in advance.

Open water skills (never develop dangerous situation - on purpose)

- The candidate has to perform 2 dive lessons about RESCUE as an Instructor.
- The candidate has to perform 2 dive lessons about SD2 & SD3 as an Instructor.
- The candidate has to perform a deco dive (max. 40 msw) as a dive leader, showing excellent dive control (over all – him/herself & the group)
- 7 to 10 msw depth. The candidate has to gear off scuba equipment, ascent to surface, descent and gear on.

The certified ProTec Advanced Scuba Instructor is authorized to train and certify levels:

<ul style="list-style-type: none"> • Apnoea 1 (ABC Diver) 	<ul style="list-style-type: none"> • SCUBA DIVER 1* (CMAS P1)
<ul style="list-style-type: none"> • Basic Scuba Diver (former Resort Diver) 	<ul style="list-style-type: none"> • SCUBA DIVER 2** (CMAS P2)
<ul style="list-style-type: none"> • Apprentice Diver 	<ul style="list-style-type: none"> • SCUBA DIVER 3*** (CMAS P3)
<ul style="list-style-type: none"> • Junior Scuba Diver 	<ul style="list-style-type: none"> • Speciality Night & Navigation
<ul style="list-style-type: none"> • Speciality Rescue & Search & Recovery 	<ul style="list-style-type: none"> • Speciality Deep & Solo
<ul style="list-style-type: none"> • Speciality Eqmt. Maint. 	<ul style="list-style-type: none"> • Speciality OHE (Wreck or Cavern)

Technical Diving

„Technical“

Career:

1.) The instructor candidate must know the exact course process (and standards) of the ProTec course types. Repetition and recess of the course program which the candidate had already completed as ProTec Technical Diver is strongly recommended. Special Instructor know how (to identify ahead & solve possible problem of a course) is also part of the IDC.

2.) As soon as the instructor candidate has acquired the necessary knowledge - this applies also to crossover candidates of other agencies – he concludes his qualification for the respective technical ProTec Instructor level with an exam (IE) taken by a ProTec Course Director or, if possible, the HQ replaces this by an internal exam of the qualification & references (see basics course).

3.) All past or lower instructor certifications remain active. Career changers entering directly on a high level (e.g. Trimix) must fulfil all lower level conditions (Nitrox, Scuba AI). Therefore ID cards and certificates can be requested.



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Nitrox 1 or 2 Instructor

(actually "Basis"Speciality)

Requirements: ProTec Scuba Instructor 1* plus Nitrox 1 or 2 Diver certificate

Completion: ProTec Nitrox 1 or 2 Instructor Exam

Authorization: Training and Certification of Nitrox Diver 1 / or 1 & 2

Gas Blender Instructor (GBL-I)

Requirements: ProTec Nitrox Instructor

Conclusion: ProTec Gas Blender Instructor Exam

Authorization: Training and Certification of Gas Blender 1 & 2

SC Rebreather Instructor (SCR-I)

(same scheme for **CCR-Instructor**, here requirements are SCR-I, CCR- Diver)

Requirements: ProTec Nitrox Instructor plus SCR Diver Certificate

Conclusion: ProTec SC Rebreather Instructor Exam

Authorization: Training and Certification of Sc Rebreather Diver

Advanced Deep Instructor

New course name: INTRO TEC

Requirements: ProTec Instructor 2** plus Adv. Deep Diver Certificate

Conclusion: ProTec Adv .Deep Instructor Exam

Authorization: Training and Certification of Adv. Deep Diver

Extended Range Instructor

Requirements: ProTec Adv. Deep plus Nitrox Instructor plus Ext. Rg. Diver Certificate

Conclusion: ProTec Extended Range Instructor Exam

Authorization: Training and Certification of Ext. Rg. Diver

Normoxic Trimix Instructor

Requirements: ProTec Nitrox 2 Instructor plus Normoxic Trimix Diver Certificate



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Conclusion: ProTec Normoxic Trimix Instructor Exam

Authorization: Training and Certification of Normoxic Trimix Diver

Advanced Trimix Instructor

Requirements: ProTec Normoxic Trimix Instructor plus Adv. Trimix Diver Certificate

Conclusion: ProTec Adv. Trimix Instructor Exam

Authorization: Training and Certification of Trimix Diver (Normoxic & Adv.)

Cave 1 Instructor

New name 2013: INTRO CAVE INSTRUCTOR

Requirements: ProTec Scuba 2** Instructor plus Intro Cave Diver Certificate

Conclusion: ProTec Intro Cave Instructor Exam

Authorization: Training and Certification of Intro Cave Diver

Cave 2 Instructor

New name 2013: FULL CAVE INSTRUCTOR

Requirements: ProTec Instructor Intro Cave with practice plus Full Cave Diver Certificate

Conclusion: ProTec Full Cave 2 Instructor Exam

Authorization: Training and Certification of Full Cave Diver

Cave 3 Instructor

New name 2013: ADVANCED CAVE INSTRUCTOR

Requirements: ProTec Instructor Full Cave with practice plus Adv. Cave Diver Certificate

Conclusion: ProTec Adv. Cave Instructor Exam

Authorization: Training and Certification of Adv. Cave Diver

Wreck 1 Instructor

New name 2013: INTRO WRECK INSTRUCTOR

Requirements: ProTec Scuba 2** Instructor plus Intro Wreck Diver Certificate

Conclusion: ProTec Intro Wreck Instructor Exam

Authorization: Training and Certification of Intro Wreck Diver



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Wreck 2 Instructor

New name 2013: **TEC WRECK INSTRUCTOR**

Requirements: ProTec Instructor Intro Wreck with practice plus Tec Wreck Diver Certificate

Conclusion: ProTec Tec Wreck Instructor Exam

Authorization: Training and Certification of Tec Wreck Diver

Wreck3 Instructor

New name 2013: **ADVANCED WRECK INSTRUCTOR**

Requirements: ProTec Instructor Tec Wreck with practice plus Adv. Wreck Diver Certificate

Conclusion: ProTec Adv. Wreck Instructor Exam

Authorization: Training and Certification of Adv. Wreck Diver

CMAS international Adjustment

After intensive examination we have accomplished a revised version of equivalents in the sector of diving levels to CMAS.

Document: Comparison DIN_CMAS_PROTEC v10.pdf

Instructor Registration

This contains all the forms and information necessary for certification of any ProTec instructor.

Instructor application check list

See document: Instructor Application Checklist EN.pdf

Instructor application check list for any new ProTec-Instructor/Trainer. This file is a basic version. The latest version is always online, at members area for download.

Instructor application form

See document: Instructor Application Form EN.pdf

Instructor Application Form EN for any new ProTec-Instructor/Trainer. This file is a basic version. The latest version is always online, at members area for download.

ProTec license agreement

See document: Instructor Lizenzvertrag_EN.pdf

License agreement of terms & conditions of any ProTec-Instructor/Trainer. This file is a basic version. The latest version is always online, at members area and must be accepted in place of a signature as needed.

Instructor registration form

We strictly recommend to use online certification by members area login instead of this form.

This form is only for emergency case if Internet / ProTec members area access is not possible!

See document: InstructorRegistrationForm DE_EN_V12.xlsm

This form collects all the data necessary for certification.

A version of Microsoft Excel (2010 or higher) are required. The completed registration form with a photo of the student attached must be sent to ProTec headquarters by e-mail. Do not convert into Acrobat PDF - send an Excel file.

New Instructor set

This set is sent after the registration of a new ProTec of diving teacher (not yet registered as Instructor).

In addition, the New Instructor set contains:

- Certificate(s)
- ID card(s)
- Instructor folders
- Instructor CD with standards available for download online or FTP
- Promotion material (diving centre set)

Crossover

Instructor crossover

Comment on the general Checkup / Crossover:

Of course we should assume that an instructor of any another agency must know his way around.

Yet, there are exceptions.....

We do not "only say" we have good quality, we also work for it.

Thus a crossover at ProTec means a theory and practice check **DESPITE** existing certificates (and knowledge). We want to know how newcomers really lecture, technically and rhetorically.

We want to know, how they act under water, thus taring, movement, etc., how they react in difficult situations, particularly with beginners and their possible failure.

Unfortunately we spot on **NON** ProTec Instructors which cannot even tare. We **NEVER EVER** want to spot on ProTec Instructors which lacks such skills! So we must check them all!

All this at the risk of boring the good ones. So this can be seen as an uncompromising quality control.

Last but not least:

ProTec specials like organisation & administration (...how to certify...& more....) are new to every crossover candidate, for sure, but nevertheless very important to know.

Instructor Quality Assurance

For INSTRUCTOR CERTIFICATION, ProTec has a proved concept:

PREREQUISITES assures that the candidate is well prepared.

During an IDC (Instructor Development Course) the student learn all the skills and will be trained in theory and practise by an ProTec Instructor Trainer (IT).

At the IE (Instructor Evaluation) the student will be examined by an ProTec Course Director (CD).

The Instructor course CHECKLIST must be completed and signed by the CD.

4-eye Principe: No ProTec trainer may train / teach **AND** examine the same student for the same course level. So, regardless an CD might do IT work, For same course IT and CD must be two individuals.

A new instructor is asked to provide a course concept during an exam. What it meant? We generally differ between:

1.) Course standards - requirements and guidelines to be followed during course, a kind of quick reference. All requirements important for the course must be listed to account for the progress in training of the trainee and to enable comparisons with courses of other organizations. Production &

publishing of ProTec course standards is matter of the HQ only.

2.) Course concept – lecture and workflow of a course.

Each topic should be mentioned including the (correct) solutions in note form.

A time schedule showing the amount of time assigned to each topic is requested.

A description of the location along with a dive profile applicable for the course and the regarded diving school is also expected. The selection of just one dive profile / place of course (if more than one possibility exists) is sufficient. The profile should outline individual exercise stops including depths, time lines with height above ground and ground condition (crushed stone, sand, mud, rock).

Naturally, concepts of different candidates differ by the personal style and in detail. As long as standards are fulfilled and the philosophy of the ProTec training is communicated, individuality is permitted.

A course concept represents not only exact guidance and documentation for a certain course of a specific diving school; it is also a quality assurance and thus a step towards European Union standardisation.

An CD and / or HQ should be able to determine the following on the basis of a course concept:

- a) Are all ProTec standards included?
- b) Is everything explained and understandable?
- c) Are all practice exercises safe?
- d) Can the concept be applied economically and technically?
- e) Is the instructor candidate capable of planning a course correctly?

3.) Course manual - actually a record of the course content as it should be taught. This should help newcomers with their lecture style. In practice, printed manuals replace these records later on.

4.) Course declaration

ProTec recommend that all Instructors should have a course declaration to assure transparency and professional appearance of ProTec trainers. It is a course advertisement as an outline, It is the same information, which the trainer should provide to serious customers.

This outline have to include:

- Course name and short description
- Course schedule, date & time
 - Theory chapters listed
 - Practise exercises listed



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- Course terms & conditions
 - Price and what is included or not
 - Course location(s)

What if student fails