

# Training BULLETIN

A Training and Education Update for PADI Members Worldwide

SECOND QUARTER 2010

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### Training Bulletin Required Reading

This update is the primary training communication from your PADI Office to you. It announces PADI training standards and procedures changes and their implementation date. Your PADI Membership commitment requires you to keep abreast of PADI standards by reviewing and putting into practice the information in this quarterly update. Check with your PADI Office for more information.



# Training

## PADI Courses Certified as ISO-compliant

PADI Offices globally are certified as compliant with International Organization for Standardization (ISO) standards for Recreational Diving Services by an independent auditor, the European Underwater Federation and the Austrian Standards Institute. The ISO standards relate to five levels of diver, two levels of instructor and a service provider or dive centre. Each of these standards equate to a PADI certification or member level, which means that in effect, a diver or member holding one of these qualifications can also be said to have met the requirements of the relevant ISO standard – as though they had gained two credentials at once.

PADI certification cards will soon identify that the diver has taken a PADI course or program that is ISO-compliant. Consumers looking for a measure of quality beyond the PADI name, recognize the credibility and value of ISO-compliance on an international level.

The eight standards are listed here with their PADI equivalencies:

ISO Title	ISO Reference	PADI Equivalent
Introductory training programs to scuba diving	ISO 11121	Discover Scuba Diving
Diver Level 1 - Supervised Diver	ISO 24801-1	PADI Scuba Diver
Diver Level 2 - Autonomous Diver	ISO 24801-2	Open Water Diver
Diver Level 3 - Dive Leader	ISO 24801-3	Divemaster
Training programs on enriched air nitrox diving	ISO 11107	Enriched Air Diver
Instructor Level 1	ISO 24802-1	Assistant Instructor
Instructor Level 2	ISO 24802-2	Open Water Scuba Instructor
Recreational scuba diving service providers	ISO 24803	Dive Center or Resort

Go to <http://www.padi.com/scuba/about-padi/why-PADI/default.aspx> to download the certificate of compliance.

### Skill Development Takes Time

Give your student divers the time they need to repeat and practice skills in confined water until they comfortably master them. Remind yourself to slow down and relax your pace when working with students. Personalize and be prescriptive in your teaching. PADI performance-based training requires every student diver to gain skill, confidence and comfort with all of the performance requirements before you certify them.

See related Teaching Tips article in the Second Quarter 2010 *The Undersea Journal*.

### FAQ

**Q: May I have all four Discover Scuba Diving participants in the water if I am conducting the program from a boat and using a descent line to introduce skills\* one-on-one with each participant?**

**A:** Yes – if you can provide adequate supervision and meet the following:

- Participants must be positioned together at the surface in close proximity to yourself or a certified assistant.

*\*Conducted by PADI Instructors only.*

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- You or a certified assistant needs to be positioned to make immediate physical contact with and render assistance to all participants at all times.

Here are a few examples of how you can meet this supervision requirement:

1. While you take one participant down the descent line to practice skills, the other three participants are on the surface holding on to the boat swim step with your certified assistant either in the water with them or on the swim step within reach of each participant.
2. While you take one participant down the descent line to practice skills, the other three participants are on the surface holding on to a line from the boat or a float near the boat and your certified assistant is in the water with them.
3. The other three participants are on the surface holding on to the descent line (or the boat or float at the point where the descent line is attached) and you can see and quickly reach these participants floating above you while you practice skills with one participant.

**Q: May I conduct the open water portion of the Rescue Diver course on one day?**

**A:** Maybe, if all factors are favorable (water conditions, diver ability, divers aren't task loaded, cold, tired, etc.). PADI Rescue Diver course standards require that you conduct the inwater

portion of the course over at least two days: The inwater training, at a minimum, can be a combination of one-day confined water training and one-day of open water training; or two-days of open water training.

As with any PADI course, you may introduce and practice open water skills in a swimming pool. Whether you introduce skills in a pool first or not, PADI Standards require student divers to demonstrate skill mastery of Rescue Exercises 1-10 and Rescue Scenarios 1 and 2 in open water. If you are conducting the course over two days and one day of the inwater training is in a pool, the open water day will include Rescue Exercises 1-10 and Rescue Scenarios 1 and 2. If you have a small class and all factors are favorable, it may be possible. Most importantly, performance-based training means that you allow as much time (or as many days) as it takes to master the performance requirements. See "Skill Development Takes Time," page 1.

**Q. How many logged dives can a Rescue Diver get credit for when taking the PADI Rescue Diver course?**

**A.** Two, one for each of the two rescue scenarios. If divers are accumulating bottom time during the Rescue Exercises also conducted in open water, they may log additional dives as long as the dives meet the parameters of the Open Water Dive definition described in the General Standards and Procedures Instructor Guide.

## PADI Online

### 2010 PADI Instructor Manual Available for Download

As a renewed PADI Divemaster, Assistant Instructor or Instructor you can access the PADI *Instructor Manual* on the Pros' Site/Training Essentials. As a benefit of 2010 membership, you can view the manual online at any time, or download it. As translations of the manual become available, they will be posted to

the same place on the Pros' Site—check back if at first you don't see the language you are looking for.

Familiarize yourself with the changes that have occurred since the 2009 edition, by reviewing all 2009 and First Quarter 2010 *Training Bulletins* as well as the 2010 Instructor Manual Errata document located on the Pros' Site.

As you've learned from previous communications, the 2010 PADI *Instructor Manual* is significantly

# PADI Online

smaller than the previous version — only 160 half-size pages instead of 1070 full-size pages. The revised manual consists of training standards and definitions of course-related terms. Information concerning technique recommendations, organizational suggestions and procedural information is now found in PADI's *Guide to Teaching* (70513). As a companion to the *Instructor Manual*, the *Guide to Teaching* provides the "how to" information for teaching PADI courses and programs.

If you have any questions about the new PADI *Instructor Manual* or PADI's *Guide to Teaching*, do not hesitate to contact the Training Department at your PADI Office. To purchase PADI's *Guide to Teaching*, contact your PADI Sales Consultant.

## Looking for diver course teaching outlines?

Since most PADI Instructors and their student divers prefer independent study and prescriptive teaching to traditional in-class sessions, the presentation outlines for the PADI Open Water Diver, Rescue Diver and Divemaster courses have been relocated to the Pros' Site / Training Essentials in the Curriculum section for download if and when you need them.

## Instructor Manual Correction

There are a few typographical errors found in the printed PADI *Instructor Manual* that were corrected in the digital download version, and noted on the 2010 Instructor Manual Errata document.

For example, in the General Standards and Procedures Guide, Diver Age Restrictions Key Standards, second box indicates that student divers aged 10-11 (and their parents/guardians) must view the Youth Diving: Responsibility and Risks video/flipchart for "Confined and Open Water" experiences. This implies that it applies to swimming pool experiences and it doesn't. It should read: "**Responsibility and Risk (for Confined Open Water and Open Water).**"

## PIC Online Update

Online certification card processing is now even easier with the launch of these changes this quarter:

- Option to process an entire class on one form
- Option to process multiple certifications for an individual diver at once
- Automatically links PICs to your PADI Member number (for you or the dive center/resort)
- Ability to look up former student information so you don't have to type in addresses
- Option to use PIC Online credits to replace certification cards
- Simplified process for donations to conservation through Project AWARE Foundation

## Insurance Requirements Defined by Region

PADI Members need to meet insurance requirements for Teaching Status (Instructors) and Active Status (Divemasters). Because insurance requirements vary regionally, it's important to know what the requirements are in the region in which you will teach. For your convenience, you can find an at-a-glance PADI Member Insurance Requirement Chart on the Pros' Site Member Toolbox or IRRA Toolbox, which lists insurance requirements, if any, in various regions of the world and will allow the requirements to be easily updated if changes occur. Be sure to check out this reference if you move to a new area or are conducting professional dive activities outside the territory of your PADI Office.

It's recommended that you carry professional liability insurance for all dive services, regardless of where you are working. The number of claims being filed, both civil claims by family members and governmental claims, is increasing, even in regions not normally associated with this type of activity.

Each PADI Office works with respected insurance professionals to develop insurance programs that provide the best protection for you. If you have questions about these policies or the insurance requirements, please contact your PADI Office for more information.

## eRDPML™ – Choice for Open Water Diver Course Online

The PADI Open Water Diver Course Online now includes the choice of learning dive planning with either the eRDPML or RDP Table. The eRDPML Desktop Version along with the complete eRDPML *Instructions for Use and Study Guide* is found in the Tools Menu. Section Four and Five Knowledge Reviews, Quizzes and the Final Exam (posted on the Pros' Site) have been revised to accommodate the eRDPML as well.

Remember that you can guide your student divers to choose the eRDPML during their online course through early communications with them. Don't forget to have the Open Water Enhancement–Pak with the eRDPML and Log Book (70823) available for these eLearners.

Though the dive computer option is not yet supported in the eLearning program, what student divers learn using the eRDPML will easily transfer to using a dive computer. When you meet with eLearners to complete the course, you can introduce dive computer use through the *How to Use and Choose Dive Computers* guide (or via instructor interaction if the guide is not available in a language understood by the student) and have them complete the practical requirements as part of their dives.

## PADI's Digital Underwater Photographer Course Goes Online

Launching this quarter, divers and snorkelers can begin the PADI Digital Underwater Photographer Course (in English) online. Though the course structure hasn't changed, the course content has been updated and modernized. It continues to focus on point-and-shoot cameras – the most popular digital imaging equipment – but now blends still and video into “digital imaging,” more accurately representing what consumers do with their cameras and camcorders. The online content also includes a “how to shoot underwater video” tutorial.

Similar to other online courses, eLearners complete the independent study portion of the Digital Underwater Photographer course, and then continue on to their affiliated PADI Dive Center or Resort to

### Add Video Imaging

Example skills to use when switching from digital still to digital video imaging:

1. Practice making fluid camera moves and using the “image stabilization” camera feature to avoid shaky video
2. Practice shooting longer segments (more than ten seconds) to allow viewers to understand the subject
3. Practice shooting long, medium and close-up segments to help tell a story during the editing process
4. Practice video editing to develop a finished story

complete the digital photography workflow workshop and inwater training for certification.

You can add video imaging to the practical element of your course if you want to bring to life the video-imaging aspect of the cameras your student divers are using. (See “Add Video Imaging.”)

The course structure, standards, knowledge reviews, etc., as outlined in the Digital Underwater Photographer Specialty Course Instructor Outline remain the same, with one exception. **Effective immediately, the Level One performance requirement of white balancing the camera is now optional in Level One, and required in Level Two.** Due to camera variability, white balancing can be difficult skill for Level One, which is a simple introduction to underwater imaging. Remember that when eLearners come to you for practical training, they'll need the PADI Digital Underwater Photographer White Balance Slate for Level Two.

As revision schedules allow, the PADI *Digital Underwater Photographer Manual* will be revised to incorporate the online content changes. The existing manual works well as a companion to the online course.

## Checking eLearner Prerequisite Requirements

PADI eLearning programs notify student divers of the specific course requirements they must meet before

# PADI eLearning®

practical training can begin with a PADI Instructor. However, these requirements (such as age eligibility, prerequisite certifications, medical evaluations, and administrative paperwork such as the Youth Responsibility and Risks information required for young student divers) cannot be verified by the eLearning program.

When receiving eLearners, verify that these requirements have been met. Discussing course prerequisite requirements with your eLearners in your interactions as they work through the online program can go a long way in avoiding delays when they come to you to complete training.

## Enriched Air

### New Enriched Air Computer Dive Simulator

To help make learning enriched air dive computers and oxygen analyzer use fun and easy to understand, try out the new EANx Computer Dive Simulator, developed for use with the computer option PADI *Enriched Air Diver Manual* (70460). Your divers access the simulator by downloading it from a web link provided on a card that comes with the course manual.

#### Use It

The EANx Computer Dive Simulator contains two simulators – a PADI Oxygen Analyzer and an Enriched Air Computer. The oxygen analyzer provides the student with the basic concepts and procedures used when analyzing an enriched air cylinder.

This new simulator is an enriched air version of the air-based dive computer simulator developed for the PADI Open Water Diver course, computer option. Because some enriched air student divers may not have used the dive computer simulator, the PADI EANx Computer Dive Simulator web link also includes access to the air-based dive computer simulator.

The Enriched Air Dive Simulator includes two short tutorials that explain an enriched air multilevel dive and how oxygen exposure can limit enriched air dives. The real learning takes place in the interactive dive mode where the diver can select a mix on the simulated computer, elect to compare with an air computer and participate in repetitive dive profiles by moving the diver through the graph, completing a surface interval and then diving again. Working through various profiles teaches divers that as oxygen exposure increases, the maximum allowable bottom time decreases during subsequent dives.



#### Teach With It

Use the new simulator as a teaching aid when you are reviewing the Knowledge Review with your student divers in preparation for the exam and practical application sessions. Simply download the simulator, open it on your classroom computer and project it as you walk through the oxygen analysis and computer diving theory portion of the Enriched Air Diver course.

It's important to remember that the simulator does not replace the Practical Application portion of the Enriched Air Diver course, and can't be used to plan time and depth for an actual dive using enriched air. It provides an overview of how an oxygen analyzer and an enriched air computer work and allows a side-by-side comparison with diving an air computer using the same profile.

### What to do When You Forget to Set Your Computer

The PADI Enriched Air Diver course teaches that before each dive you set your dive computer for the oxygen percentage of the enriched air blend you'll be using. If you forget to reset your computer before a second dive, the computer may go into a conservative error mode that limits no-stop time.

Some newer computer models, however, will default to the last blend you used until you change it.

# Enriched Air

Some computers will let you change the mix underwater if necessary.

The important points to emphasize when teaching the Enriched Air Diver course or supervising those using enriched air, is that divers should:

- confirm and set their computers before each EANx dive;
- be aware of what their computers will do if they fail to do so by consulting the manufacturer's instructions; and

- remember that failing to have your computer set for the EANx blend being used raises the risk of DCS or oxygen toxicity.

Note this related change (underlined below) to the Enriched Air Diver exam, question 21. The answer key remains the same.

**21. *If after diving with enriched air you forget to set your computer with the enriched air blend and make a repetitive dive, some models will default to an error mode; whereas other models will stay set for the previous enriched air blend.***

- a. True                      b. False*

# Instructor Development

## Preparing Your IDC Candidates

Make sure your instructor candidates come to the IDC prepared with the materials they'll need and use during the program. Beyond having required materials, they should also download key documents from the Pros' Site, such as recent *Training Bulletins*, errata documents and diver course presentation outlines and knowledge review answer keys.

Since the IDC is based on prescriptive teaching, candidates will most often use the prescriptive lesson guides for the diver level courses. Because there are no prescriptive lesson guides for the divemaster course, your candidates will want to download that presentation outline (from the Curriculum section of Training Essentials on the Pros' Site) for reference during the IDC.

**Tip:** Because you provide the lesson guides for candidates to use during the IDC, load all diver course lesson guides and all presentation outlines on the classroom computer that your candidates use when giving their teaching presentations. Allow them to preview their assignments on this computer as well. The opportunity to preview the digital media will help them better prepare for their assignments. Also use the Prescriptive Teaching Video – 18 Steps found on Disc 1 of the PADI *Course Director Manual* digital version to demonstrate how to prepare a prescriptive teaching presentation.

**Q:** If I am presenting the IDC eLearning components via the live-delivery option, must I follow the same course location requirements outlined in the PADI *Course Director Manual*?

**A:** Yes. Because the online segments are part of the IDC, if you choose to deliver these presentations live to your candidates, they must be presented at one of these venues: renewed PADI 5 Star Career Development Centers, 5 Star Instructor Development Centers, and 5 Star Instructor Development Resorts or at an approved alternate location. In the case of a stand-alone Assistant Instructor course, the presentations may also be conducted at a 5 Star Dive Center or Resort.

## AI/IDC Training Records Reminder

To ensure prompt and efficient processing of all instructor-level applications, be certain that all of your instructor candidates' training documentation is carefully completed and promptly submitted to your PADI Office. Applications for IDC, OWSI and for Assistant Instructor candidates must include the Instructor Candidate Information and Training Record, documenting completed training sessions. Reference the PADI *Course Director Manual* for specific certification and registration procedures.

## TecRec Qualifying Prerequisite Certifications Posted

Both the PADI Tec Diver and PADI Tec Trimix Diver Course Instructor Guides state that you can recognize qualifying certifications from other organizations for divers enrolling on PADI TecRec courses.

To assist you in recognizing these qualifying certifications, go to the Tec Diving Blog on [www.padi.com/tecrecblog](http://www.padi.com/tecrecblog) or go to the PADI Pros' Site, Training Essentials, Tec for a list of technical certifications that meet PADI TecRec course prerequisite requirements.

If you don't find the certification you're looking for, or for further information on both diver and instructor-level technical certifications, contact your PADI Training department for clarification.

Note: PADI TecRec certifications are awarded only to those who successfully complete a PADI TecRec course. Divers from other organizations who want to receive a PADI TecRec certification must first be pre-assessed, and then successfully complete a PADI TecRec course from a qualified PADI TecRec Instructor.

## Cave Distinctive Specialty Instructor Qualifications

As announced in the First Quarter 2010 *Training Bulletin*, qualifying PADI Tec Deep Instructors may apply for a PADI Full Cave Distinctive Specialty course. If you are not a PADI Tec Deep Instructor, [a qualifying instructor certification from another organization](#) is also acceptable.

## Tec FAQ

**Q: How many Tec 45 or Tec 50 courses does a Tec Deep Instructor candidate need to assist with prior to their certification?**

**A:** An instructor applying directly to a PADI Office for the Tec Deep Instructor rating must show proof of assisting on two Tec 45 or Tec 50 courses, or one of each. Equivalent courses from other agencies may fulfill this requirement.

When an Instructor candidate completes the Tec Deep Instructor course, the candidate must assist on one Tec 45 or Tec 50 course (or qualifying equivalent). Tec Deep Instructor Trainers may role-play the part of the student diver to simulate this course, if needed.

**Q: How should I document a diver's progress through PADI TecRec courses?**

**A:** Use the recently updated PADI Tec Diver Training Record/Referral form (10173 rev. 2/10, version 2.0) to track and record your student diver's progress through Tec 40, Tec 45 and Tec 50 levels, and the PADI Tec Trimix Diver Training Record/Referral form (10294 rev. 2/10, version 2.0) for Tec Trimix 65. As the PADI TecRec courses are extensive in terms of dives and practical application, keeping track of course requirements on this form and retaining it in the diver's file is essential to maintaining good records and having proper documentation to refer a diver when needed. Download the forms from the Pros' Site, Training Essentials