



RAID 

General Diving Standards V58 - 07.03.2024

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RAID GENERAL DIVING STANDARDS (RGDS)

INTRODUCTION

The current RAID General Diving Standards (RGDS) document is the primary reference for RAID Dive Centers and Dive Professionals. These standards are to be read and applied in conjunction with the relevant training manuals for specific courses. In the event of variations, version conflicts, or other differences between those materials and the RGDS, the latest version of the RGDS should be considered the authoritative voice. Please make sure the most up-to-date version is your reference (refer to the My Documents section of your professional area at www.diveraid.com).

The RGDS applies to all activities and training marketed and offered to the diving community and the general public by a Dive Center or Dive Professional and as a RAID activity or training program. It is the responsibility of the Dive Center and Dive Professional to make sure each student is registered correctly and is properly enrolled in a RAID program prior to beginning face-to-face training or coaching.

Unless the student is properly registered and enrolled, your activities with them will NOT be considered as a RAID course or program. This will certainly leave you open to potential liabilities and personal damages in the event of an accident.

All students who register on the RAID system have access to the RGDS. This forms part of our agency's quality control system. It is your responsibility that students are aware of this and have been given access to the RGDS.

People learn to dive (primarily) to have fun. With proper training, diving is a relatively safe activity, however, diving involves inherent risk. As a dive professional your primary objective is to ensure your students have fun while taking all reasonable measures to promote the safety of everyone involved. You must also ensure that your students have the skills and confidence to continue diving competently at the level at which you certify them at the conclusion of their training.

RAID's core values are:

1. To be Inclusive
2. Aware of safety above all
3. Embrace technology to help with #1 and #2

Please understand that by adhering to the RGDS risk is mitigated but not eliminated. As a dive professional you must, as a minimum, adhere to the RGDS but also apply professional judgment when considering diving conditions, competency, your attitude, that of your students, and any other factors that can be reasonably assessed to impact the risk profile. If at any time, there is cause for doubt about safety specifically with regards to diving activities, parameters must be adjusted, or the activity should be aborted.

The RGDS does NOT override local laws, regulations, or manufacturer's recommendations even where they are found to be more conservative than the RGDS.

ALL UPDATES FROM THE PREVIOUS VERSION OF V58 ARE COLOURED BLUE.

Note: Please read the following guidelines and if you have difficulty understanding your responsibilities as a RAID professional, contact your local Regional Office or Head Quarters for clarification.

- Reference to the RAID General Diving Standards (RGDS) includes the entire RGDS document and is not limited to any one section or paragraph. The RGDS compliment and are in addition to any individual program standards. These standards are to be read and applied in conjunction with the relevant training manuals for specific courses. In the event of variations, version conflicts, or other differences between those materials and the RGDS, the latest version of the RGDS should be considered the authoritative voice.
- The only current RGDS is the online version (not printed, downloaded or saved).
- Any reference or terminology referring to, but not limited to, courses, programs, specialties, training, divemasters, assistants, instructors, instructor trainers, examiners or dive centers, is understood that "RAID" is the accepted word that must be included in such reference or terminology, unless otherwise stated.

- The RGDS are distributed for the guidance of RAID Dive Centers, RAID Professionals and for the information of RAID Members and students. The RGDS are the basis on which RAID Dive Centers and professionals must conduct their business. The RGDS will be reviewed periodically and, when necessary, updated based on recommendations agreed to by the RAID Directors.
- All RAID Dive Centers and professionals must be familiar with diving related legislation, codes of practice and protocols specific to their region and follow these or consider a more conservative approach.
- Manufacturer's guidelines and requirements must also be adhered to. If in any doubt, contact the RAID Training Department for clarification.
- Failure to follow the RGDS requirements, or apply a conservative or reasonable judgment, will be considered a breach of the standards.

DIVE PROFESSIONAL, DIVE CENTER AND STUDENT DEFINITIONS

RAID Dive Professional Definition

Within the RGDS and when referring to a Divemaster, Try Dive instructor, Instructor (any level of RAID instructor rating), Instructor Trainer (any RAID IT rating), Examiner or Tec Examiner it will be assumed that the member has current membership status with RAID, has an approved and current medical signed by a licensed medical practitioner and where available liability insurance.

RAID Dive Center Definition

Within the RGDS and when referring to a dive center of any status, it will be assumed that the center has current membership status with RAID and, where available and necessary, liability insurance.

RAID Student Definition

Within the RGDS, and when referencing a RAID student participating at any level of training, they will be referred to as a student or candidate.

DATA PROTECTION

All RAID Pro members accept and understand that the sensitive personal data and any other information secured and provided through the RAID web sites, RAID-powered online apps, official social media outlets, or personal data gathered through training programs, may be made available to local authorities and/or law enforcement worldwide upon demand. It must also be understood that the information (personal data) may be provided, through appointment, to a select section of RAID members for the purpose of providing safe diving practices only. It must be understood that sensitive personal data, once provided to the appointed RAID members may be recalled by them at any time thereafter and they have full access to the personal data only for diving related matters or as may be needed by RAID members for auditing or other official reasons. No dive center or members' personal data may be supplied to any third parties or persons outside Dive RAID International.

Personal data may not be used for any reason other than for the purposes of providing safe diving practices during training or in the case of subscriptions to RAID newsletters, online magazines, and direct marketing from RAID with specific written personal authority in compliance with our current privacy policy.

THE RAID DIFFERENCE

One of the many things that sets RAID apart in the diving industry is the depth of our online QA system. It was developed and is in place to protect you, your students, and our organization. The data it is programmed to collect is critical in this regard; in particular the student sign-off on skills completed during training, and the student logbook.

All professional members are required to explain the importance of the skills signoff and online logbook to their students as part of the RAID orientation and course guidance.

EVERY student is required to sign-off on confined water and open water skills while fully aware that when they do so they are making a clear statement that each skill has been demonstrated to them clearly, they have practiced the skill, and feel comfortable with their ability to perform it.

As an instructor, this gives you protection in the event of any form of future complaint that you delivered a faulty program lacking in skills development and diver comfort.

It also gives your associated dive center reassurance that training standards were met. Failure to explain these important points with students and to reinforce the skills sign-off process give them a chance to agree or disagree that they have received the quality of training they expected and paid for, is a serious violation of standards.

In addition, registering ALL training dives in the online logbook is required and if the online log is not completed, a paper copy of dive logs needs to be uploaded to the student's account. These are the only record of the instructor-directed dives that RAID accepts. Logging dives is a requirement and must be completed during a RAID program. Do not issue a final sign-off until training dives have been logged!

The combination of skills signoff and the online dive log should be a selling point to both potential and returning students, and our professional members are invited to promote it as such. Certainly, at the very least, our customers, your customers should be made aware of their role in helping RAID to maintain the highest quality of training in the industry today, and how important the data it collects is to fulfill the basic steps the QA process.

RAID MEMBERSHIP

From the 2022 renewal period, RAID will no longer charge a financial fee (Zero FEE-Membership) to become or maintain status as a Divemaster, Instructor, Instructor Trainer or Dive Center.

Membership is at the sole discretion of RAID. Membership update fees and reactivation costs may be applied if minimum certification numbers or training status isn't kept active.

Only in status members can teach RAID training programs.

RAID membership expires on the 31 December every year.

Members agree and understand that full personal details may be made available to local authorities and law enforcement upon demand.

RAID DIVE CENTERS

Dive Center

A dive center is required to:

1. Have a RAID Instructor on staff.
2. Purchase a minimum of 5 course credits.
3. Provide internet access for students to utilize while completing RAID training programs.
4. Complete an annual application to RAID HQ or the local RRO for RAID Dive Centre Status.
5. Access to:
 - a. a conducive academic teaching environment or classroom.
 - b. a swimming pool or suitable confined water site, with access to shallow and deep water.
 - c. all relevant scuba equipment needed to safely teach the courses being offered.
 - d. emergency oxygen equipment and first aid kits.
6. Promote dive travel.
7. Promote environmental awareness and responsibility.
8. Have a current business website, or social media website.
9. Prominently display the RAID logo on the website landing page or primary training page or in the cover image on a social media site if the business does not have a website.
10. Offer, advertise and provide information about RAID diver education.
11. Participate in RAID marketing and promotional events where possible.
12. Prominently list the benefits of RAID training to the consumer.
13. Follow the RGDS and apply these standards to all RAID programs.
14. Have no outstanding quality assurance reports with any training agency.
15. Trade and operate according to local laws.
16. Have professional liability insurance where required.

TecLab Dive Center

In addition to the requirements of a Dive Center a TecLab Center must:

1. Have a technical instructor on staff or affiliated to the center.
2. Have access to the required technical diving equipment for the relevant technical course advertised.
3. Promote RAID technical diver programs on the dive center website and within the RAID TecLab facility.

Instructor Trainer (IT) Dive Center

In addition to the requirements of a Dive Center an IT center must:

1. Have an instructor trainer on staff or affiliated to the center.
2. Promote the complete range of RAID diver education programs.
3. Promote professional-level training.

Renewal Criteria for Divemasters

Divemasters must adhere to the following standards:

- Follow the RGDS and apply these standards to all RAID programs.
- Have no outstanding quality assurance reports with any training agency.
- Promote environmental awareness and responsibility
- Have professional liability insurance (where appropriate and subject to local laws).
- Maintain correct contact information on the member's personal page on the RAID website.
- Maintain a reasonable level of fitness.
- Complete the online medical statement and should there be any "yes" answers, a medical signed by a licensed medical practitioner would be required every 2 years.

Divemasters wishing to take advantage of the Zero FEE-Membership renewals must:

- Have certified 2 RAID students in the current year. (Try Dive included). Or logged a minimum of 5 dives on the online logbook.

Renewal Criteria for Instructors

Instructors must adhere to the following standards:

1. Follow the RGDS and apply these standards to all RAID programs.
2. Have no outstanding quality assurance reports with any training agency.
3. Promote environmental awareness and responsibility
4. Have professional liability insurance (where appropriate and subject to local laws).
5. Maintain correct contact information on the member's personal page on the RAID website.
6. Hold current RAID First Aid and Oxygen Provider or equivalent.
7. Maintain a reasonable level of fitness.
8. Complete the online medical statement and should there be any "yes" answers, a medical signed by a licensed medical practitioner would be required every 2 years.
9. Where appropriate and subject to local laws an annual medical signed by a licensed medical practitioner may be required.
10. Teach at their highest level at least once every two years from the date of the last course done at that level.

Instructor Trainers in addition must:

1. Have taught at least 1 instructor candidate per year.
2. Audit an ITP conducted by RAID headquarters if they have been inactive as an IT for 2 years or more.

Instructors wishing to take advantage of the Zero FEE-Membership renewal must:

1. Have certified 5 RAID students in the current year. (Try Dive not included).
2. Attend a mandatory online update if 5 students have not been certified in the current year and pay the update fee.

Inactive Status

If renewal applications are not received and processed by 31 December of each year you will be placed in inactive status until such time as your application has been submitted and processed.

Members cannot represent themselves as a RAID Professional, nor teach, nor receive membership benefits if they are not in current active status.

Access to the professional section of the RAID web sites will be withheld until active status is restored.

Reactivation of Membership and Status

If membership has lapsed for one year, members must:

- Complete an online update.

If membership has lapsed for two to three years, members must:

- Complete an update with their local regional representative or an instructor trainer selected by the RRO.
- [Submit a medical signed by a licensed medical practitioner that is not older than 12 months.](#)
- [An Instructor Trainer that has been inactive for two years or more must attend an ITP conducted by RAID headquarters.](#)

If membership has lapsed for four years or more, members must:

- Attend an update plus an academic and in-water evaluation.

Suspension or Expulsion

If suspended or expelled for violations of the RGDS or actions that jeopardize the safety of students, instructors or surface support, or other serious violations of professional conduct, the professional member may not represent himself or herself as a RAID member, nor may they teach, or receive membership benefits.

Access to the pro member section of the RAID web page will be withheld until reinstated.

RAID will investigate all violations and the accused member will have the chance to refute and or make a report in response to the allegations as per the RAID GRIEVANCE RESOLUTION PROCESS (see below) for deliberation by RAID.

The member agrees and understands that until a decision is made, RAID may place the member in HOLD STATUS.

The member must agree and understand that all rulings made by RAID will be binding upon the member.

The member further agrees and understands that any member expelled by RAID will result in RAID notifying any other interested training agencies, organizations, or local authorities. Full details of the violation may be made available for inspection and the suspension may be published or made available to the public.

Hold Status

If a professional member is the subject of a Quality Management inquiry or does not respond to RAID official enquiries into a possible violation, they may be placed in HOLD status.

A member cannot represent himself or herself as a RAID Professional, nor teach, nor receive membership benefits while in Hold status.

Access to the dive leader section of the RAID web page will be withheld until otherwise reinstated.

Cancelling Membership

The member may cancel, without recompense, membership at any time by submitting in writing a request for cancellation directly to RAID HQ.

The member understands and agrees that cancelling means they cannot represent themselves as a RAID member, cannot teach, nor can they receive membership benefits.

Access to the dive leader section of the RAID web page will be withheld until reinstated.

Recognition of Excellence

Members, who provide superior service to divers and customers, may be recognized by RAID on the RAID website or social media.

Professional Etiquette When Working Away from Your Home Area

As an active RAID professional, you may teach anywhere and anyone (subject to local workplace, work permit regulations, and RGDS guidelines); however, out of professional courtesy:

- Professional members operating outside their affiliated RRO's region should contact the local RRO and inform them of their intentions.
- Instructors operating outside their home region for three months or more, should register with the local RRO and use it as a functional service office for support and processing of QA and registrations.

INSTRUCTOR JUDGEMENT

Defining exactly what is and what is not acceptable behavior for RAID members starts and ends with professionalism. When conducting your business, interacting with colleagues, dealing with suppliers, and customers, our membership should understand that they represent themselves and the RAID brand. However, defining precisely what good judgment is becomes more difficult

as our membership grows and the locations where we live and work covers more and more of the earth's surface (and of course, her oceans).

However, a common goal for everyone associated with RAID should be to use common sense and good judgment participating and when leading activities above and below the surface. Just as RAID is unwavering in its commitment to excellence and to making constant improvements to its teaching standards, RAID expects its professional members to be thoughtful and courteous representatives of the organization itself and the diving industry as a whole to the general public.

RAID instructors, ITs and Examiners must follow the specific teaching guidelines contained within this document. In many cases, minimum and maximum limits are provided. As a general rule, RAID expects its instructors, ITs and Examiners to exceed suggested minimums and work well shy of maximums. In particular, use of qualified assistants when doing so is the best option, and managing each day's activities based on the factors relevant on that day. Be conservative and manage risk responsibly.

ETHICAL STANDARDS AND CODES OF CONDUCT

ETHICAL REQUIREMENTS

Dive Centers and Dive Professionals take on the responsibility to conduct themselves professionally and are required to:

1. Consistently uphold the RGDS and local laws.
2. Maintain professional relationships with competitors, industry colleagues and customers.
3. Keep RAID membership current.
4. Operate lawfully and honestly in all dealings.
5. Provide a duty of care that a reasonably prudent person would expect in the same or similar conditions.
6. Consider the environmental impact of your decisions and proactively advocate for environmental protection.
7. Accept that Dive RAID International retains the right to deny or cancel membership to any professional member that has been convicted of a criminal offence during or prior to attaining membership.
8. Accept that Dive RAID International retains the right to deny or cancel membership to any professional member that has been convicted of sexual or physical abuse during or prior to attaining membership.
9. A RAID professional is duty bound to provide all students with all the relevant information pertaining to their course prior to starting training. The information provided should include an outline of the course content and certification limitations; equipment requirements; prerequisite requirements and course schedules. All costs and insurance requirements (where applicable) should be outlined in detail.

CODE OF CONDUCT FOR SCUBA INSTRUCTORS (ISO guidelines)

As a dive professional, you have a very important obligation to your students, clients and all those who come to you to be taught or led underwater: You are responsible for the safety of others.

When you earn or renew membership as a RAID professional and a member of the RAID organization, you agree to the following Code of Conduct Guidelines:

- a) Put the safety of diving clients and students as your first priority and responsibility. In doing so, abide by the requirements and intent of your RAID's standards and procedures, instructor manuals, published guides and updates, while applying your best judgment during the courses and programs you conduct.
- b) Although scuba diving is a reasonably safe activity when safety rules are followed, the risk/consequence of scuba diving can lead to very serious injuries. Be safety minded, safety conscious and practice instructing and dive mastering professionally.
- c) Perform a personal readiness self-assessment before you teach or lead others on dives. This includes evaluating your physical health and fitness for diving as well as your ability to supervise and respond to diver emergencies on that day and at that location. Evaluate the dive conditions and environment and determine if you are ready and familiar enough with it to teach or lead dives there. Assess your knowledge readiness to teach or lead dives on any given day, in order to make sure that you are familiar with the standards, latest updates and teaching tools for that program you are teaching, and that you are aware of the readiness and abilities of your student divers.
- d) When teaching, repetition is important for mastery and long-term skill retention. Mastering basic skills and breath control in a variety of conditions takes time and practice. Help those you teach and supervise by guiding them through this learning process.
- e) Each person has an individual state of mind and comfort level that can be very different from yours and can vary greatly between divers in a group. Be willing to cancel a dive for the group or an individual at any time to err on the side of safety.

- f) Be watchful for signs of diver stress and anxiety, and act quickly and appropriately when you see them.
- g) Employ effective group control measures in the water, particularly when supervising novices and children. Carry out frequent head counts.
- h) Conduct yourself and your RAID-related activities in a professional manner.
- i) Comply with the intent of RAID's diver code and safe diving practices while teaching and supervising.
- j) Not disparage the other dive industry professionals or organizations.
- k) Respect and reinforce any depth and supervisory restrictions for youth, divers with disabilities or other restricted certifications as displayed on their certification cards.
- l) Follow a strict code of conduct and abide by the requirements and intent of the Youth Code of Practice (see below) whenever teaching or supervising children.
- m) Follow a professional code of practice toward the environment and in all diving activities.

YOUTH CODE OF PRACTICE (ISO)

- a) Look after the child's health, safety and welfare.
- b) Ensure appropriate supervision during all instructional activities.
- c) Whenever possible, meet the child's parents or guardians and share program goals and objectives.
- d) Strive to keep parents or guardians involved and informed through verbal reports and updates as often as possible.
- e) Treat children, parents or guardians with respect regardless of age, race, gender and religious affiliation.
- f) Honor commitments made to children.
- g) Discuss disciplinary problems with parents or guardians.
- h) Do not engage in inappropriate contact with children.
- i) Respect a child's rights to privacy and intrude only when health and safety demand.
- j) Whenever possible, ensure two adults are with children.
- k) In all activities follow local, district, federal codes relating to working with minors.

SOCIAL MEDIA STANDARDS

- RAID professional members (divemasters, instructors, instructor-trainers, and examiners) are encouraged to use social media, forums, email, websites, and messenger groups to communicate with customers, students, potential students and other entities within the dive industry.
- You are encouraged to promote the positive aspects of scuba diving, underwater exploration, marine ecology, and to promote the preservation of waterways, lakes, seas, oceans, wrecks, caves and the aquifer using all online media.
- The same goes for promotion of your business and services online. However, be respectful of the rules and guidelines of the site you're posting on and remove any postings that site owners ask you to without rancor.
- Negative, derogatory, communications intended to insult, or that may be interpreted as cyber-bullying should not be posted on any public group or publicly accessible forum.
- Negative comments, disparagement or criticizing **any entity** of the dive industry, whether another diver, student, instructor, dive professional, manufacturer, agency, magazine, dive center or travel agent, may be considered a violation of this standard and will not be tolerated by RAID.
- Negative comments are, without exception, damaging to the growth of the dive industry and reflect poorly on scuba diving's image in the consumer's mind.
- RAID considers a violation of this standard serious misconduct, and should a RAID professional be found in breach of these standards; the punishment will be appropriate to the severity and may include immediate expulsion.
- If in doubt, refrain from posting.

ENVIRONMENTAL BEHAVIOUR

All RAID professional members have a responsibility to ensure that the aquatic environment is protected. For example, RAID promotes neutral buoyancy training as a first level of defense against the fragile marine environment being damaged by divers.

Should RAID professional members wantonly damage the aquatic environment surrounding a site, the underwater environment itself or any of the creatures that live in it, a formal quality assurance investigation may be opened.

RAID defines unacceptable behavior to include aggressive and intentional interference with vertebrate and invertebrate life, riding on or grabbing aquatic animals, intentionally damaging, or harvesting delicate coral or aquatic plant life and pollution of waterways. This does not include fishing or spearfishing where legally allowed and when appropriate permission and licenses are held.

A briefing should be conducted that explains best environmental practices covering local environment factors.

Entry and Exit points should be chosen to minimize environmental impact.

Pre-dive safety checks must ensure equipment is streamlined and secure, so that no equipment is dangling and causing damage to the environment.

Divers must maintain good buoyancy control and trim.

Participants must not step on corals, stir up sediment and should not feed, touch any aquatic life or remove any aquatic life from the environment.

When teaching new divers, it is important that the professional select a dive site that cannot be damaged if buoyancy control is lost. An example of this is a dive site with uninhabited sandy bottom topography. RAID considers any violation of this general standard serious misconduct, and a RAID professional proven to be in breach of these standards will be sanctioned according to the severity of their actions. This may include immediate expulsion and notification to an appropriate authority for further punishment.

DIVE BOATS AND THE ENVIRONMENT

Dive centres that offer boat diving should ensure that:

- Anchors are not dropped on sensitive seabed (e.g. corals, sea grass or sea weed), wherever possible permanent mooring buoys should be used.
- Launching and recovery sites should be chosen that minimize impact on the environment.
- Propellers should not be operated in close proximity to sensitive aquatic life.
- Contaminated bilge water should not be discharged in close proximity to sensitive aquatic life.
- Engines are to be well maintained to reduce pollution.
- Marine heads should vent into holding tanks and not directly into water.
- Waste water and organic waste is disposed of responsibly. If venting into open water is inevitable, this shall be done in deep water and never over reefs, sea grass or other sensitive sites.
- Participants and staff should be instructed to not drop any litter or dispose of waste into the water.
- Closed waste receptacles should be provided.
- Aquatic life should not be harassed.

STANDARDS VIOLATION PROCEDURES

If a RAID Professional believes a violation of the Standards has occurred, they must submit a Quality Violation Report Form (available in My Documents) to RAID International HQ immediately. (See RAID GRIEVANCE RESOLUTION PROCESS section below.)

INCIDENT REPORT PROCEDURES

If a RAID Professional witnesses a diving accident or incident either in training or recreationally (RAID students / divers) they must submit a [RAID Accident / Incident Report Form](#) (available in My Documents) to RAID within 14 calendar days.

Knowing exactly what constitutes an incident and when to report is sometimes confusing and is often a judgement call. Basically, any event that causes injury deserves a report. Certainly, when authorities or paramedics are called or first aid is rendered, a

report must be filed with your RRO and HQ. If in doubt, contact your local RRO. It is better to file a report for an incident that requires no further action than to not file for one that leads to an investigation or worse.

When there are several RAID professionals present – for example, other instructors on a charter boat – only one incident report is required but it should mention all RAID pros present.

An incident report must be filed within 14 calendar days for any event that occurs while RAID training is being conducted. Copies of incident reports should be kept for seven years and are confidential.

Incident Reports will remain confidential but may be shared when authorities demand. Should the incident report lead to a quality assurance investigation, the process outlined in the **RAID GRIEVANCE RESOLUTION PROCESS (RGRP)** standard will be followed.

PROFESSIONAL LIABILITY INSURANCE

RAID Professional current members must have professional liability insurance where applicable and available.

RAID REGIONAL OFFICE

A RAID Regional Office (RRO) is responsible for each regional area. The RRO holds RAID Examiners for the region and performs Instructor training for specialties, crossovers and various other events and programs. The examiners and staff members in the regional office are under the same obligations as all other RAID instructors and are subject to these standards in full. RAID examiners must be insured for professional liability.

RAID Regional offices are required to have professional liability insurance covering all their activities stating RAID International as additional insured.

RAID LOGO USE

Use of the RAID Logo is subject to copyright and published usage terms and may be used by all RAID members promoting RAID training programs.

Our logo symbolizes what we stand for and summarizes our corporate goals. It represents our company's brand and the strength of our distinctive approach to diver training, diver safety, and quality education. We have created the RAID logo in various file formats for use in many different applications and also supplied guidelines to help you pick the right logo treatment for your needs. Please understand that modifying the RAID logo in any way is not allowed (contact RAID HQ if in doubt). This includes changing colors, adding type, taking elements of the logo away.

RAID Logos and copyright materials may not be used by anyone to produce products for sale unless specified in writing by RAID HQ.

For RAID Brand Guidelines please [click here](#).

WEBSITE PRESENCE

Dive Centers are required to have their own website that:

1. Promotes their business.
2. Offers contents to the public that is up to date, reflects current business details and contact information.
3. Prominently displays the RAID logo.
4. Provides all the relevant necessary course information for the RAID training programs that they offer.
5. If Dive Centers don't have websites or their website doesn't meet minimum acceptable standards, they will be required to upgrade their website or provide the artwork for a basic page to be created for them by RAID HQ

QUALITY MANAGEMENT

RAID may monitor any training program at any time for quality control purposes.

RAID may survey students for quality control.

WAIVERS

Professional members may apply for waivers to deviate from the standards. All waiver applications will receive due consideration by RAID. Until a waiver is granted in writing, by Dive RAID International, no changes whatsoever to the RGDS or individual standards can be accepted or amended or changed in any way.

Any waiver granted must be renewed annually and is specific to the member that originally applied for the waiver since it is not transferrable. It is the responsibility of the member to renew the waiver.

Renewal of a specific waiver must be applied for by the member within 3 (three) calendar months **prior** to expiry.

RAID GRIEVANCE RESOLUTION PROCESS (RGRP)

I. INTENT

The intent of the Grievance Resolution Committee is to investigate ethical or standards-related complaints directed at RAID professional members (i.e., Dive Centers, Instructors and other Dive Professionals).

Please note, the RAID Grievance Resolution Committee (RGRC) is not responsible for complaints that are unrelated to RAID training programs and courses, or unethical business dealings directly related to RAID training programs, services or the RAID brand.

II. RECEIVING COMPLAINTS

The RGRP is made up of selected members of RAID HQ training department staff, senior ITs and Examiners, and support personnel.

Although the RGRC responds to both verbal and written complaints, verbal complaints must be followed by a written and signed complaint otherwise no action will be taken.

Emails, letters delivered using traditional delivery methods (national postal service, courier, etc.), and reports delivered via any recognized RAID online system will be treated as written complaints and acted upon as appropriate.

IMPORTANT: No immunity can be guaranteed since all parties have the right to access and review all original documents.

Also, grievance resolution procedures do not follow a predictable schedule and although all efforts will be made to conclude them in a timely fashion, a grievance resolution may take several weeks or months to complete.

III. FORMATION OF THE COMMITTEE

When a written complaint is received, a Grievance Resolution Committee is formed with a minimum of 3 members each of whom will be subject-matter experts. One member of the Committee will be nominated to communicate on its behalf with the complainant(s) and all involved parties, but all communication must be in writing and copied to all members of the Committee. All information will be treated confidentially.

IV. PROCEDURE

The Grievance Resolution Committee reviews the complaint and adheres to the following procedures:

1. The complainant is notified in writing that a complaint has been received and must agree within 15 working days that his/her personal data, along with the complaint, may be forwarded to a third party or parties. If the Grievance Resolution Procedure agreement is not received from the complainant within the given timeframe, the case will be closed and no further action will be taken.

2. On receipt of the grievance **notification** from the complainant, a copy of the complaint is sent to the RAID member by email (or certified mail if applicable). That member has 15 working days from receipt of the complaint to respond in writing.

If no written response, or an incomplete response is received by the deadline, the RAID member will be placed into inactive status and is no longer authorized to conduct RAID training courses or programs independently or perform all the duties outlined in RAID General Diving Standards, or issue RAID certifications until a written rebuttal to the complaint or full documentation is received.

If a complete written response is received, the Committee will review both the complaint and response to determine whether RAID Training or Ethical Standards have been violated.

If the Committee finds no reasonable indication of Standards violations, the Committee will notify the complainant and the RAID Professional involved that the Committee has found no violations and will take no further action.

If the Committee finds reasonable indication of a violation, it will research the complaint further.

Attention:

In severe cases where major standard or safety violations are suspected, the RAID member in question will be placed into UNDER REVIEW status with immediate effect for consumer protection and will no longer be authorized to conduct RAID training courses or programs and will be unable to issue RAID certifications until the matter is clarified.

1. To investigate fully, the Committee may contact students trained and certified in the past 12 months by the instructor in question. Students will be selected at random, and a survey sent to each student to gather further information. The Committee may also contact via phone or email all students who did not respond to the survey or did not answer all its questions. The Committee may request copies of the Training Records or other key documents from the RAID professional under investigation. The Committee may use other research methods, as it deems appropriate.
2. The Committee makes an initial determination on whether a Standards violation occurred. If research does not indicate a Standards violation, the Committee will inform all parties involved that no violations have been found and that the case is closed, and no further action will be taken (pending further documentation to the contrary).
If research indicates a Standards violation, the Committee determines appropriate action. The Committee may confer with legal representatives before acting.
3. The Committee, at its sole discretion, may require several types of remedial action.
If retraining is deemed necessary, the Committee will determine the extent of retraining, the time frame for completing the retraining and the conditions under which the RAID professional will be reinstated. (N.B. Retraining costs will be the responsibility of the RAID professional undergoing retraining).
If a termination of membership is necessary, RAID membership will be revoked. Future reinstatement as a member of the RAID organization will not be possible.
In any case the Grievance Resolution Committee will notify the parties involved in writing of the resolution of the complaint either by email (or certified mail if applicable).

RUNNING A RAID COURSE

ADMINISTRATION

1. It is the obligation of both the dive center and the professional to ensure that they review and adhere to the latest RGDS and updates which are available online through the RAID website.
2. It is a requirement that professionals maintain their RAID online profile and ensure its accuracy, especially their recorded country in which they are currently instructing in.
3. The security of login details is the member's sole responsibility and RAID, its members and affiliates take no responsibility for the direct or indirect consequences of loss from incorrect use. It is the member's responsibility to protect their password. RAID, its members and affiliates are not responsible for any personal injury, death or property loss or damage, due to the member's inability to protect their password from third parties.
4. Every student or participant in a RAID course (Try Dive being a possible exception) must complete the online registration.
5. From the date of a student purchasing a training course, the student has 6 (six) months to complete in full any RAID training program and obtain certification. This includes both in water and practical training. It is the responsibility of the dive center or instructor to inform the student of this requirement.
6. A parent or guardian signature is required for all in-water activities for any person under 18 years of age or under the legal age to be considered an adult of the country that the program is to be undertaken. In certain jurisdictions, this consent form may have to be printed and uploaded to the student's account. Check local regulations AND do not assume consent without signed confirmation.
7. The minimum age that a person may start any RAID program is detailed within these RGDS. If there is any doubt, please contact the local RAID representative or RAID International for clarification.
8. Dive Centers are to keep records (electronic or paper) of all RAID registered students, subject to local laws, including but not limited to:
 - a. Liability Release and Assumption of Risk Agreement
 - b. Safe Diving Practices and Statement of Understanding

- c. Medical Statement Questionnaire(s) / Dive Medical when required
- d. Rebreather Assembly Checklist (if applicable)
- e. Any written Quick Quiz, Exams & in water sign off
- f. Any Quality Assurance Form & Quality Violation Report Form submitted
- g. Any Accident / Incident Report Form submitted

Note: Paperwork must be retained for every registered student for a minimum of 7 (seven) years, or longer, depending on local legal requirements. Electronic copies are acceptable provided they are stored with appropriate backups and can be authenticated and are acceptable by local laws and regulations. These documents MUST be immediately available for inspection, by RAID International, their relevant insurers and local authorities upon demand. All relevant documentation is to be completed in full, signed where appropriate and collected by the certifying dive center, prior to any in water activities, regardless of training or experience level. The instructor needs to confirm through inspection, that all the relevant documentation has been obtained and is in order before any in water or practical training commences.

- 9. Any question answered 'YES' on the RAID Medical Statement Questionnaire requires that the student be examined and signed off by a Licensed Medical Practitioner stating that the holder is fit to dive before in water training is undertaken.
 - a. Should the dive professional or dive center become aware of any changes in medical circumstances (such as illness, injury or potential pregnancy) that may affect fitness for diving, a Medical Statement Questionnaire signed by a licensed medical practitioner stating the holder is fit to dive needs to be obtained prior to commencement or further participation in water practical sessions. This MUST be uploaded into the RAID website.
 - b. If a student becomes ill or injured during training, a new Medical Statement Questionnaire needs to be completed and signed off by a licensed medical practitioner before continuing with the program.
 - c. If there is any doubt regarding the physical or mental condition of a student, then a Medical Statement Questionnaire signed by a licensed medical practitioner stating that the holder is fit to dive, should be requested.
 - d. The online Medical Statement is valid for six (6) months for student divers and one (1) year for professionals. Local regulations may require a more frequent medical sign off.
 - e. A Licensed Medical Practitioner may not sign their own medical statement or give themselves a medical clearance.
- 10. The instructor must review the student's knowledge development by verifying that the quizzes and exams have all been passed and any missed questions or wrong answers have been fully reviewed by the instructor with the student. The instructor must be confident that the student has 100% understanding of all academic materials.
- 11. Quizzes & final online exams are "open book".
- 12. When a student fails the Quiz or Exam 10 times online, the instructor must review with the student the failed questions, before unlocking the quiz or exam.
- 13. If a student does not complete the course **online** Exam in front of the RAID Instructor and the Instructor was not always in attendance during the **online** Exam, then the student must complete the appropriate **off line written** Quick Quiz or Exam at the Dive Centre to demonstrate knowledge and confirm that the academic work was done by them. Should this Quick Quiz be failed, there is a second version offered as a make-up, after the instructor has reviewed the incorrect answers on the failed quiz and review with the student all key safety issues and core concepts. Should the second version be failed by the student, the RAID instructor must ensure that the student has the knowledge to continue the program by providing a formal academic training presentation and verbal quizzing of all key safety issues and core concepts. Then either A or B **written** Quick Quiz must be taken again (third time) by the student and passed with 100% to continue.
- 14. If an instructor replaces another instructor during any part of a training program, then that instructor MUST ensure and accept responsibility that all the relevant protocols and requirements have been met in accordance with the RGDS.
- 15. Downloading or printing materials including, but not limited to, training manuals, instructor guidelines, student manuals, directional guidelines, RGDS, is permitted, but will invalidate the contents as there is no update process once downloaded from the RAID website.
- 16. A risk assessment must be completed for all training sites.
- 17. The instructor must ensure that all components of online training have been signed-off.
- 18. The dive center must ensure that the student has completed all dives according to the program standards.

19. An appropriate ID style image must be uploaded to the student profile.
20. If access to the online system is unavailable, dive centers may revert to using paper sign off sheets previously downloaded from the 'My Documents' section. The online system sign-off must be completed within 7 days and prior to the student's program expiring.
21. Dive centers with limited internet access, or who have used the dive center "BYPASS" certification sign off functionality, must maintain a record of all completed work, for a minimum of 7 years from the date of certification, or according to local laws, whichever is greater. This must be completed and signed by the student and the instructor. It must include any relevant:
 - a. Mandatory paperwork
 - b. Quizzes and Exams
 - c. Confined or Open Water skills
22. For reissue or crossover certifications from another agency, substantiating documentation must be uploaded to the RAID website prior to certification and saved by the dive center (electronic or hard copy).
23. Only the online certification (e-card) or status is proof of validity.
24. Hard copy c-cards are available for a fee (if available in your region).
25. Dive centers may withhold certification for non-payment of course fees. Certifications may not be withheld due to any form of personal dispute.

MONITORED FINAL EXAM

The RAID Quality Assurance system is possibly the most comprehensive in the industry. It captures a real time record of a student's progress and understanding during a training program.

In an online learning environment, students are self-motivated to become informed scuba divers however, it is vital that you confirm that the student did indeed do the quizzes and exam themselves, and that it was not completed with any outside assistance.

Since the possible outcome of not fully understanding vital information can be extremely dangerous – imagine one of your students not understanding a critical concept like the mechanics of lung overexpansion – final exams must be monitored; that is the students "sit" the online final exam in a room with the instructor present.

If the student has completed their final exam at home, they should always complete a quick quiz in front of their instructor where possible.

DIVE SITE SELECTION AND USE

Please read this sub-section in combination with the confined water and open water definitions and the supervision guidelines.

1. It is the instructor's responsibility to approve an appropriate dive site offering suitable and appropriate training conditions.
2. The instructor must assess risk management for the dive site when making training site decisions.
3. Student ratios must be reduced when environmental conditions are less than ideal. For example, surface conditions, water temperature, visibility, and water movement. Refer to the Ratios, Limits and Control section in this document.
4. It is the instructor's responsibility to decide to cancel any open water training if environmental conditions, equipment problems, or a student's or instructor's physical or mental condition deem this necessary.
5. Where appropriate, the instructor must use additional aids to improve safety, for example, ascent and descent lines, surface support stations with adequate buoyancy to support a diver on the surface, and a qualified RAID certified assistant.
6. Open water skill evaluations are to be performed at a minimum depth of **5 meters / 15 feet**.
7. Open water training dive maximum depths are specified in the RGDS and course outlines.
8. The maximum recreational dive depth is subject to the training program standards (or diver certification).
9. Decompression diving is not permitted in recreational programs. (Decompression diving in this document is defined as a dive beyond the prevailing algorithm's NDL and requiring staged stops during the ascent to off-gas and therefore a direct ascent to the surface is likely to result in DCS.)
10. Logged dive: A dive can only be logged when conducted at a minimum depth of 5 meters / 15 feet for 20 minutes or longer.

11. Open Water training may only be conducted in daylight hours (45 minutes prior to sunset or 45 minutes after sunrise), unless specified in the course outline.
12. With the exception of the wreck, cavern, cave, ice and decompression diving programs, the student and instructor must have direct vertical access to the surface without restriction.
13. Display and fly, in a prominent position, the Diver-Down flag and comply with any other legal requirement for the area or country.
14. The instructor must be present and in direct control during all confined and open water diver training activities, unless otherwise specified.

DIVING PROCEDURES

All training dives in confined or open water must include:

1. Gas volume checks.
2. Gas analysis and cylinder marking where appropriate but must be done for all dives conducted using nitrox or mixed gas.
3. An overall Dive Site Briefing must be given if any student is new to the site, significant changes have occurred, or reasonable time has passed since they last dived the site.
4. If the Dive Evaluation Checklist is used, it should be used when diving a new dive site, or conditions change between dives.
5. Reasonable measures to control risk in and around water.
6. A dive briefing before all confined or open water dives.
7. If a diver has not logged an open water dive within the past twelve (12) months, a skill review must be conducted in confined water.
8. Unless otherwise stated in specific course standards an instructor must personally observe and evaluate each student's ability to perform and master each of the required skills for confined and open water training.
9. A RAID Divemaster may personally review and repeat skills in confined water after the instructor has confirmed mastery by the student. The Divemaster must be under the indirect supervision of an instructor.
10. Dive computers are to be used on all training dives apart from Try Dive, Junior Scuba Diver, Scuba Diver, Junior Open Water and Open Water 20, where it may be substituted with an underwater dive timing device and dive tables. Dive centers may apply for a waiver from HQ only in cases where this is not possible provided adequate motivations are received.
11. No more than 3 training dives may be conducted per day for any student.
 - a. No more than two dives requiring decompression may be conducted per day.
12. All training dives must be logged online by the student and instructor, prior to certification.
13. Training dives must be conducted in daylight hours unless otherwise specified.
14. All training dives unless otherwise specified must allow direct access to the surface.
15. During any open water training or introductory dive, instructors conducting the program must not engage in any activities other than the direct supervision of the students. (See standards for USE OF CAMERAS DURING TRAINING).
16. Rebreather courses: An Equipment Assembly checklist must be completed and signed every time equipment is assembled.
17. Rebreather courses: Consumables are checked by the students with an instructor confirming that the consumables are adequate for the next in-water training session.
18. Rebreather courses: A pre-dive checklist must be completed prior to all dives.

REFERRALS

A referral occurs when training is started with one RAID dive center and then completed with another dive center. A student can be referred at any time. A referral can also occur when training is started with a RAID center and completed with another ISO or RSTC approved agency (or vice versa).

When referring a student to another RAID dive center, the online system will continue to track the student's progress at the dive center where training is completed.

When receiving a referred RAID student, the dive center must:

- a. Verify online, that the course will not expire prior to certification.
- b. Ensure that students complete all mandatory paperwork (medical, liability release and safe diving practices) as a new student to that dive center.
- c. Assess the student's progress by checking the online results for the training program and continue from the appropriate stage of training.
- d. Review all critical skills, for the level of the referred diver, in confined water.
- e. Keep a copy of all records and paperwork as required and specified in the RGDS.

When receiving a student from a non-RAID dive center, the RAID dive center must:

- a. Provide the relevant RAID training materials to the student.
- b. Review academic knowledge using either the online quizzes and exam or the quick quiz.
- a. Ensure that students complete all mandatory paperwork (medical, liability release and safe diving practices) as a new student to that dive center.
- c. Review all critical skills, for the level of the referred diver, in confined water.
- d. Complete the required open water training dives as outlined in the relevant manual.
- e. Certify the student upon successful completion of all course components.
- f. Keep a copy of all records and paperwork as required and specified in the RGDS.

When referring a student to a non-RAID dive center, the RAID dive center must:

- a. Complete the [Referral and Flexible Training Record Form](#) and provide a copy to the student.

SUPERVISION

The supervision of students is the instructor's responsibility. The instructor must limit the number of students per instructor where environmental conditions are less than ideal, for example where underwater visibility is poor or there is significant water movement.

It is recommended the instructor use additional aids to improve safety such as ascent lines, surface support stations or safety divers where appropriate. Where safety divers are used, they must have an appropriate level of rescue competency such as certification in RAID First Aid and Oxygen Provider (or equivalent), and, wherever possible, recent experience as a diver at the level of the dives being conducted.

Be conservative and use good judgement always and err on the side of caution. Make a habit of asking yourself "are my actions those of a prudent instructor, and could I honestly defend these actions to a group of my peers if challenged?"

EQUIPMENT REQUIREMENTS

Recreational Open Circuit

Each student must have the following equipment:

- Mask.
- Snorkel. *
- Fins.
- Adequate exposure suit for the conditions.
- At least one audible and at least one visual signaling device. *
- Buoyancy compensation device with Low pressure power inflator.
- SCUBA equipment as detailed, according to the training program including a primary first stage and second stage, an alternate air source, SPG and inflator hose.
- Scuba cylinder with adequate capacity for the dive.
- Personal dive computer (Tables and a depth timing device are acceptable for OW20 only). *
- Anything else that would be expected or required according to the Risk Assessment and local laws and regulations.
- A cutting device may be carried but is optional.

*Not mandatory for Try Dive

Single Cylinder Techreational

In addition to the equipment listed in the Recreational Open Circuit above, each student must have the following equipment:

- Single cylinder (with or without H or Y valve) of adequate capacity for the planned dive.
- One standard primary regulator setup fitted with long hose (approx. 2m / 7ft) including piston clip.
- One low-pressure (LP) inflator hose for BCD and dry suit (if appropriate). LP connectors must be interchangeable.
- When using helium mixes an offboard drysuit inflation system must be used.
- One backup regulator with standard hose fitted with neck bungee.
- One SPG with piston clip.
- A recreational BCD that has capacity to carry a stage cylinder.
- OR
- Wing, plate and harness with single tank adaptor.
- Personal dive computer. Mixed gas if using trimix.
- Backup computer or depth dive timer.
- Wetnotes or wrist slate or finger slate.
- Primary and backup SMB.
- 2 x reels or spools with adequate line length for the dive depth.
- 2 x cutting devices.
- Backup Mask.
- Light where appropriate.
- Smartphone, tablet or laptop with decompression software.
- Access to an oxygen/helium analyzer.

Twinset Equipment Configuration

In addition to the equipment listed in the Recreational Open Circuit above, each student must have the following equipment:

- Wing, backplate and harness with low pressure power inflator.
- Twin cylinders with an isolation manifold and DIN valves.
- Right hand post regulator with DIN First stage, primary regulator with long hose (approx. 2m / 7ft) including piston clip. This regulator MUST be HOG looped. Low-pressure inflator hose for BCD or Dry suit (if appropriate).
- Left Hand post regulator with DIN First stage with standard regulator hose and backup second stage with neck bungee. Low-pressure inflator hose for BCD or Dry suit (if appropriate). One SPG on a long hose with piston clip for attaching to D Ring when stowed.
- When using helium mixes an offboard drysuit inflation system must be used.
- Personal dive computer. Mixed gas if using trimix.
- Backup computer or depth dive timer.
- Wetnotes or wrist slate or finger slate.
- Primary and backup SMB.
- 2 x reels or spools with adequate line length for the dive depth.
- 2 x cutting device.
- Backup Mask.
- Light where appropriate.
- Smartphone, tablet or laptop with decompression software.
- Access to an oxygen/helium analyzer.

Sidemount Equipment Configuration

In addition to the equipment listed in the Recreational Open Circuit above, each student must have the following equipment:

- A dedicated sidemount harness.
- Two correctly configured sidemount cylinders.
- Right-hand cylinder regulator with DIN First stage, primary regulator with long hose (approx. 2m / 7ft) including piston clip. Low-pressure inflator hose for buoyancy cell or Dry suit (if appropriate). One SPG on a short hose (15 - 20 cm / 6-8 inches).
- Left-hand cylinder regulator with DIN First stage with regulator hose and backup second stage with neck bungee. Low-pressure inflator hose for BCD or Dry suit (if appropriate). One SPG on a short hose (15 - 20 cm / 6-8 inches).
- When using helium mixes an offboard drysuit inflation system must be used.
- Personal dive computer. Mixed gas if using trimix.

- Backup computer or depth dive timer.
- Wetnotes or wrist slate or finger slate.
- Primary and backup SMB.
- 2 x reels or spools with adequate line length for the dive depth.
- 2 x cutting device.
- Backup Mask.
- Light where appropriate.
- Smartphone, tablet or laptop with decompression software.
- Access to an oxygen/helium analyzer.

Stage Cylinder & Regulator

- Stage cylinder holding suitable gas volume for planned dives.
- Stage cylinder rigging kit.
- Cylinder marking for MOD, Diver Name and Mix (labelled as per RAID cylinder marking standards).
- Suitable DIN regulator with SPG on a short HP hose.

Rebreather Equipment

In addition to the equipment listed in the Recreational Open Circuit above, each student must have the following equipment:

- Rebreather configured as per manufacturer specifications.
- Bailout cylinder(s) with adequate and appropriate gasses for the planned dive.
- When using helium mixes an offboard drysuit inflation system must be used.
- CCR enabled backup computer.
- Wetnotes or wrist slate or finger slate. *
- Primary and backup SMB. *
- 2 x reels or spools with adequate line length for the dive depth. *
- 2 x cutting device. *
- Backup Mask. *
- Light where appropriate.
- Smartphone, tablet or laptop with decompression software.
- Access to an oxygen/helium analyzer.

* Not mandatory on no-decompression courses unless otherwise stated.

Professional

In addition to the equipment requirements set out above, instructors and instructor trainers must have the following equipment:

- Computer (regardless of program or experience)
- Compass
- Surface marker buoy (SMB)
- Reel or spool with adequate line length for the dive depth.
- At least one cutting device.
- RAID Cue Cards where appropriate.
- Presentation and evaluation slates where needed.
- Medical oxygen and first aid provisions.
- Diver-Down Surface Marker or flag (local regulations notwithstanding)
- Anything else that would be expected or required according to the Risk Assessment and/or local laws and regulations.

THE USE OF CAMERAS DURING TRAINING

Students

With the specific exception of when participating in a photography specialty program, RAID does not sanction students using underwater cameras (still or video) while on course. Students at any level do not benefit from the potential task-loading associated with operating a camera, and the potential to be distracted and situationally unaware simply outweighs any potential

benefit.

RAID Instructors

A RAID instructor may use a camera while conducting underwater teaching sessions at any course level with the exception of Try-Dive, Junior Scuba diver, Scuba Diver, Junior Open water and Open Water 20 or any other program as mandated by RSTC.

If a camera is required for skills review in any of the programs listed above, you may follow one of the following procedures:

- 1) Have another dive professional/certified diver who is NOT part of the training team responsible for camera use
- 2) Use a permanent fixed tripod type system which requires no attention from the instructor

The camera SHOULD adhere to the highest standard of technology at present, this includes:

Having the ability to start and stop recording automatically to eliminate the need for the instructor interfering with the camera while in the water with their students.

The camera may be able to be mounted on the side of any standard diving mask, mounted on a diving helmet or attached to a "Goodman" handle. It's important that the camera does not interfere with long hose deployment or restrict the instructor's dexterity.

The camera SHOULD ideally be able to record and log depth for documentation purposes.

The Camera Advantage

The intent of this guideline is to assist in dive debriefing and skills assessment. More than any other purpose the role of a camera during training is to improve the quality and efficacy of RAID general instruction. Instructor discretion, sound judgement and common-sense must govern ANY use of a camera when diving with students.

NOTE: Instructors should also be aware that posting pictures on social media without a signed model release and the permission of students is expressly forbidden.

RATIOS, LIMITATIONS AND CONTROL

- Refer to individual course standards for applicable ratios.
 - Student ratios must be reduced when environmental conditions are less than ideal.
 - This may include water temperature, starting visibility, currents, surge, water movement, access, egress etc.
 - For courses requiring direct supervision, all members of the team must be in visual contact at all times.
 - Instructors must adjust ratios where local laws and regulations require it or when conditions call for a greater level of conservatism.
 - Ratios cannot increase by adding certified assistants, unless specified.
 - All ratios are subject to risk assessment and must be reduced to a level where safety can be maintained.
 - Certified divers joining a group of students must be factored into overall ratios.
 - The maximum depth, on any course for 10-to-11-year-olds may not exceed 12 meters/40 feet, consult individual standards. **10-to-11-year-olds may NOT participate in deep diver training.**
 - The maximum depth, on any course for 12-to-14-year-olds may not exceed 21meters/70 feet, consult individual standards.

Note: Ratios must be reduced whenever visibility, water temperature, another environmental factor or stressor affects diver performance comfort or safety. It is important to be conservative when making these judgement calls.

DEFINITIONS FOR TERMS USED WITHIN THIS DOCUMENT

As a global organization with members in many different countries and regions, arriving at one standard definition for every term used in the diving industry is a challenge. The following list does not pretend to be definitive and in certain cases, the definitions it describes may not relate fully to the guidelines, regulations and laws applicable in your part of the world, so you may need to speak with your RRO for the best answer; however, it is a working list included here as a solid reference.

ADULT

An adult is a person who has reached an age when they are legally responsible for their actions. In general terms, this is defined as a person 18 years and older, however, in the context of course prerequisites, this may vary, and may be as much as 21-years-old or as little as 15. Check corresponding course definitions for specifics.

ACADEMIC PRESENTATIONS

The RAID instructor may offer a presentation(s) of subject(s) within any section which the student may require helping with learning, but not as a substitute to the students required reading and self-study of the subject material unless it forms the only way of knowledge transfer.

Independent study and preparation mean that students can learn at their own pace which is flexible and effective. They can choose, whilst completing the academic training section, their Dive center to arrange them in-water training and discuss equipment requirements or ask any questions regarding the academic section. Students can view and download PDF documents.

ASCENT AND DESCENT LINE

A line 10 mm/3/8" thick or more, which must be firmly secured to the bottom or weighted sufficiently and strong enough to hold down the positive buoyancy effects of an uncontrolled buoyant diver, without detaching and lifting.

A flotation device must be attached to the line and must provide ample buoyancy to support a diver.

Note: Where mention is made to "Reference Line" that refers to different criteria – see Reference Line definition.

BYPASS CERTIFICATION

The "BYPASS" certification is a restricted process which allows for certification in the following situations:

- Crossover of instructors and divemasters from other agencies, through Regional Office's XO dive centres. Dive centres may apply for temporary access to the bypass functionality if the crossover is not done at an RRO XO centre.
- Issuing a card to replace a verified lost card or another agency diver with equivalent rating to bring them into the RAID family, which can only be done through a Regional Office XO centre.
- Dive centres may apply for temporary access to bypass functionality if they are experiencing limited internet connection.

In all cases documented verification must be recorded by the dive center to justify the use of the BYPASS system.

All administration procedures as required by RGDS must be adhered to.

Note: Any certification granted using the BYPASS system is clearly identified as such in the RAID system.

BUOYANCY, HOVER

Divers who can control their position in the water column while keeping their feet and hands relatively motionless are said to have control of their buoyancy or are able to hover. Beginning with OW20 graduates, and progressing through all levels of certification, RAID divers are expected to be able to hover in the water while demonstrating skills and have masterful control of their buoyancy throughout their dives. The acceptable variation differs as courses become more advanced. See course standards for specifics.

CERTIFIED

An earned status showing that a diver has met a set of standardized criteria and has proven competency at a specific level and is issued a certification card (e-card or c-card) for that particular level.

N.B. Certified does not necessarily prove recent experience, especially regarding skills directly related to diving, since diving skills are among the most perishable over time unless practiced regularly.

CONFINED WATER

Confined Water is a general term that refers to either a swimming pool or any body of water that offers pool like conditions with reference to depth, clarity, water movement, etc. Confined water has a maximum depth of 5 meters/16 feet.

Note: When teaching students who are using a drysuit, the instructor MUST be certified as a Drysuit instructor.

CONTROL

Control requires an instructor to be able to provide immediate supervision and to be able to respond quickly to student problems.

COURSE/PROGRAM

While we understand that in the strictest dictionary definition the words **course** and **program** are used to describe slightly different sequences of events, in this document and RAID manuals, the terms are used interchangeably, and describe the delivery of academic as well as practical learning.

CNS

Students participating in RAID training may not exceed 80% of the NOAA limits for CNS. This limit applies to both single dives and 24-hour limits.

DAYLIGHT HOURS

When referring to open water training daylight hours begin 45 minutes after sunrise and end 45 minutes before sunset.

DEPTH CONVENTIONS USED BY RAID

RAID publishes online material in both Metric and Imperial. For depths to be used on courses the following conventions apply which are not direct conversions. This is done for ease of reading by the users.

Metric	Imperial
5	15
9	30
12	40
15	50
18	60
20	66
21	70
24	80
27	90
30	100
35	115
40	130
50	165
60	200
80	260
100	330

DIVE EVALUATION CHECKLIST

The Dive Evaluation checklist is designed to form part of an instructor's risk management schedule. Although it is not mandatory to use this form, it is highly recommended and does assist with liability protection.

It is a site and time-specific risk assessment detailing, amongst other items, any reasonable or special precautions that need to be taken. All persons involved, agree, confirm, accept and understand the conditions and are willing to proceed with training.

The document can be found in the "My Documents" section.

EAD and END

EAD is an abbreviation for Equivalent Air Depth, where both nitrogen and oxygen are considered narcotic.

END is an abbreviation for Equivalent Narcotic (Nitrogen) Depth, where only nitrogen is considered narcotic.

EQUIPMENT ASSEMBLY CHECKLIST

The Equipment Assembly checklist is a standard list for rebreather assembly requirements and procedures. All major manufacturers supply users with factory-sanctioned assembly and pre-dive checklists, and these must be completed before using any rebreather regardless of brand.

EXCURSION DIVES

Are dives made during training under the direct supervision of a RAID Dive Professional for experience and pleasure.

FIELDWORK

Is a phrase used in some manuals and standards to describe the portion of a program or course that deals with hands-on practical training. Examples of fieldwork are students being taught how to calibrate and use a helium analyzer on a Deep 40 trimix course, an equipment configuration workshop on a Deco 40 course, or demonstrating land air-sharing drills before trying the technique in a swimming pool.

INDOOR DIVER ENVIRONMENT

This is defined as a swimming pool or aquarium. The maximum depth for an Indoor Diver is 6m/20ft.

INSURANCE

RAID Dive centers and instructors are required, where applicable and available, to have their own liability insurance.

LOGBOOK – ONLINE

All in water training must be logged by the student and instructor. Logging dives provides increased liability protection, and all RAID registered divers and professionals have access to the online digital logbook. Although it is not mandatory to use the RAID online logbook, members are encouraged to use this option.

LICENSED MEDICAL PRACTITIONER

In its simplest form, the term Licensed Medical Practitioner described a medical doctor who's familiar with the particular stresses of scuba diving on the human body (for example on the respiratory and circulatory systems); however, in some jurisdictions around the world, local laws and guidelines may require a higher degree of specialization to sign-off on medical forms. Check with your local RRO to ensure you understand the local requirements fully.

MASTERY

When a student can comfortably show proficiency and competence, when demonstrating a required motor skill including all the components of the skill in a manner that shows minimal stress and hesitation. When assessing mastery instructors are advised to judge performance based on sufficient "tests" to gauge positive progress towards excellence.

MINOR

In common law, a minor is a young person who does not have legal control or responsibility for their actions. Local regulations and laws differ, but in the context of course prerequisites, a minor requires written permission of a parent (in certain cases, both parents) or a legal guardian to participate in RAID scuba diving programs. Having a minor as a participant in a class carries responsibilities and requirements over and above those present for adult students. Check course standards for specifics.

MUST

When a standard or manual uses the word <<Must>> (e.g., A student must complete a profile on the RAID site), it denotes a mandatory action or process that is mandatory and has to be adhered to as written.

NITROX (RECREATIONAL)

Oxygen enriched breathing gas with a fraction (percentage) of oxygen between 0.22 (22%) and 0.40 (40%) content or with a maximum oxygen content partial pressure of 1.4 bar at the target operating depth (TOD) of usage and 1.6 bar at maximum operating depth (MOD).

NITROX (TECHNICAL)

Oxygen enriched breathing gas with a fraction (percentage) of oxygen between 0.22 (22%) and 0.99(99%) content or with a maximum oxygen content partial pressure of 1.4 bar at the target operating depth (TOD) of usage and 1.6 bar at maximum operating depth (MOD)

OPEN WATER

Open water is any expansive body of water that provides conditions and an environment which divers use - for example, ocean, rivers, dams, lakes, or the sea.

The open water environment must have a minimum depth of 5 meters / 16 feet.

When selecting an open water dive site following factors must be considered:

- The standards and requirements for the dive.
- Weather conditions.
- Water movement, visibility, current and surge.
- Student to instructor ratios, student ages, comfort level and experience.
- Availability of instructional assistants.
- Minimum and maximum depths required by standards for the program.
- Minimum and maximum dive times required by standards for the program.
- Some aquariums may be considered an open water site.

Note: When teaching students who are using a Drysuit, the instructor MUST be certified as a Drysuit instructor.

PAPERWORK (MANDATORY)

Paperwork is a general term used to describe the part of a professional's job and responsibility to write, keep and update records and reports, complete forms, correspond with colleagues, customers (past, present and future), local authorities, and RAID management. Paperwork includes electronic communications and files -- such as email and PDFs which do not actually result in a printed paper version.

It also includes the "Mandatory Paperwork", which must be completed for every student on every course, and this includes the following forms:

- Diver Medical Questionnaire
- Liability Release and Assumption of Risk
- Safe Diving Practices and Statement of Understanding

All mandatory paperwork has been digitized and can be accessed in the My Profile/Update Medical & Liability Release section when logged into the RAID website. The RAID system is designed to allow the mandatory paperwork to be completed at any time. The system will hold a history of all completed paperwork and the paperwork is date and time stamped. If paper versions of the mandatory paperwork are used, it is the dive center's responsibility to either upload copies to the RAID system or retain copies for a minimum of 7 (seven) years or as per local regulations and laws, whichever is the greater.

It is the responsibility of the professional conducting the experience or course to ensure that all mandatory paperwork is completed prior to beginning any in-water training.

PREREQUISITES

When a course defines prerequisites for students to enroll in a RAID program, this means a condition or conditions required PRIOR to participation in any way. For example, if a prerequisite is attaining a certain age, the student must reach that age BEFORE taking part in class or diving activities. The same is true of required experience or prior certification.

REGISTRATION

Registration requires students to complete online registration forms providing personal details, and stating that they agree to RAID's terms and conditions.

RECOGNIZED AGENCY AND EQUIVALENCY

RAID is a member of several industry organizations, such as the Recreational Scuba Training Council (RSTC) and ISO, and as such agrees that certifications from other member agencies will be honored.

In the majority of cases, equivalence is used to describe the prerequisite certifications needed to enroll in a RAID course or

program or workshop. This is usually proof of certification at a similar level from an agency other than RAID, but that which requires the participant to have familiarity and competence in similar skills and procedures to a named RAID course or program. In exceptional cases, experience or non-ISO or RSTC certifications may be considered as equivalence. For example, ratings from military, scientific, or commercial operations. If in doubt, please contact RAID’s Training Department, your local regional office or HQ.

LIMITED VISIBILITY

Where visibility is approximately 3 meters / 10 feet horizontal sight, without any artificial light or where conditions are such that they replicate nighttime. Modifications to student instructor ratios and other dive limits must be made in cases where visibility is limited or restricted. Be prudent. If in doubt, call the dive.

SUPERVISION – WHILE TRAINING RAID PROGRAMS

- Direct Supervision
 - All in water skills are to be directly supervised and evaluated by a RAID Professional, as specified in relevant program standards.
- Indirect Supervision
 - Refers to supervision where the nominated person in control is present and overseeing activities and ready to take full control at immediate notice but may not be directly in control in water.

TECHRECREATIONAL

This refers to RAID programs that bridge classic recreational and technical diver-level programs. In effect a techrecreational program includes academic topics, skills development, equipment and dive techniques that are outside the scope of traditional recreational programs, but that do not require a diver to use a twinset or sidemount to complete the course successfully. An example would be programs that allow the use of helium in diving gases or limited decompression. The use of techrecreational equipment configurations is allowed, and even encouraged on all recreational courses.

TRIM

Refers to the attitude of a diver in the water column. For example, ‘cave trim’ or ‘horizontal trim’ describes a diver whose legs and head are approximately equidistant from an imaginary line drawn parallel to the bottom, the surface, or a significant structure such as coral, a wreck, the floor of a passage or cave. Trim may also be used to describe equipment configured in a clean and streamlined fashion.

UNDERWATER TIMING DEVICE

Any waterproof device able to be worn by the diver to monitor their time underwater.

UPDATES

Periodically, RAID HQ or your local RAID Regional Office (RRO) may require you to take part in a mandatory update. This applies to all professional members and usually includes divemasters, instructors and instructor-trainers. An update may cover changes to standards, safety warnings, recalls or course definitions. Not attending may result in a RAID member being put into non-teaching status until the update has been completed.

COURSE STANDARDS

KEY STANDARDS QUICK CHECK MATRIX

	COURSE	Min Age	PRE-REQUISITES	Ratios	HOURS IN WATER	DIVES	Max Training Depth
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[Cadet Try Dive](#)

Cadet Try Dive	8	None	CW 4:1	No min No min	CW 1	3m/6ft
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Try Dive

Try Dive	12	None	CW 4:1 OW 4:1	No min No min	CW 1 OW 1	12m/40ft
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Indoor Diver

Indoor Diver	15	None	CW 8:1		CW 4	5m/15ft
			OW 8:1	(simulated)OW	OW 1 + 2	12m/40ft
					OW 3 + 4	18m/60ft

Junior Indoor Diver	12	None	CW 6:1		CW 4	5m/15ft
			OW 6:1	(simulated)OW	OW 1 + 2	12m/40ft
					OW 3 + 4	18m/60ft

Cadet Indoor Diver	10	None	CW 2:1		CW 4	5m/15ft
			OW 2:1	(simulated)OW	OW 1 + 2	12m/40ft
					OW 3 + 4	12m/40ft

Indoor Dive Upgrade

Open Water 20 Upgrade	15	Indoor Diver	CW 8:1		CW 0	5m/15ft
			OW 8:1		OW 1 + 2	12m/40ft
					OW 3 + 4	18m/60ft

Junior Diver Upgrade	12	Indoor Diver	CW 6:1		CW 0	5m/15ft
			OW 6:1		OW 1 + 2	12m/40ft
					OW 3 + 4	18m/60ft

Cadet Open Water Diver Upgrade	10	Indoor Diver	CW 2:1		CW 0	5m/15ft
			OW 2:1		OW 1 + 2	12m/40ft
					OW 3 + 4	12m/40ft

Scuba diver

Scuba Diver	15	None	CW 8:1	CW no min hrs.	CW 2	5m/15ft
			OW 8:1	OW min 1 hr	OW 1 + 2	12m/40ft

Junior Scuba Diver	12		CW 6:1	CW no min hrs.	CW 2	5m/15ft
			OW 6:1	OW min 1 hr	OW 1 + 2	12m/40ft

Cadet Scuba Diver	10		CW 2:1	CW no min hrs.	CW 2	5m/15ft
			OW 2:1	OW min 1 hr	OW 1 + 2	12m/40ft

Open water 20

Open Water 20	15	None	CW 8:1	CW no min hrs.	CW 4	5m/15ft
			OW 8:1	OW min 2 hrs	OW 1 + 2 OW 3 + 4	12m/40ft 18m/60ft

Junior Open Water	12	None	CW 6:1	CW no min hrs.	CW 4	5m/15ft
			OW 6:1	OW min 2 hrs	OW 1 + 2 OW 3 + 4	12m/40ft 18m/60ft

Cadet Open Water	10	None	CW 2:1	CW no min hrs.	CW 4	5m/15ft
			OW 2:1	OW min 2 hrs	OW 1 + 2 OW 3 + 4	12m/40ft 12m/40ft

Explorer 30

Explorer 30	15	Open Water 20	CW 8:1	CW - none	Buoyancy dive	15m/50ft
			OW 8:1	OW min 2,5 hrs	Navigation dive Deep dive Elective 1+2	20m/66ft 30m/100ft 30m/100ft

Junior Explorer 30	12	Jnr. Open Water	CW 4:1	CW - none	Buoyancy dive	15m/50ft
			OW 4:1	OW min 2,5 hrs	Nav dive Deep dive Elective 1+2	20m/66ft 21m/70ft 21m/70ft

Cadet Explorer	10	Cadet Open	CW 2:1	CW - none	Buoyancy dive	12m/40ft
			OW 2:1	OW min 2,5 hrs	Nav dive	12m/40ft
		Water			NO Deep dive	0m/0ft
					Elective 1-3	12m/40ft

Advanced 35 (No junior ratings)

Advanced 35	15	Open Water 20	CW 8:1	CW no min hrs.	CW 1 - 3	5m/15ft
			OW 8:1	OW min 4 hrs	Buoyancy dive	15m/50ft
					Nav dive	20m/66ft
					Rescue dive	20m/66ft
			Deep 1 - 8:1		Deep dive 1	30m/100ft
			Deep 2 - 6:1		Deep dive 2	35m/115ft
					Elective 1+2	30m/100ft

Master Rescue (No junior ratings)

Master Rescue	15	Explorer 30/ Advanced 35 Or OW20 Deep +3 specialties First Aid Oxygen Provider 12 Logged hrs	CW 8:1	CW no min hrs.	CW 1 - 4	5m/15ft
			OW 8:1	OW min 2.5 hrs	OW 1	15m/50ft
					OW 2	18m/60ft
					OW 3	18m/60ft
					OW 4	18m/60ft

COURSE	Min Age	PRE-REQUISITES	Ratios	HOURS IN WATER	DIVES	Max Training Depth
Divemaster	18	Master Rescue	CW 8:1	RGDS	CW	5m/15ft
		First Aid	OW 8:1	RGDS	OW	40m/130ft
		Oxygen Provider				
		Nitrox				
		Deep 40				
		Nav experience				
		Night experience				
		15hrs, 45 dives (Start)				
		30hrs, 60 dives (Finish)				
		Medical				

Try Dive Instructor CW only	18	Divemaster Instructor Medical	CW 8:1 OW None	No min None	CW 1 OW none	5m/15ft none
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Try Dive Instructor Open water	18	Instructor Instructor any agency Medical	CW 8:1 OW 8:1	No min No min	CW 1 OW1	5m/15ft 12m/40ft
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IDP Instructor Development Program	18	Divemaster First Aid Oxygen Provider Nitrox Deep 40 Nav experience Night experience 100hrs or 200 dives Medical	CW 8:1 OW 8:1	No Min No Min	CW RGDS OW RGDS	5m/15ft 20m/66ft
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IE Instructor Examination	18	Pass IDP Medical	CW 8:1 OW 8:1	No Min No Min	CW - RGDS OW - RGDS	5m/15ft 20m/66ft
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COURSE	Min Age	PRE-REQUISITES	Ratios	HOURS IN WATER	DIVES	Max Training Depth
Divemaster Instructor	18	Instructor	None	None	None	None
Recognition Rating		No standards violation 150hrs or 250 dives Medical Certified: 5 x OW students 5 x Exp 30 or Adv 35 3 x Master Rescue 10 x Specialties	None	None	None	None

Master Instructor	21	Divemaster Instructor	None	None	None	None
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Recognition Rating	No Standards Violations	None	None	None	None
	First Aid Instructor				
	Oxygen Instructor				
	300hrs logged				
	Medical Certified:				
	150 students				
	5 x Divemasters				

Performance Diver	18	Instructor	CW 6:1	OW or CW 3hrs	OW 1 or CW 1	20m/66ft
Instructor Program		First Aid Instructor	OW 6:1		OW 2 or CW 2	20m/66ft
		Oxygen Instructor				

Sidemount Instructor	18	Instructor	CW 6:1	CW 1hr	OW - RGDS	6m/20ft
Program		Nitrox Instructor	OW 6:1	OW 3hrs	OW - RGDS	40m/130ft
		Deep 40 Instructor				
		Sidemount Diver				
		25 hours				
		or 50 dives				
		sidemount				
		First Aid Instructor				
		Oxygen Instructor				

Instructor Trainer	21	Instructor for 2 yrs	CW 8:1	No Min	CW RGDS	CW RGDS
Program		Master Instructor	OW 8:1	No Min	OW RGDS	OW RGDS
		First Aid Inst.		Course 100hrs		
		Oxygen Provider Inst.				
		300 logged hours				
		Certified 150 students				
		Instructor for 70% of RAID specialties				

		80% RAID Training Medical No quality violations				
Specialty Instructor	21	Instructor Trainer	CW 8:1	No Min	CW RGDS	CW RGDS
Trainer Program		First Aid Inst. Oxygen Provider Inst.	OW 8:1	No Min Course 100hrs	OW RGDS	OW RGDS
Performance Diver	21	Instructor Trainer	CW 6:1	OW or CW 3hrs	OW 1 or CW 1	20m/66ft
Instructor Trainer Program		PD Inst. Deco 40 Inst, Trainer 5 Performance Divers Attend PD ITP	OW 6:1		OW 2 or CW 2	20m/66ft
Sidemount	21	Instructor Trainer	CW 6:1	CW 1hr	OW - RGDS	6m/20ft
Instructor Trainer Program		Sidemount Inst. Deep 40 Inst, Trainer Nitrox Inst, Trainer 15 Sidemount Divers	OW 6:1	OW 3hrs	OW - RGDS	40m/130ft
Divemaster	18	Master Rescue	CW 8:1	No Min	CW - RGDS	5m/15ft
Cross Over		First Aid Oxygen Provider Nitrox Deep 40 Medical No quality violations	OW 8:1	No Min	OW - RGDS Deep dive	20m/66ft 40m/130ft

Instructor	18	Instructor	CW 8:1	No Min	CW RGDS	5m/15ft
Cross Over		First Aid	OW 8:1	No Min	OW RGDS	20m/66ft
		Oxygen Provider			Deep dive	40m/130ft
		Nitrox				
		Deep 40				
		Medical				
		No quality violations				

Instructor Trainer	21	Instructor Trainer	CW 8:1	No Min	CW RGDS	5m/15ft
Cross Over		First Aid IT	OW 8:1	No Min	OW RGDS	20m/66ft
		Oxygen IT				
		Deep IT				
		Nitrox IT				
		Medical				
		No quality violations				

Cross Over Instructor	21	Master Instructor	CW 8:1	No Min	CW RGDS	5m/15ft
Trainer		First Aid Instructor	OW 8:1	No Min	OW RGDS	20m/66ft
		Oxygen Instructor			Deep dive	40m/130ft
		Medical				
		No quality violations				

SPECIALTIES

COURSE	Min Age	PRE-REQUISITES	Ratios	HOURS IN WATER	DIVES	Max Training Depth
Advanced Wreck	15	OW 20	CW 8:1	CW no min hrs.	CW optional	5m/15ft
		5 hours logged	OW 8:1	OW min 2 hrs	OW 1 + 2	30m/100ft
		Penetration Dives	Ow 3:1	Dives linear 40m	OW 3 + 4 from surface	35m/115ft
Wreck	15	OW 20	OW 8:1	CW optional	CW optional	5m/15ft

	12	JOW	OW 6:1	OW min 2 hrs	OW 1 + 2	30m/100ft **
	10	Cadet Diver	OW 2:1			
Boat	15	OW 20	OW 8:1	CW optional	CW none	None
	12	JOW	OW 6:1	OW min 1,5 hrs	OW 1 + 2	30m/100ft **
	10	Cadet Diver	OW 2:1			
Compressor	16	None	8:1	None	None	None
				None	None	None
Deco 40	16	Certified 3 months Expl. 30 or Adv 35 Nitrox, Deep 40 20 hours or 40 dives	CW 6:1	CW no min hrs.	CW 1	6m/20ft
			OW 4:1	OW min 3 hrs	OW 1 to 4	40m/130ft
Deep 40	15	OW 20 + 8 hours logged	OW 2:1	CW none	OW 4	None
Deep 40 Trimix	18	Nitrox (trimix option)	or 4:1 if Adv qual	OW refer to standards		40m/130ft
DPV	15	OW 20	CW 3:1	CW 1hr	CW 1	10m/33ft
				OW min 2,25 hrs	OW 1	20m/66ft
	12	JOW	OW 3:1		OW 2	25m/80ft
					OW 3	30m/100ft
DPV (Advanced)	15	OW 20	CW 3:1	CW 1hr	CW 1	10m/33ft
					OW min 2,25 hrs	OW 1
	12	JOW	OW 3:1		OW 2	25m/80ft**
		20 logged dives longhose reg. config. Navigation specialty			OW 3	30m/100ft**
Drysuit	15	OW 20	OW 8:1	CW no minimum	CW 1	5m/15ft
				OW min 2 hrs	OW 1	12m/40ft
	10	Cadet Diver	OW 2:1		OW 2	18m/60ft*
Ecological Diver	15	OW 20	OW 8:1	CW None	CW optional	5m/15ft
					OW min 1,5 hrs	OW 1
	10	Cadet Diver	OW 2:1		OW 2	25m/85ft*

Ecological Non-Diver	10	None	Inst. Decision	None	None	N/A
Equipment	15 12	OW 20 JOW	OW 8:1 OW 6:1	CW Optional OW Optional OW Optional	CW 1 Junior 15 and older	5m/15ft 21m/70ft** 30m/100ft**
Gas Blender	18	None	Inst. Decision	None	None	N/A
Ice Diver	18	Exp 30 or Adv 35 Drysuit	OW 2:1	CW None OW 1,5hrs	OW 1 OW 2 OW 3 OW 4	10m/33ft 10m/33ft 15m/50ft 20m/66ft
Master Diver	15	OW 20 5 Specialties (Only 1 non diving) 50 hrs logged Master Rescue Diver	None	None	None	N/A
Navigation	15 12 10	OW 20 JOW Cadet Diver	OW 8:1 OW 6:1 OW 2:1	CW Optional OW min 1,5 hrs	CW optional OW 1 OW 2	5m/15ft 20m/66ft* 20m/66ft *
Night & Limited Viz	15 12 10	OW 20 + 2 logged hrs JOW + 2 logged hrs Cadet + 2 logged hrs	OW 8:1 OW 6:1 OW 2:1	CW Optional OW 1hr	CW optional OW 1 OW 2	5m/15ft 15m/50ft* 20m/66ft *
Nitrox	15 12 10	OW 20 JOW Cadet	OW 8:1 OW 6:1 OW 2:1	CW Optional OW 1hr	CW optional OW 1 OW 2	5m/15ft 40m/130ft ** 40m/130ft **
Ocean Reef Full Face Mask	15 12	OW 20 JOW	OW 8:1 OW 6:1	CW 1,5hrs OW 2hrs	CW optional OW 1 OW 2	5m/15ft 18m/60ft 18m/60ft
Oxygen Administrator	10	Physically capable First Aid	OW 12:1	None	None	N/A
Performance	15	OW 20	CW 4:1	OW or CW 3hrs	CW 3	10m/33ft

Diver		8 hours logged	OW 4:1		or OW 3	20m/66ft
RAIDaptive Try Dive	12	Medical-RGDS	(D1)2:1+1 (D2)2:1+2 (D3)2:1+3	CW no min OW no min	CW 1 OW 1	5m/15ft 12m/40ft
RAIDaptive OW20	12	Medical-RGDS	(D1)2:1+1 (D2)2:1+2 (D3)2:1+3	CW no min OW 2 hrs	CW 4 OW 1+2 OW 3+4	5m/15ft 12m/40ft 18m/60ft
RAIDaptive Explorer 30	15	RAIDaptive OW20 Only D1 designation 10 logged hours Medical-RGDS	(D1)2:1+1	CW none OW 2.5 hrs	Buoyancy Navigation dive Deep dive Elective 1+2	15m/50ft 20m/66ft 30m/100ft 25m/82ft
RAIDaptive Buddy	18	Master Rescue Indate FA and O2	OW 8:1 OW 6:1	CW OW 3hrs	CW 4 OW 1	5m/15ft 18m/60ft
RAID First Aid	10	Physically capable	OW 12:1	None	None	N/A
River Diver	15	OW 20 4 hours logged	OW 4:1 or OW 2:1	CW None OW 1hr	CW None OW 1 OW 3	10m/33ft 15m/50ft
Search & Recovery	15 12	OW 20 4 hours logged	OW 8:1 OW 6:1	CW None OW 3hrs	OW 1 OW 2 OW 3 OW 4	15m/50ft 15m/50ft 15m/50ft 15m/50ft
Shark Specialties	15 12 10 10	OW 20 JOW Cadet OW Freediver, snorkeler	OW 8:1 OW 6:1 OW 2:1 RGDS	CW None OW 2hr	CW None OW 1 OW 2 Snorkeler	30m/100ft ** 30m/100ft ** 2m/6ft
Sidemount	15 12 10	OW 20 JOW Cadet OW	OW 4:1 OW 4:1 OW 2:1	CW 1hr OW 3hrs	CW 1 OW 1 OW 2	5m/10ft 15m/50ft* 20m/66ft *

Wreck	15	OW 20	OW 8:1	CW Optional	CW Optional	5m/15ft
	12	JOW	OW 6:1	OW 1,5hrs	OW 1	30m/100ft **
	10	Cadet OW	OW 2:1		OW 2	30m/100ft **

***Refer to the RGDS Ratio and depth rules if students under the age of 15 are enrolled.**
****Max depth cannot exceed the maximum depth of the diver's core level training.**
*****40m/130ft maximum linear depth from the surface/exit point.**

Note: All RAID Specialties EXCEPT Deep 40 are subject to the core level depth restrictions of the student's certification or the max training depth listed, whichever is shallower.

Example: An open water 20 diver enlisted in the wreck course may only dive to 20m/66ft even though the max training depth listed says 30m/100ft.

Example 2: A RAID Explorer 30 Diver taking a search and recovery specialty may only dive to 15m/50ft during the course, even though they are certified to 30m/100ft.

REMOTE-TRAINING

This standard is NOT course specific and must be used in conjunction with the course standards as a guideline for any RAID course delivered as a REMOTE-Training option.

I. Purpose

REMOTE-Training allows RAID courses to be delivered to students that meet course prerequisites using online course materials and duplex online audio-visual communications (two-way) between the instructor and student(s).

The courses available for REMOTE-Training are as follows:

- Equipment Specialty
- Core Rebreather Knowledge
- Eco Diver
- Eco Non-Diver
- Nitrox
- Instructor Crossover
- Crossover Instructor Trainer

II. Student Prerequisites

A candidate eligible for REMOTE-Training must meet any specific course prerequisites and must successfully completed the appropriate RAID online academics.

A student taking this course must:

- Meet the minimum age requirements as outlined in the individual course standard.
- Obtain guardian permission if a minor.
- Complete the registration process, including all mandatory paperwork.

III. Student Instructor Ratios

Refer to the individual course standards.

IV. Depth Limitations During Training

REMOTe-Training only applies to courses that do not have mandatory dives and only includes those courses listed in point I in this standard.

V. Supervision

All training must be conducted by an instructor who is certified to teach the specific course they are teaching remotely. The instructor must be “virtually” present and in direct supervision of all segments of training.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

When teaching the Nitrox specialty, the instructor must have access to a cylinder filled with nitrox and use a real nitrox analyzer during all demonstrations. Students may download the “Nitrox Virtual Analyzer” which is available on the Apple App Store and also Google Play and then use this tool to virtually analyze nitrox.

Download here:

Google Play: https://play.google.com/store/apps/details?id=ds.VAnalyzer&hl=en_GB&gl=US

Apple App Store: <https://apps.apple.com/ga/app/nitrox-virtual-analyzer/id1505174941>

VII. Course Requirements

To earn certification, the student must fulfill the following requirements.

- Complete the online academic modules, quizzes, and exam.
- Complete all the skill requirements as outlined in the relevant course outline.
- Attend the online audio-visual sessions with the instructor.

VIII. In-Water Training

There is no in-water training requirement when REMOTe-Training.

IX. Certification

Once all requirements as outlined in the individual course standards have been met, certification may be issued.

CORE LEVEL RECREATIONAL PROGRAMS

SNORKEL DIVER

I. Purpose

This course is designed to safely train students in snorkel diving to a maximum depth of 3meters/10feet. This course is seen as an easy way to introduce students to the joys of in-water activities and give an insight to different aspects of diving.

II. Student Prerequisites

A student taking this course must:

- Minimum age 10 (with parental consent)
- All waivers, releases, medical forms and required documents must be completed prior to any in-water course activities.

III. Student to instructor Ratios

Confined Water

A maximum of 8 students: 1 instructor

A maximum of 10 students: 1 instructor and 1 certified assistant

Open Water

A maximum of 8 students: 1 instructor

A maximum of 10 students: 1 instructor and 1 certified assistant

Note: Student ratios must be reduced when environmental conditions are less than ideal.

IV. Depth Limitations During Training

- Confined Water 3m/10ft
- Open Water 3m/10ft

V. Supervision

- All training must be conducted by a RAID Open Circuit instructor, RAID Freediving instructor or Try Dive instructor (Divemaster that is a Try Dive instructor). The instructor must be physically present and in direct supervision of all segments of the training.
- All assistants must be a RAID divemaster or a RAID instructor.

VI. Equipment Requirements

- Snorkeling Equipment
 - Mask
 - Snorkel
 - Fins
 - Exposure protection
- Surface float or dive flag recommended in open water

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. Complete all RAID online academics and required briefings.
2. Complete all the in-water skill requirements as outlined in the course material.
3. Complete all required dives as outlined in section VIII.

VIII. In-Water Training

- Minimum 2 hours

IX. Certification

Upon successfully completion of all requirements, a RAID Snorkel Diver certification will be issued to each candidate.

FLEXIBLE TRAINING STANDARDS FOR TRY DIVE, INDOOR DIVER, SCUBA DIVER, OPEN WATER 20 AND ALL ASSOCIATED JUNIOR RATINGS.

Flexible standards allow you to schedule a course to suit environmental conditions, access to confined and open water, classroom availability and other logistical considerations. These standards have been developed to ensure that vital knowledge and skills are understood and practiced before progressing to more complex information and skills.

Since the RAID online system is designed around linear teaching where all academics are understood and all quizzes and the exam are completed before progressing to confined and open water, you will need to track a student's progress online or using the [Referral and Flexible Training Record Form](#).

Confined Water Dive 1 may be completed after:

Option 1:

- Completion of the Diving in General manual including successfully passing the quiz.
- A full equipment setup workshop

Option 2:

- Full Flip Chart presentation.
- A full equipment setup workshop.

Option 3:

- Completion of the Try Dive Manual including successfully passing the quiz and exam.
- A full equipment setup workshop.

Note: Confined Water Dive 1 applies to Try Dive, Scuba Diver, Open Water 20 and all associated junior ratings with all cadet and junior restrictions being enforced.

All remaining Confined Water Dives may be completed after:

1. Completion of the Diving in General manual including successfully passing the quiz.
2. Completion of the Confined Water manual including successfully passing the quiz.
3. Completion of all skills from Confined Water Dive 1.
4. During CW sessions, there must be four equipment setup workshops.

Note: The remaining Confined Water Dives apply to Scuba Diver, Open Water 20 and all associated junior ratings with all cadet and junior restrictions being enforced.

Open Water Dive 1 may be completed after:

- Completion of Confined Water Dive 1 as per the guidelines.

Note: Open Water Dive 1 applies to Try Dive, Scuba Diver, Open Water 20 and all associated junior ratings with all cadet and junior restrictions being enforced.

OW Dive 2 may be completed after:

- Completion of the Diving in General manual including successfully passing the quiz.
- Completion of the Equipment manual including successfully passing the quiz.
- Completion of the Physics manual including successfully passing the quiz.
- Completion of the Physiology manual including successfully passing the quiz.
- Completion of the Confined Water manual including successfully passing the quiz.
- Completion of the Open Water manual including successfully passing the quiz.
- Completion of confined water dives 1 and 2.
- Before open water dive 2 the student must:
 - Complete a ten-minute survival swim / float without the use of mask, fins, snorkel, or other swimming aids.
 - Swim 200m without the use of mask, fins, snorkel, or other swimming aids.

OR

- Swim 300m using mask, fins and snorkel without other swimming aids.

If conditions warrant students may wear exposure protection provided, they are weighted for neutral buoyancy.

Note: Open Water Dive 2 applies to Scuba Diver and Open Water 20

OW Dives 3 and 4 may be completed after:

- All quizzes and exams have been successfully passed. (The exam may be completed after all training segments, but must be completed prior to certification.)
- All confined water dives have been successfully completed.
- Open water dives 1 and 2 have been successfully completed.

Note: Open Water Dives 3 and 4 apply to Open Water 20 only

JUNIOR CADET TRY DIVE

I. Purpose

This course is designed to allow children between the age of 8 and 10 to experience breathing on scuba underwater in the safe confines of confined water.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 8 years old .
- No previous experience is needed.
- Obtain guardian permission.
- Complete the online registration process including all mandatory online documentation prior to any in-water activities:
 - Medical questionnaire
 - Liability releases and assumption of risk
 - Safe diving practices statement of understanding

III. Student to Instructor Ratios

The maximum student to instructor ratios are:

- 2 students: 1 instructor
- 3 students: 1 instructor plus 1 Certified Assistant

Note: Student ratios must be reduced when pool conditions are less than ideal.

IV. Depth Limitations During Training

Confined water experience dives must not exceed the maximum depth of 3 meters / 10 feet.

V. Supervision

All training must be conducted by an instructor. The instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a Divemaster or higher.

VI. Equipment Requirements

Refer to Equipment Requirements in the RGDS.

Students will need equipment that has been specifically designed or set to the child's size requirements for example:

- Small mouthpieces
- Small BCD's
- Small masks
- Small fins
- Small wetsuits if required

VII. Course Requirements

This is a non-certification course; it is an experience only course.

VIII. In-Water Training

be taught:

1. Surface buoyancy control
2. Equalizing
3. Hand signals
4. Reading a SPG
5. Finding a regulator on the surface
6. Breathing through a regulator
7. Clearing a regulator
8. Finning underwater technique
9. Partial mask clear
10. Buoyancy control

IX. Certification

This is not a certification program but children can earn their Cadet Try Dive card when they complete the online quiz and exam.

TRY DIVE

I. Purpose

This non-certification program is designed to provide beginner divers with the knowledge and skills needed to safely dive under the direct supervision of a dive professional (divemaster or higher). It is a simple introduction to scuba diving designed as a safe, fun, and enjoyable adventure, allowing Try Divers to dive to a maximum depth of 5 meters/15 feet in a pool or confined water and 12 meters/40 feet in open water.

Note: Divemasters who are also certified as Try Dive instructors may teach only in confined water to a maximum depth of 5 meters/15 feet.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 10 years old.
- Obtain guardian permission if a minor.
- Complete the online registration process including all mandatory online documentation prior to any in-water activities:
 - Medical questionnaire
 - Liability releases and assumption of risk
 - Safe diving practices statement of understanding

III. Student Instructor Ratios

The maximum student to instructor ratios varies depending on the age group.

Age: 10 to 11 Years Old

- 2 students:1 instructor

Note: students who are 10 to 11 years old may join a group of a maximum of four divers, provided at least two divers in the group are aged 15 years and older.

Age: 12 Years and Older

- 4 students:1 instructor – Confined Water
- 4 students:1 instructor – Open Water

Note: Student ratios cannot be increased even when a certified assistant is present.

IV. Depth Limitations During Training

In confined water or pool, the maximum depth must not exceed 5 meters/15 feet.

In open water, the maximum depth must not exceed 12 meters/40 feet.

V. Supervision

All training must be conducted by a Try Dive instructor. The instructor must be physically present and in direct supervision of all segments of training. Certified assistants may be used to aid the instructor with direct supervision while the instructor may be attending to another student. Instructors may not use a handheld camera during student supervision.

Try Dive instructor (Confined Water only)

A Confined Water Try Dive instructor can be one of the following:

- An instructor
- A RAID divemaster who is also a certified Try Dive instructor

Note: Divemasters who are also certified as Try Dive instructors may teach only in confined water to a maximum depth of 5 meters/15 feet.

Try Dive Instructor (Open Water)

An Open Water Try Dive instructor (pool, confined water, and open water) can be one of the following:

- An instructor
- A divemaster who is also (1) a current instructor from an approved training agency and (2) a certified RAID Try Dive instructor

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

The student must fulfil the following requirements.

1. Complete the academic portion using **one** of the methods below before any in-water experience:
 - a. Complete the online Try Dive quiz and exam.
 - b. Complete the “Diving in General” quiz in the Cadet Scuba Diver, Junior Scuba Diver, Scuba Diver, Cadet Open water, Junior Open Water, or Open Water 20 courses.
 - c. [Attend the Try Dive flipbook presentation and pass online quick quiz and exam.](#)
2. Complete the confined water skills as detailed in the Try Dive instructor Guide.
3. Complete the dives as outlined in Section VIII.

VIII. In-Water Training

To receive recognition for the Try Dive experience, the student must complete these requirements.

- A minimum of 1 confined water or pool dive for the confined-only experience.
- A minimum of 1 confined water or pool dive and 1 open water dive for the open water experience.

IX. Certification

There is no formal certification associated with the Try Dive program. After successfully completing the Try Dive program, the student may complete further try dive experiences under the following conditions:

- Further experiences are completed within seven days.
- The experiences are conducted at the same dive center.

- Conditions must be similar or better than those of the previous try dive experience.
- A dive brief must be conducted by the Try Dive instructor prior to every experience.

X. Upgrade

Although Try Dive is not a certification program, it may often result in a student wanting to upgrade and enroll in a certification program. The options include: Cadet Scuba Diver, Junior Scuba Diver, Scuba Diver, Cadet Open Water Diver, Junior Open Water Diver and Open water Diver. [Students may only upgrade if their online RAID Try Diver course has been signed off.](#)

Refer to the Try Dive, Scuba Diver, and Open Water 20 Flexible Dive Training Standards for standards on upgrading a student to become a Cadet Scuba Diver, Junior Scuba Diver, Scuba Diver, Cadet Open Water Diver, Junior Open Water diver, or Open Water 20 Diver.

ISO-11121:2017(E) and RSTC Introductory Scuba Experiences

INDOOR DIVER AND JUNIOR INDOOR DIVER

I. Purpose

This course is designed to provide students with the knowledge and skills needed to safely dive autonomously with a buddy with similar or a higher level of certification and experience to a maximum depth of 18 meters/60 feet in an indoor environment. This course does not allow the student to be taught, or dive, in an open-water environment.

Note: An indoor environment is defined as either a swimming pool, a purpose-built indoor diving facility, or an aquarium. The maximum depth for an Indoor Diver may not exceed 18 meters/60 feet. Junior Indoor Divers may not exceed 12 meters/40 feet.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 12 years old.
- Obtain guardian permission if a minor.
- Be able to complete the required swim tests.
- Complete the registration process, including all mandatory paperwork.

III. Student Instructor Ratios

The maximum student to instructor ratios vary depending on the age group.

Age: 12 to 14 Years Old

- 6 students:1 instructor

Note: If there are any 12-year-olds in a class the ratio of student to instructor cannot exceed 6:1.

Note: If there are any 10-to-11-year old's (Cadet Indoor Divers), they may join a group of a maximum of four divers, provided that at least two divers in the group are aged 15 years and older.

Age: 15 Years and Older

- 8 students:1 instructor
- 10 students:1 instructor plus 1 Certified Assistant

IV. Depth Limitations During Training

For indoor training dives 1 to 4, the maximum depth must not exceed 5 meters/15 feet.
For training dives 5 and 6, the maximum depth must not exceed 12 meters/40 feet.
For training dives 7 and 8, the maximum depth must not exceed 18 meters/60 feet.

V. Supervision

All training must be conducted by an instructor. The instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a divemaster or higher.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. Complete the online academic modules, quizzes, and exam.
2. Complete all the skill requirements as outlined in the instructor Playbook for confined water dives 1 to 4 and open water dives (not to be completed in open water) 1 to 4 from the Junior Open Water Course and the Open Water 20 course.
3. Complete the following prior to the first indoor dive:
 - a. Perform a 10-minute float or tread without the use of mask, snorkel, fins, or other swimming aids.
 - b. Perform one of these untimed swim tests.
 - i. Swim 200 meters/200 yards without the use of mask, fins, snorkel, or other swimming aids.
 - ii. Swim 300 meters/300 yards with the use of mask, fins, and snorkel.
4. Complete all indoor dive(s) as outlined in section VIII.
5. Review the ***FLEXIBLE TRAINING STANDARDS FOR TRY DIVE, INDOOR DIVER, SCUBA DIVER, JUNIOR SCUBA DIVER, OPEN WATER 20 AND JUNIOR OPEN WATER*** when scheduling this course.

VIII. In-Water Training

The student must complete these requirements:

- Minimum of 4 (confined water level) with no minimum time requirement
- Minimum of 4 (open water level dives) with at least 2 hours of underwater training
- Indoor dives 1 to 4 are as outlined in the Playbook and are the same as confined water dives 1 to 4 from the Open Water 20 program.
- Indoor dives 5 to 8 are as outlined in the Playbook and are the same as open water dives 1 to 4 from the Open Water 20 program, except they are completed in an indoor environment. The minimum dive time is for each dive is 30 minutes.

IX. Certification

The Indoor Diver certification entitles the holder to dive autonomously with a buddy with similar or a higher level of certification and experience to a maximum depth of 18 meters/60 feet in an indoor environment only.

X. Upgrade Procedures

Refer to upgrade procedures For Indoor Diver

CADET INDOOR DIVER (IN DEVELOPMENT)

I. Purpose

This course is designed to provide students with the knowledge and skills needed to safely dive autonomously with a buddy with similar or a higher level of certification and experience to a maximum depth of 12 meters/40 feet in an indoor environment. This course does not allow the student to be taught, or dive, in an open-water environment.

Note: An indoor environment is defined as either a swimming pool, a purpose-built indoor diving facility, or an aquarium. The maximum depth for a Cadet Indoor Diver may not exceed 12 meters/40 feet.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 10 years old.
- Obtain guardian permission if a minor.
- Be able to complete the required swim tests.
- Complete the registration process, including all mandatory paperwork.

III. Student Instructor Ratios

The maximum student to instructor ratios vary depending on the age group.

Age: 10 to 11 Years Old

- 2 students:1 instructor

Note: Students who are 10 to 11 years old may join a group of a maximum of four divers, provided that at least two divers in the group are aged 15 years and older.

IV. Depth Limitations During Training

For indoor training dives 1 to 4, the maximum depth must not exceed 5 meters/15 feet.

For training dives 5 and 6, the maximum depth must not exceed 12 meters/40 feet.

For training dives 7 and 8, the maximum depth must not exceed 12 meters/40 feet.

V. Supervision

All training must be conducted by an instructor. The instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a divemaster or higher.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. Complete the online academic modules, quizzes, and exam.
2. Complete all the skill requirements as outlined in the instructor Playbook for confined water dives 1 to 4 and open water dives (not to be completed in open water) 1 to 4 from the Cadet Open Water course.
3. Complete the following prior to the first indoor dive:
 - a. Perform a 10-minute float or tread without the use of mask, snorkel, fins, or other swimming aids.
 - b. Perform one of these untimed swim tests.
 - i. Swim 200 meters/200 yards without the use of mask, fins, snorkel, or other swimming aids.
 - ii. Swim 300 meters/300 yards with the use of mask, fins, and snorkel.
4. Complete all indoor dives as outlined in section VIII.
5. Review the **FLEXIBLE TRAINING STANDARDS FOR TRY DIVE, INDOOR DIVER, SCUBA DIVER, OPEN WATER 20 AND ALL RELATED JUNIOR PROGRAMS** when scheduling this course.

VIII. In-Water Training

The student must complete these requirements:

- Minimum of 4 (confined water level) with no minimum time requirement
- Minimum of 4 (simulated open water level dives) with at least 2 hours of underwater training
- Indoor dives 1 to 4 are as outlined in the Playbook and are the same as confined water dives 1 to 4 from the Open Water 20 program and the associated junior programs.

- Indoor dives 5 to 8 are as outlined in the Playbook and are the same as open water dives 1 to 4 from the Open Water 20 program and all associated junior programs, except they are completed in an indoor environment. The minimum dive time is for each dive is 30 minutes.
- RAID recommends additional dives to build increased confidence when possible.

IX. Certification

The Indoor Diver certification entitles the holder to dive autonomously with a buddy with similar or a higher level of certification and experience to a maximum depth of 12 meters/40 feet in an indoor environment only. Junior or Cadet Divers may dive with a supervising adult.

X. Upgrade Procedures

Refer to upgrade procedures For Indoor Diver

SCUBA DIVER AND JUNIOR SCUBA DIVER

I. Purpose

This course is designed to provide students with the knowledge and skills needed to safely dive with a divemaster or higher to a maximum depth of 12 meters/40 feet.

II. Student Prerequisites

A student taking this course must:

- Be 12 to 14 years old to participate in the Junior Scuba Diver program.
- Be a minimum of 15 years old to participate in the Scuba Diver program.
- Obtain guardian permission if a minor.
- Be able to complete the required swim tests.
- Complete the registration process, including all mandatory paperwork.

III. Student to Instructor Ratios

The maximum student to instructor ratios vary depending on the age group.

Age: 12 to 14 Years Old

- 6 students:1 instructor

Note: If there are any 12-14-year-olds in a class the ratio of student to instructor cannot exceed 6:1.

Note: If there are any 10-to-11-year old's (Cadet Scuba Divers), they may join a group of a maximum of four divers, provided that at least two divers in the group are aged 15 years and older.

Age: 15 Years and Older

- 8 students:1 instructor
- 10 students:1 instructor plus 1 Certified Assistant

Note: Student ratios must be reduced when environmental conditions are less than ideal.

IV. Depth Limitations During Training

Training dives must not exceed the maximum depth of 12 meters/40 feet.

V. Supervision

All training must be conducted by an instructor. The instructor must be physically present and in direct supervision of all segments of training. A certified assistant may be in direct supervision of students in confined water once the instructor has completed all skills with the student to allow for skills practice under indirect supervision of the instructor.

During open water training the instructor may use a certified assistant to escort students during surface swims and exits.

During the second open water training dive and once the student has satisfactorily met all skill performance requirements, the instructor may delegate direct supervision to a certified assistant for the underwater tour portion of the dive, provided there are no more than 2 students per certified assistant.

A certified assistant must be a divemaster or higher.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

To earn certification, the student must fulfill the following requirements.

1. Complete the online academic modules, quizzes, and exam.
2. Complete all the skill requirements as outlined in the instructor Playbook.
3. Complete the swim test:
 - a. Prior to Dive 2, perform a 10-minute float or tread without the use of mask, snorkel, fins, or other swimming aids.
 - b. Prior to dive 2, perform one of these untimed swim tests.
 - i. Swim 200 meters/200 yards without the use of mask, fins, snorkel, or other swimming aids.
 - ii. Swim 300 meters/300 yards with the use of mask, fins, and snorkel.
4. Complete all confined and open water dives as outlined in section VIII.
5. Review the ***FLEXIBLE TRAINING STANDARDS FOR TRY DIVE, INDOOR DIVER, SCUBA DIVER, JUNIOR SCUBA DIVER, OPEN WATER 20 AND JUNIOR OPEN WATER*** when scheduling this course.

VIII. In-Water Training

To be certified, the student must complete these requirements.

- Minimum of 2 confined water dives with no minimum time requirement
- Minimum of 2 open water dives with at least 1 hour of underwater training

Note: Refer to the Try Dive, Scuba Diver, and Open Water 20 Flexible Dive Training Standards for flexibility in standards when teaching.

IX. Certification

The Junior Scuba Diver and Scuba Diver certifications entitle the holder to dive with a dive professional to a maximum depth of 12 meters/40 feet in conditions similar or better than those experienced during training, with a maximum of four scuba divers per dive professional.

The Junior Scuba Diver certification is awarded to divers 12 to 14 years old.

The Scuba Diver certification is awarded to divers 15 years of age or older.

X. Upgrade Procedures

Refer to Upgrade Procedures for Cadet, Scuba Diver and Junior Diver Programs ISO-24801-1:2014(E) and RSTC Supervised Diver Certification

CADET SCUBA DIVER (IN DEVELOPMENT)

I. Purpose

This course is designed to provide students with the knowledge and skills needed to safely dive with a divemaster or higher to a maximum depth of 12 meters/40 feet.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 10 years old to participate in the Cadet Scuba Diver program.

- Obtain guardian permission.
- Be able to complete the required swim tests.
- Complete the registration process, including all mandatory paperwork.

III. Student to Instructor Ratios

The maximum student to instructor ratios is:

Age: 10 to 11 Years Old

- 2 students:1 instructor

Note: Students who are 10 to 11 years old may join a group of a maximum of four divers, provided that at least two divers in the group are aged 15 years and older.

Note: Student ratios must be reduced when environmental conditions are less than ideal.

IV. Depth Limitations During Training

Training dives must not exceed the maximum depth of 12 meters/40 feet.

V. Supervision

All training must be conducted by an instructor. The instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a divemaster or higher.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

To earn certification, the student must fulfill the following requirements.

1. Complete the online academic modules, quizzes, and exam.
2. Complete all the skill requirements as outlined in the instructor Playbook.
3. Complete the swim test:
 - a. Prior to Dive 2, perform a 10-minute float or tread without the use of mask, snorkel, fins, or other swimming aids.
 - b. Prior to dive 2, perform one of these untimed swim tests.
 - i. Swim 200 meters/200 yards without the use of mask, fins, snorkel, or other swimming aids.
 - ii. Swim 300 meters/300 yards with the use of mask, fins, and snorkel.
4. Complete all confined and open water dives as outlined in section VIII.
5. Review the **FLEXIBLE TRAINING STANDARDS FOR TRY DIVE, INDOOR DIVER, SCUBA DIVER, JUNIOR SCUBA DIVER, OPEN WATER 20 AND JUNIOR OPEN WATER** when scheduling this course.

VIII. In-Water Training

To be certified, the student must complete these requirements.

- Minimum of 2 confined water dives with no minimum time requirement
- Minimum of 2 open water dives with at least 1 hour of underwater training

Note: Refer to the Try Dive, Scuba Diver, and Open Water 20 Flexible Dive Training Standards for flexibility in standards when teaching.

IX. Certification

The Cadet Scuba Diver certification entitles the holder to dive with a dive professional to a maximum depth of 12 meters/40 feet in conditions similar or better than those experienced during training, with a maximum of four scuba divers per dive professional.

X. Upgrade Procedures

Refer to Upgrade Procedures for Cadet, Scuba Diver and Junior Diver Programs
ISO-24801-1:2014(E) and RSTC Supervised Diver Certification

OPEN WATER 20 DIVER AND JUNIOR OPEN WATER DIVER

I. Purpose

Junior Open Water Diver - For divers aged 12 to 14 years old, this course is designed to provide students with the knowledge and skills needed to safely dive **with a certified adult dive buddy** to a maximum **depth** of 18 meters/60 feet.

Open Water 20 Diver For divers aged 15 years and older, this course is designed to provide students with the knowledge and skills needed to safely dive **with a certified dive buddy** to a maximum depth of 20 meters/66 feet.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 12 years old to participate in the Junior Open Water Diver program.
- Be a minimum of 15 years old to participate in the Open Water 20 Diver program.
- Obtain guardian permission if a minor.
- Be able to complete the required swim tests.
- Complete the registration process, including all mandatory paperwork.

III. Student to Instructor Ratios

The maximum student to instructor ratios vary depending on the age group.

Age: 12 to 14 Years Old

- 6 students:1 instructor

Note: If there are any 12-14-year-olds in a class the ratio of student to instructor cannot exceed 6:1.

Note: Students who are 10 to 11 years old (Cadet Open Water) may join a group of a maximum of four divers, provided that at least two divers in the group are aged 15 years and older.

Age: 15 Years and Older

- 8 students:1 instructor
- 10 students:1 instructor plus 1 Certified Assistant

IV. Depth Limitations During Training

For training dives 1 and 2, the maximum depth must not exceed 12 meters/40 feet.

For training dives 3 and 4, the maximum depth must not exceed 18 meters/60 feet.

V. Supervision

All training must be conducted by an instructor. The instructor must be physically present and in direct supervision of all segments of training. A certified assistant may be in direct supervision of students in confined water once the instructor has completed all skills with the student to allow for skills practice under indirect supervision of the instructor.

During open water training the instructor may use a certified assistant to escort students during surface swims and exits.

During the second open water training dive and once the student has satisfactorily met all skill performance requirements, the instructor may delegate direct supervision to a certified assistant for the underwater tour portion of the dive, provided there are no more than 2 students per certified assistant.

Provided all skills have been satisfactorily completed under direct supervision of the instructor during dive 4, the underwater navigation exercise may be conducted under indirect supervision of the instructor and with a certified assistant.

A certified assistant must be a divemaster or higher.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. Complete the course in a minimum of two days.
2. Complete the online academic modules, quizzes, and exam.
3. Complete all the skill requirements as outlined in the instructor Playbook.
4. Complete the following:
 - a. Prior to Dive 2, perform a 10-minute float or tread without the use of mask, snorkel, fins, or other swimming aids.
 - b. Prior to Dive 2, perform one of these untimed swim tests.
 - i. Swim 200 meters/200 yards without the use of mask, fins, snorkel, or other swimming aids.
 - ii. Swim 300 meters/300 yards with the use of mask, fins, and snorkel.
5. Complete all confined and open water dives as outlined in section VIII.
6. Review the ***FLEXIBLE TRAINING STANDARDS FOR TRY DIVE, INDOOR DIVER, SCUBA DIVER, JUNIOR SCUBA DIVER, OPEN WATER 20 AND JUNIOR OPEN WATER*** when scheduling this course.

VIII. In-Water Training

To be certified, the student must complete these requirements.

- Minimum of 4 confined water dives with no minimum time requirement
- Minimum of 4 open water dives with at least 2 hours of underwater training

Note: Refer to the Try Dive, Scuba Diver, and Open Water 20 Flexible Dive Training Standards for flexibility in standards when teaching.

IX. Certification

For divers aged 12 to 14 years old, the Junior Open Water 20 certification entitles the holder to dive **with a certified adult dive buddy of equal or higher certification** to a maximum depth of 18 meters/60 feet in conditions similar or better than those experienced during training.

For divers aged 15 years and older, the Open Water 20 certification entitles the holder to dive **with a certified dive buddy** to a maximum depth of 20 meters/66 feet in conditions similar or better than those experienced during training.

X. Upgrade Procedures

Refer to Upgrade Procedures for Cadet, Scuba Diver and Junior Diver Programs ISO-24801-2:2014(E) and RSTC Open Water Diver Certification

CADET OPEN WATER DIVER

I. Purpose

For divers aged 10 to 11 years old, this course is designed to provide students with the knowledge and skills needed to safely dive **with a certified adult dive buddy** to a maximum depth of 12 meters/40 feet.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 10 years old to participate in the Cadet Open Water Diver program.
- Obtain guardian permission if a minor.
- Be able to complete the required swim tests.
- Complete the registration process, including all mandatory paperwork.

III. Student to Instructor Ratios

The maximum student to instructor ratios vary depending on the age group.

Age: 10 to 11 Years Old

- 2 students:1 instructor

Note: Students who are 10 to 11 years old may join a group of a maximum of four divers, provided that at least two divers in the group are aged 15 years and older.

IV. Depth Limitations During Training

For training dives 1 to 4, the maximum depth must not exceed 12 meters/40 feet.

Note: For students who are 10 to 11 years old, the maximum depth must not exceed 12 meters/40 feet on any dive.

V. Supervision

All training must be conducted by an instructor. The instructor must be physically present and in direct supervision of all segments of training.

Note: Ratios may not be increased when using a certified assistant.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. Complete the course in a minimum of two days.
2. Complete the online academic modules, quizzes, and exam.
3. Complete all the skill requirements as outlined in the instructor Playbook.
4. Complete the following:
 5. Prior to Dive 2, perform a 10-minute float or tread without the use of mask, snorkel, fins, or other swimming aids.
 6. Prior to Dive 2, perform one of these untimed swim tests.
 7. Swim 200 meters/200 yards without the use of mask, fins, snorkel, or other swimming aids.
 8. Swim 300 meters/300 yards with the use of mask, fins, and snorkel.
 9. Complete all confined and open water dives as outlined in section VIII.
10. Review the **FLEXIBLE TRAINING STANDARDS FOR TRY DIVE, INDOOR DIVER, SCUBA DIVER, JUNIOR SCUBA DIVER, OPEN WATER 20 AND JUNIOR OPEN WATER** when scheduling this course.

VIII. In-Water Training

To be certified, the student must complete these requirements.

- Minimum of 4 confined water dives with no minimum time requirement
- Minimum of 4 open water dives with at least 2 hours of underwater training

Note: Refer to the Try Dive, Scuba Diver, and Open Water 20 Flexible Dive Training Standards for flexibility in standards when teaching.

IX. Certification

For divers aged 10 to 11 years old, the Cadet Open Water certification entitles the holder to dive **with a certified adult dive buddy of equal or better certification** to a maximum depth of 12 meters/40 feet in conditions similar or better than those experienced during training.

X. Upgrade Procedures

Refer to Upgrade Procedures for Cadet, Scuba Diver and Junior Diver Programs
ISO-24801-2:2014(E) and RSTC Open Water Diver Certification

UPGRADE PROCEDURES FOR TRY DIVE, CADET, SCUBA DIVER AND JUNIOR PROGRAMS

Try Diver – Cadet Diver, Junior Open Water or Open Water 20

Although Try Dive is not a certification program, it may often result in a student wanting to upgrade and enroll in a certification program. The options include: Cadet Scuba Diver, Junior Scuba Diver, Scuba Diver, Cadet Open Water Diver, Junior Open Water Diver and Open water Diver.

Refer to the Try Dive, Scuba Diver, and Open Water 20 Flexible Dive Training Standards for standards on upgrading a student to become a Cadet Scuba Diver, Junior Scuba Diver, Scuba Diver, Cadet Open Water Diver, Junior Open Water diver, or Open Water 20 Diver.

Cadet Scuba Divers – Junior Open Water or Open Water 20

Cadet Scuba Divers may advance to Junior Open Water divers or Open Water 20 divers by completing the Open Water 20 or Junior Open Water diver course

- The diver is 12-14 years – Junior Open Water
- The diver is 15 years or older – Open Water 20
- The diver purchases the material and certification for Open Water 20.
- The student completes all the academic quizzes and exam for the Open Water 20 program.
- The student has completed confined water training dives 3 and 4 of the Open Water 20 program and reviewed any skills that may need refreshing.
- The student has mastered the skills (including all flexible skills) for open water dives 3 and 4 of the Open Water 20 program.

Cadet Scuba Divers – Junior Scuba Diver or Scuba Diver

Cadet Scuba Divers may advance to Junior Scuba Diver or Scuba Diver by completing the Scuba Diver or Junior Scuba Diver course

- The diver is 12-14 years – Junior Scuba Diver
- The diver is 15 years or older – Scuba Diver
- The diver purchases the material and certification for the Scuba Diver Program.
- The student completes all the academic quizzes and exam for the Scuba Diver program.
- The student completes at least one dive with an instructor to show competence as a full Junior Scuba Diver or Scuba Diver.
- The instructor should review skills including dive planning, mask clearing, regulator recovery, buoyancy control, gas sharing, SMB use and any skills which the instructor deems necessary.

Scuba Diver and Junior Scuba Diver – Junior Open Water or Open Water 20

Scuba Diver and Junior Scuba Divers may advance to Junior Open Water or Open Water 20 20 subject to the following:

- The diver is 12-14 years – Junior Open Water 20
- The diver is 15 years or older – Open Water 20
- The diver purchases the material and certification for Open Water 20.
- The student completes all the academic quizzes and exam for the Open Water 20 program.
- The student has completed confined water training dives 3 and 4 of the Open Water 20 program and reviewed any skills that may need refreshing.
- The student has mastered the skills (including all flexible skills) for open water dives 3 and 4 of the Open Water 20 program.

Cadet Divers – Junior Open Water or Open Water 20

Cadet Divers may advance to Junior Open Water divers or Open Water 20 divers by completing the Open Water 20 or Junior Open Water diver course

- The diver is 12-14 years – Junior Open Water
- The diver is 15 years or older – Open Water 20
- The diver purchases the material and certification for Open Water 20.
- The student completes all the academic quizzes and exam for the Open Water 20 program.
- The student completes at least one dive with an instructor to show competence as a full Junior Openwater Diver or Open Water 20 diver.
- The instructor should review skills including dive planning, mask clearing, regulator recovery, buoyancy control, gas sharing, SMB use and any skills which the instructor deems necessary.

Junior Open Water Diver – Open Water 20

- The diver is 15 years or older
- The diver purchases the material and certification for Open Water 20.
- The student completes at least one dive with an instructor to show competence as a full Open Water 20 diver.
- The instructor should review skills including dive planning, mask clearing, regulator recovery, buoyancy control, gas sharing, SMB use and any skills which the instructor deems necessary.
- The student does not need to complete all the quizzes and exams again since the Junior certification serves as proof that all the knowledge has been gained. The instructor may sign off all the in-water skills for the Open Water 20 once all the requirements have been met.

UPGRADE PROCEDURES FOR CADET, JUNIOR, SCUBA DIVER AND OPEN WATER PROGRAMS

Cadet Scuba Divers – Junior Scuba Diver or Scuba Diver

Cadet Scuba Divers may advance to Junior Scuba Diver or Scuba Diver by completing the Scuba Diver or Junior Scuba Diver course.

Divers wishing to upgrade must:

- Be 12-14 years old to upgrade to Junior Scuba Diver.
- Be 15 years or older to upgrade to Scuba Diver.
- Purchase the material and certification required to upgrade.
- Complete all the academic quizzes and exam required to upgrade.
- Complete at least one confined water review dive.
- Complete at least one open water dive with an instructor to show competence as a full Junior Scuba Diver or Scuba Diver.
- The instructor should review skills including dive planning, mask clearing, regulator recovery, buoyancy control, gas sharing, SMB use and any skills which the instructor deems necessary.

Cadet Scuba Divers – Junior Open Water or Open Water 20

Cadet Scuba Divers may advance to Junior Open Water divers or Open Water 20 divers by completing the Junior Open Water or Open Water 20 diver course.

Divers wishing to upgrade must:

- Be 12-14 years old to upgrade to Junior Open Water
- Be 15 years or older to upgrade to Open Water 20
- Purchase the material and certification required to upgrade.
- Complete all the academic quizzes and exam required to upgrade.
- Complete confined water training dives 3 and 4 of the Open Water 20 program and reviewed any skills that may need refreshing.
- Complete open water dives 3 and 4 of the Open Water 20 program.

- The instructor should review skills including dive planning, mask clearing, regulator recovery, buoyancy control, gas sharing, SMB use and any skills which the instructor deems necessary.

Scuba Diver and Junior Scuba Diver – Junior Open Water or Open Water 20

Scuba Diver and Junior Scuba Divers may advance to Junior Open Water or Open Water 20 by participating in an upgrade program.

Divers wishing to upgrade must:

- Be 12-14 years old to upgrade to Junior Open Water
- Be 15 years or older to upgrade to Open Water 20
- Purchase the material and certification required to upgrade
- Complete all the academic quizzes and exam required to upgrade.
- Complete confined water training dives 3 and 4 of the Open Water 20 program and reviewed any skills that may need refreshing.
- Complete open water dives 3 and 4 of the Open Water 20 program.
- The instructor should review skills including dive planning, mask clearing, regulator recovery, buoyancy control, gas sharing, SMB use and any skills which the instructor deems necessary.

Junior Open Water Diver – Open Water 20

Junior Open Water Divers may advance to Open Water 20 by participating in an upgrade program.

Divers wishing to upgrade must:

- Be 15 years or older to upgrade to Open Water 20
- Purchase the material and certification required to upgrade
- Complete all the academic quizzes and exam required to upgrade.
- Complete at least one dive with an instructor to show competence as a full Open Water 20 diver.
- The instructor should review skills including dive planning, mask clearing, regulator recovery, buoyancy control, gas sharing, SMB use and any skills which the instructor deems necessary.
- The student does not need to complete all the quizzes and exams again since the Junior certification serves as proof that all the knowledge has been gained. The instructor may sign off all the in-water skills for the Open Water 20 once all the requirements have been met.

UPGRADE PROCEDURES FROM INDOOR DIVER

INDOOR DIVER, JUNIOR INDOOR DIVER AND CADET INDOOR DIVER – OPEN WATER 20, JUNIOR OPEN WATER OR CADET DIVER

Indoor Divers may advance to Open Water 20, Junior Open Water divers or Cadet Divers subject to the following:

- The diver is 10 -11 years – Cadet Diver
- The diver is 12-14 years – Junior Open Water
- The diver is 15 years or older – Open Water 20
- The diver purchases the material and certification for Open Water 20.
- The student completes all the academic quizzes and exam for the Open Water 20 program.
- Complete a confined water skill review session prior to any open water training.
- Minimum of 4 open water dives with at least 2 hours of underwater training.

Cadet Indoor Diver – Cadet Diver

Cadet Indoor Divers may advance to Cadet Divers subject to the following:

- The diver is 10 -11 years
- The diver purchases the material and certification for Cadet Diver.
- The student completes all the academic quizzes and exam for the Cadet Diver program.
- Complete a confined water skill review session prior to any open water training.
- Minimum of 4 open water dives with at least 2 hours of underwater training.

- Maximum depth for this training is 12m

CADET EXPLORER (IN DEVELOPMENT)

I. Purpose

For divers aged 10 to 11 years old, the Cadet Explorer course is designed to provide students with the knowledge and skills needed to safely dive with an adult dive buddy to a maximum depth of **18meters / 60 feet**.

Note: The first open water dive from each of these specialties qualifies as an Explorer dive.

Cadet Explorer dives	Minimum age	Maximum depth	Diver prerequisites	Inst. prerequisites
Core dives				
Buoyancy	10	18m/ 60 ft	Cadet Diver	Inst. Open Circuit
Navigation	10	18m/ 60 ft	Cadet Diver	Inst. Open Circuit
Elective dives				
Boat	10	18m/ 60 ft	Cadet Diver	Inst. Open Circuit
Drysuit	10	18m/ 60 ft	Cadet Diver	Drysuit Inst.
Ecological	10	18m/ 60 ft	Cadet Diver	Inst. Open Circuit
Navigation	10	18m/ 60 ft	Cadet Diver	Inst. Open Circuit
Night	10	18m/ 60 ft	Cadet Diver	Inst. Open Circuit
Photo	10	18m/ 60 ft	Cadet Diver	Inst. Open Circuit
Shark	10	18m/ 60 ft	Cadet Diver	Inst. Open Circuit
Sidemount orientation	10	18m/ 60 ft	Cadet Diver	Sidemount Inst.
Wreck	10	18m/ 60 ft	Cadet Diver	Inst. Open Circuit

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 10 years old to participate in the Junior program.
- Be a Cadet Diver, or equivalent.
- Obtain guardian permission.
 - Complete the registration process, including all mandatory paperwork.

III. Student to instructor Ratios

The maximum student to instructor ratios is:

Age: 10 to 11 Years Old

- 2 students:1 instructor

Note: Students who are 10 to 11 years old may join a group of a maximum of four divers, provided that at least two divers in the group are aged 15 years and older.

Note: Student ratios must be reduced when environmental conditions are less than ideal.

IV. Depth Limitations During Training

Training dives must not exceed the maximum depth of 18 meters/60 feet.

V. Supervision

All training must be conducted by an instructor. The instructor must be physically present and in direct supervision of all segments of training.

The instructor must be certified as a specialty instructor to teach the following Explorer dives:

- Drysuit
- Wreck
- Sidemount

A certified assistant must be a divemaster or higher.

VI. Equipment Requirements

Refer to Equipment Requirements in the RGDS.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. The course must be completed over a minimum of two days.
2. Complete the online academic presentations, quizzes and exam.
3. Complete all the skill requirements as outlined in the Playbook or in the individual specialty guides.
4. Complete all confined and open water dives as outlined in section VIII.

VIII. In Water Training

To be certified, the student must complete these requirements.

- Complete a minimum of 2.5 hours underwater in open water.
- Cadet Divers complete a minimum of 5 open water dives consisting of 2 mandatory dives (buoyancy control, navigation) and three elective dives.

Note: Cadet Explorer divers have a depth restriction of 12 meters/40 feet, therefore they may not participate in the Deep dive.

IX. Certification

For divers aged 10 to 11 years old, the Cadet Explorer certification entitles the holder to dive with an **adult dive buddy of equal or higher certification** to a maximum depth of 12m/40 feet in conditions similar or better than those experienced during training.

X. Upgrade

Refer to Upgrade Procedures for Cadet Explorer to Junior Explorer diver.

SCUBA REBOOT

I. Purpose

This program is designed to provide certified divers that have been inactive with the knowledge and skills needed to safely dive again.

II. Student Prerequisites

A student taking this course must:

- Be a certified Cadet Diver, Junior Open Water 20 Diver or Open Water 20 Diver or equivalent
- Obtain guardian permission if a minor.
- Complete the registration process, including all mandatory paperwork.

III. Student Instructor Ratios

The maximum student to instructor ratios varies depending on the age group.

Age: 10 to 11 Years Old

- 2 students:1 instructor

Note: students who are 10 to 11 years old may join a group of a maximum of four divers, provided at least two divers in the group are aged 15 years and older.

Age: 12 Years and Older

- 8 students:1 instructor – Confined Water
- 8 students:1 instructor – Open Water

IV. Depth Limitations During Training

In confined water or pool, the maximum depth must not exceed 5 meters/15 feet.

In open water, the maximum depth must not exceed 12 meters/40 feet for Cadet Divers and 18 meters/ 60 feet for Junior Open Water 20 and Open Water 20 divers.

V. Supervision

All training must be conducted by an instructor or Try Dive instructor. The instructor must be physically present and in direct supervision of all segments of training. Certified assistants may be used to aid the instructor with direct supervision while the instructor may be attending to another student.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

The student must fulfil the following requirements.

1. Complete the academic portion using **one** of the methods below before any in-water experience:
 - a. Complete the online Scuba Reboot quizzes and exam.
2. Complete the confined water skills as detailed in the Scuba Reboot Confined Water manual.

VIII. In-Water Training

To receive recognition for the Scuba Reboot course, the student must complete these requirements.

- A minimum of 1 confined water or pool dive for the confined-only experience.
- A supervised Open Water dive is optional.

IX. Certification

After successfully completing the Scuba Reboot program the diver is issued with a Scuba Reboot e-card to record their completion of their update program.

EXPLORER 30 AND JUNIOR EXPLORER (IN DEVELOPMENT)

I. Purpose

For divers aged 12 to 14 years old, the Junior Explorer course is designed to provide students with the knowledge and skills needed to safely dive with an adult dive buddy to a maximum depth of 21 meters/ 70 feet.

For divers aged 15 and above, the Explorer 30 course is designed to provide students with the knowledge and skills needed to safely dive to a maximum depth of 30 meters/ 100 feet.

Note: The first open water dive from each of these specialties qualifies as an Explorer dive.

Explorer dives	Minimum age	Maximum depth	Diver prerequisites	Inst. prerequisites
Core dives				
Buoyancy	12	18m/60ft*	OW20/JNR.OW	Inst. Open Circuit
Navigation	12	18m/60ft*	OW20/JNR.OW	Inst. Open Circuit
Deep	12	21m/70ft	OW20/JNR.OW	Deep 40 Inst.
Deep	15	30m/100ft	OW20	Deep 40 Inst.
Deep (using Trimix)	18	30m/100ft	Nitrox	Deep 40 Trimix Inst.
Elective dives				
Boat	12	18m/60ft*	OW20/JNR.OW	Inst. Open Circuit
DPV	12	18m/60ft*	OW20/JNR.OW	DPV Inst.
Drysuit	12	18m/60ft*	OW20/JNR.OW	Drysuit Inst.
Ecological	12	18m/60ft*	OW20/JNR.OW	Inst. Open Circuit
Night	12	18m/60ft*	OW20/JNR.OW	Inst. Open Circuit
Nitrox	12	18m/60ft*	OW20/JNR.OW	Nitrox Inst.
Photo	12	18m/60ft*	OW20/JNR.OW	Inst. Open Circuit
Search and Recovery	12	18m/60ft*	OW20/JNR.OW	Inst. Open Circuit
Shark	12	18m/60ft*	OW20/JNR.OW	Inst. Open Circuit
Sidemount orientation	12	18m/60ft*	OW20/JNR.OW	Sidemount Inst.
Twinset orientation	15	18m/60ft*	OW20	Twinset Inst./Deco 50 Inst.
Wreck	12	18m/60ft*	OW20/JNR.OW	Inst. Open Circuit

*Refer to the RGDS Ratio and depth rules if students under the age of 15 are enrolled.

II. Student Prerequisites

A student taking this course must:

- A student taking this course must:

- Be a minimum of 12 years old to participate in the Junior program.
- Be a minimum of 15 years old to participate in the Explorer 30 program.
- Be a Junior Open Water Diver, Open Water 20 diver or equivalent.
- Obtain guardian permission if a minor.
- Complete the registration process, including all mandatory paperwork.

III. Student to instructor Ratios

The maximum student to instructor ratios vary depending on the age group.

Age 12 to 14 years old

- 4 students: 1 instructor
- 6 students: 1 instructor plus 1 Certified Assistant

Age 15 years and older

- 8 students: 1 instructor
- 10 students: 1 instructor plus 1 Certified Assistant

Ratios for Deep Dive:

- 6 students: 1 instructor
- 8 students: 1 instructor plus 1 Certified Assistant
- 10 students: 1 instructor plus 2 Certified Assistants

The instructor may decide to reduce ratios if conditions are less than ideal.

IV. Depth Limitations During Training

- 12- to 14-year-olds must not exceed the maximum depth of 21 meters / 70 feet.
- 12- to 14-year-olds training dives may not exceed 18m/60ft with the exception of the Deep Dive which must not exceed 21m/70ft. [Elective dives done after the Deep dive may be completed up to a maximum depth of 30 meters/ 100 feet](#)
- 15 years and older must not exceed the maximum depth of 30 meters / 100 feet.

V. Supervision

All training must be conducted by an instructor. The instructor must be physically present and in direct supervision of all segments of training.

The instructor must be certified as a specialty instructor to teach the following Explorer dives:

- Deep
- Nitrox
- DPV
- Drysuit
- Wreck
- Sidemount
- Trimix

Indirect supervision is allowed for divers 15 years of age and over on the Drift and Navigation dives, but safety must be maintained.

A certified assistant must be a divemaster or higher.

VI. Equipment Requirements

Refer to Equipment Requirements in the RGDS.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. The course must be completed over a minimum of two days.
2. Complete the online academic presentations, quizzes and exam. [All online academics need to be completed prior to conducting the deep dive.](#)

3. Complete all the skill requirements as outlined in the Playbook or in the individual specialty guides.
4. Complete all confined and open water dives as outlined in section VIII.

VIII. In Water Training

To be certified, the student must complete these requirements.

- Complete a minimum of 2.5 hours underwater in open water.
- Explorer and Junior Explorer divers complete a minimum of 5 open water dives consisting of 3 mandatory dives (buoyancy control, navigation and deep) and two elective dives.

Note: Depth restriction on deep dives for Junior Explorer divers is 21 meters/70 feet.

IX. Certification

For divers aged 12 to 14 years old, the Junior Explorer certification entitles the holder to dive with an **adult dive buddy of equal or higher certification** to a maximum depth of 21m/ 70 feet in conditions similar or better than those experienced during training.

For divers aged 15 and above, the Explorer 30 certification entitles the holder to dive with a certified dive buddy to a maximum depth of 30m/ 100 feet in conditions similar or better than those experienced during training

X. Upgrade

Refer to Upgrade Procedures for Junior Explorer Diver.

UPGRADE PROCEDURES FOR CADET EXPLORER AND JUNIOR EXPLORER TO EXPLORER 30

Cadet Explorer – Junior Explorer

Cadet Divers may advance to become Junior Explorer divers when reaching 12 years of age

Divers wishing to upgrade must:

- Be 12-14 years old to upgrade to Junior Explorer Diver.
- Purchase the material and certification required to upgrade.
- Complete all the academic quizzes and exam required to upgrade.
- Complete at a minimum the required deep dive to a maximum depth of 21m/ 70 feet from the Junior Explorer program under the guidance of a RAID specialty instructor.
- The instructor should review skills including dive planning, mask clearing, regulator recovery, buoyancy control, gas sharing, SMB use and any skills which the instructor deems necessary.

Junior Explorer – Explorer 30

Junior Explorer divers may advance to become Explorer 30 divers when reaching 15 years of age

Divers wishing to upgrade must:

- Be 15 years old to upgrade to Explorer 30.
- Purchase the material and certification required to upgrade.
- Complete all the academic quizzes and exam required to upgrade.
- Complete at a minimum the required deep dive to a maximum depth of 30 meters / 70 feet from the Explorer 30 program under the guidance of a RAID specialty instructor.
- The instructor should review skills including dive planning, mask clearing, regulator recovery, buoyancy control, gas sharing, SMB use and any skills which the instructor deems necessary.

EXPLORER DIVES

I. Purpose

Explorer Dives are individual dives from the Explorer 30 course. These dives are designed for divers who would like to complete the Explorer 30 program but have a restricted amount of time to complete the course. All students should be encouraged to take the Explorer 30 course in full.

Note: The standards for the Explorer Dives course must be read in conjunction with the Explorer 30 standards.

II. Student Prerequisites

A student taking this course must:

- Meet the prerequisites of the Explorer 30 program.
- Obtain guardian permission if a minor.
- Complete the registration process, including all mandatory paperwork.

III. Student to instructor Ratios

Refer the Explorer 30 and Junior Explorer standards

IV. Depth Limitations During Training

Refer the Explorer 30 and Junior Explorer standards.

V. Supervision

Refer the Explorer 30 and Junior Explorer standards.

VI. Equipment Requirements

Refer to Equipment Requirements in the RGDS.

VII. Course Requirements

The student must fulfil the following requirements:

1. Complete the online academic presentations, quizzes and exam or complete the paper quick quiz for Explorer 30 after reading the manual. Completed quizzes must be uploaded for future dive credit.
2. Complete all the skill requirements.
3. All standards relating to Explorer 30 and Junior Explorer 30 must be adhered to.
4. Log all dives in the RAID online logbook. In the comments section it must state that this was an Explorer Dive, what dive was completed and what skills were mastered for accreditation when becoming a full Explorer 30 or Junior Explorer diver.

Only the following dives may be completed within the Explorer Dives Standards:

- Ecological
- Navigation Dive
- Night
- Deep
- Buoyancy
- Shark
- Photography

Notes: Depth restriction on deep dives for Junior Explorer and Cadet Explorer divers. Only three Explorer Dives from Explorer 30 may be completed without signing up for the entire Explorer 30 course. The instructor must deliver a complete dive briefing for each Explorer Dive. This includes skills, hazards, safety concerns, planning and conducting the dive.

VIII. In-Water Training

Refer the Explorer 30 and Junior Explorer standards.

IX. Certification

No certification is issued for these individual dives. The dives may count towards the Explorer 30 or Advanced 35 certification if the entire course is completed within 6 months of the explorer dives.

X. Upgrade to Explorer 30

An Explorer 30 or Junior Explorer certification can be issued upon completion of all the course requirements outlined in the Explorer 30 or Junior Explorer standards.

In order to verify and credit Explorer Dives to the Explorer 30, Junior Explorer or Cadet Explorer, the RAID online logbook must be completed for each dive, outlining which dive was completed and verified by the instructor. This is mandatory for this program.

ADVANCED 35

I. Purpose

This course is designed to provide students with the knowledge and skills needed to safely dive with a certified dive buddy to a maximum depth of 35 meters/115 feet.

Explorer dives	Minimum age	Maximum depth	Diver prerequisites	Inst. prerequisites
Core dives				
Buoyancy	15	15m/50ft	OW20/JNR.OW	Inst. Open Circuit
Navigation	15	20m/66ft	OW20/JNR.OW	Inst. Open Circuit
Rescue	15	20m/66ft	OW20/JNR.OW	Inst. Open Circuit
Deep 1	15	30m/100ft	OW20/JNR.OW	Deep 40 Inst.
Deep 2	15	35m/115ft	OW20	Deep 40 Inst.
Deep (using Trimix)	18	35m/115ft	Nitrox	Deep 40 Tmx Inst.

Elective dives

Boat	15	18m/60ft	OW20/JNR.OW	Inst. Open Circuit
DPV	15	18m/60ft	OW20/JNR.OW	DPV Inst.
Drysuit	15	18m/60ft	OW20/JNR.OW	Drysuit Inst.
Ecological	15	18m/60ft	OW20/JNR.OW	Inst. Open Circuit
Night	15	18m/60ft	OW20/JNR.OW	Inst. Open Circuit

Nitrox	15	18m/60ft	OW20/JNR.OW	Nitrox Inst.
Photo	15	18m/60ft	OW20/JNR.OW	Inst. Open Circuit
Search & Recovery	15	18m/60ft	OW20/JNR.OW	Inst. Open Circuit
Shark	15	18m/60ft	OW20/JNR.OW	Inst. Open Circuit
Sidemount orientation	15	18m/60ft	OW20/JNR.OW	Sidemount Inst.
Twinset orientation	15	18m/60ft	OW20	Twinset Inst./Deco 50 Inst.
Wreck	15	18m/60ft	OW20/JNR.OW	Inst. Open Circuit

The first open water dive from each of these specialties qualifies as an Explorer dive:

- Buoyancy – Core Dive
- Navigation – Core Dive
- Deep – Core Dive (refer to point IV)
- Nitrox
- Boat
- DPV
- Drysuit
- Ecological
- Night/Limited Visibility
- Search and Recovery
- Wreck
- Sidemount
- Shark
- Trimix (N.B. Can only be taught by a RAID Deco 50 instructor to students who are Nitrox certified divers.)

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 15 years old
- Be an Open Water 20 diver or equivalent.
- Obtain guardian permission if a minor.
- Complete the registration process, including all mandatory paperwork.
- Hold a minimum of 8 hours logged underwater

III. Student to instructor Ratios

- 8 students: 1 instructor
- 10 students: 1 instructor plus 1 Certified Assistant

Ratios for Deep Dive to 30m/100ft:

- 6 students: 1 instructor
- 8 students: 1 instructor plus 1 Certified Assistant

- 10 students: 1 instructor plus 2 Certified Assistants

Ratios for Dives deeper than 30m/100ft

- 4 students: 1 instructor
- 6 students: 1 instructor plus 1 Certified Assistant
- 8 students: 1 instructor plus 2 Certified Assistants

The instructor may decide to reduce ratios if conditions are less than ideal.

IV. Depth Limitations During Training

Training dive depth limits are outlined in the Advanced 35 training materials and in the Playbook. Training dives must not exceed the maximum depth of 35 meters / 115 feet.

V. Supervision

All training must be conducted by an instructor. The instructor must be physically present and in direct supervision of all segments of training

Indirect supervision is allowed on the Drift and Navigation dives, but safety must be maintained. A certified assistant must be a divemaster or higher.

VI. Equipment Requirements

Refer to Equipment Requirements in the RGDS.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. Complete the course in a minimum of three days.
2. Complete the online academic modules, quizzes, and exam. [All online academics need to be completed prior to conducting the deep dive.](#)
3. Complete all the skill requirements as outlined in the Playbook and in the individual specialty guides.
4. Complete all confined and open water dives as outlined in section VIII.

VIII. In-Water Training

To be certified, the student must complete these requirements.

- Three mandatory confined water sessions - Buoyancy, Equipment Familiarization and Rescue (no specific time requirements).
- Minimum of 4 hours underwater in open water.
- Minimum of 6 open water dives consisting of 5 mandatory dives (buoyancy control, navigation, rescue and two deep dives) and one elective dive.

IX. Certification

The Advanced 35 certification entitles the holder to dive with a certified dive buddy, to a maximum depth of 35m/ 115 feet in conditions similar or better than those experienced during training.

MASTER RESCUE

I. Purpose

This course is designed to provide students with the knowledge and skills to enable basic self-rescue and that of other divers.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 15 years old.
- Have a minimum of 12 hours logged in an open water environment.
- Certified as an Explorer 30 or Advanced 35 or equivalent.
 - Or be certified as an Open Water Diver with 4 specialties which must include Deep 40 or equivalent.
- Be certified as RAID First Aid and O2 provider or equivalent.
- Obtain guardian permission if a minor.
- Complete the registration process including all mandatory paperwork.

III. Student to Instructor Ratios

The maximum student to instructor ratios are:

- 8 students: 1 instructor
- 10 students: 1 instructor plus 1 Certified Assistant

Note: Student ratios must be reduced when environmental conditions are less than ideal.

IV. Depth Limitations During Training

Training dives must not exceed the maximum depth of 18 meters / 60 feet.

V. Supervision

All training must be conducted by an instructor. The instructor must be physically present and in direct supervision of all segments of training. During search pattern and navigation practice, the instructor may use indirect supervision. However, under no circumstances may students dive without a buddy.

A certified assistant must be a Divemaster or higher.

VI. Equipment Requirements

Refer to Equipment Requirements in the RGDS.

Students will additionally require access to specific rescue equipment such as:

- First Aid supplies
- Emergency oxygen provider kit
- Pocket mask
- Throw ropes
- Buoyancy aids

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. The course must be completed over a minimum of two days.
2. Complete the online academic presentations, quizzes and exam.
3. Complete all the skill requirements as outlined in the Playbook and the Master Rescue Diver materials.
4. Complete the following:
 - a. Stamina Requirements (300-meter swim, 15-minute tread and 10-meter underwater swim).
5. Complete all confined and open water dives as outlined in section VIII.

VIII. In-Water Training

To earn certification, the student must fulfil the following requirements.

- Complete all the required stamina exercises prior to open water training
- Adequate time in confined water to show competency of all skills.
- Complete a minimum of 4 open water dives with at least 2.5 hours of underwater training in open water.

IX. Certification

The Master Rescue certification provides divers with the knowledge and skills to enable basic self-rescue and that of other divers.

SPECIALTY PROGRAMS

RAID Specialty courses have been developed specifically to extend the student's comfort zone and knowledge by broadening their experience under the watchful eye and guidance of an instructor. And while each RAID specialty has distinct objectives, associated values, and desired outcomes, the overall objectives are to entertain, retain, and develop accomplished divers able to safely plan and execute dives with a similarly experienced and certified buddy in a variety of conditions and environments. For the student, the collective value of RAID specialties is to build on the skills and situational awareness mastered in Open Water 20 and other core programs. For the instructor, specialty programs offer a structured and proven way to retain customers for long-term learning commitments.

Each program and its student and instructor manual must be read in conjunction with this RGDS and where there is any contradiction then the most conservative standard must take precedence.

COMBINING SPECIALTY PROGRAMS

Certain specialty programs may be combined on dives if there are no more than two (2) skill sets completed on one dive. For example: Boat diver and Navigation diver could be completed on the same dives with a minimum of planning.

Specialties in which dives can be combined as outlined above include:

- Action Camera
- Boat
- Drysuit
- Navigation
- Nitrox
- Shark
- Whale Shark
- Ecological
- Wreck

When combining dives for specialty certifications remember that all confined and open water skills must be mastered, and the minimum hours for each program must be combined and achieved.

NITROX NOTE: The Open Water 20 or RAIDaptive Open Water 20 certification must be signed off before the Nitrox certification can be issued. Only the specialties listed above may be combined.

When combining specialties, it is possible to reduce the total combined number of dives required (provided you meet the combined minimum hours requirement of the 2 courses being co taught) to complete certification requirements, at the instructor's discretion. However, students must be given ample time to develop mastery of ALL skills from each program being combined and must have ample time to understand all skill objectives and values.

As a general guideline, when environmental conditions are favorable, combining two specialties requires three dives minimum, combining three specialties require four dives minimum and combining four specialties require six dives minimum. (Minimum hours for each program must be combined and achieved)

ACTION CAMERA SPECIALTY

The RAID Action Camera course is designed to broaden a diver's knowledge of action camera equipment selection, setup, footage editing, basic maintenance, and care.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 12 years old
 - Obtain guardian permission if a minor
- Be certified as a Junior Open Water 20 diver, Open Water 20 diver or equivalent.

- Complete the registration process, including all mandatory paperwork.

III. Student to instructor Ratios

Age: 12 to 14 Years Old

- 6 Students:1 instructor

Note: If there are any 12-year-olds in a class the ratio of student to instructor cannot exceed 6:1.

Age: 15 Years and Older

- 8 Students:1 instructor
- 10 Students:1 instructor plus 1 Certified Assistant

IV. Depth Limitations During Training

- Confined Water – 5m/15 ft Maximum
- Open Water Dives
 - 12-to-14-year-olds:
 - Maximum 15m/50ft, or the maximum core level certification depth rating
 - 15 years and older
 - Maximum 21m/70ft, or the maximum core level certification depth rating

V. Supervision

All training must be conducted by a RAID Action Camera instructor. The instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a divemaster or instructor.

VI. Equipment Requirements

Students must own or have access to an appropriate action camera and light.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

4. Complete the online academic modules, quizzes, and exam.
5. Complete all the skill requirements as outlined in the relevant instructor guide.
6. Complete all dives as outlined in section VIII.

VIII. In-Water Training

- Confined water dive
- 2 Open water dives minimum of 90 minutes

IX. Certification

This certification is a specialty and may be credited towards the Master Diver rating.

BOAT DIVER

I. Purpose

This course is designed to provide students with the knowledge and skills needed to dive safely and efficiently from a dive charter boat or private vessel with a similarly certified buddy within the limits of their current certifications.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 10 years old.
 - Obtain guardian permission if a minor.
- Be certified as an Open Water 20 diver or equivalent.
- Complete the registration process, including all mandatory paperwork.

III. Student to Instructor Ratios

The maximum student to instructor ratios are:

Age: 10 to 11 Years Old

- 2 students:1 instructor

Note: Students who are 10 to 11 years old may join a group of a maximum of four divers, provided that at least two divers in the group are aged 15 years and older.

Age: 12 to 14 Years Old

- 6 students:1 instructor

Note: If there are any 12-year-olds in a class the ratio of student to instructor cannot exceed 6:1. The 10 to 11-year-old standard must be adhered to.

Age: 15 Years and Older

- 8 students: 1 instructor
- 10 students: 1 instructor plus 1 certified assistant

Note: Student ratios must be reduced when environmental conditions are less than ideal.

IV. Depth Limitations During Training

- The maximum depth limit may not exceed 30m/100ft or the maximum core level certification depth rating (whichever is less).

V. Supervision

All training must be conducted by a RAID Boat instructor. The instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a divemaster or higher.

VI. Equipment Requirements

Refer to "Equipment Requirements" in the RGDS

Additional equipment pertaining to safety and vessel equipment should be organized by the instructor.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. Complete the online academic modules, quizzes, and exam
2. Complete all the skill requirements as outlined in the Boat instructor guide.
3. Complete all dives as outlined in section VIII.

VIII. In-Water Training

- Minimum of 2 open water dives with at least 1.5 hours of training.

IX. Certification

The Boat Diver certification entitles the holder to boat dive with a certified dive buddy to the maximum depth of their core level certification from different types of vessels.

* This course may be credited towards the Master Diver rating.

COMPRESSOR OPERATOR

I. Purpose

This course is designed to provide an understanding and working knowledge of high-pressure compressor units and how to safely fill cylinders.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 16 years old
- Obtain guardian permission if a minor.
- Complete the registration process, including all mandatory paperwork.

III. Student to instructor Ratios

The maximum student to instructor ratios are:

- 8 students: 1 instructor

IV. Depth Limitations During Training

There is no in-water training conducted in this course.

V. Supervision

All training must be conducted by a RAID Compressor Operator instructor. The instructor must be physically present and in direct supervision of all segments of training.

VI. Equipment Requirements

All required tools and equipment for proper use and maintenance of the specific compressor being utilized for training.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements:

1. Complete the online academic modules, quizzes, and exam
2. Complete all the skill requirements as outlined in the Compressor Operator instructor Guide.

VIII. In-Water Training

- There is no in-water training conducted in this course

IX. Certification

This certification enables the user to participate in the use and day-to-day maintenance of air compressors as well as the filling of scuba air cylinders properly and safely.

NOTE: Always refer to the manufacturer compressor manual, and always comply with local laws, regulations and guidelines.

DECO 40 DIVER

The standards for this program are also present in the technical standards since it is a truly transitional program that is suitable as a steppingstone for divers wanting to begin technical diving but is also intended to be an apex program for recreational divers.

I. Purpose

This course is designed to safely train students to:

- Dive to a maximum depth of 40 meters/130 feet.
- Use air, nitrox, oxygen and trimix (where applicable)
 - The END/EAD for trimix must not exceed 30 meters/100 feet.
- Complete a maximum of 10 minutes decompression while using a bailout cylinder for safety.
 - Bailout must be breathable at the maximum dive depth.
 - Bailout must have sufficient volume to complete a safe ascent including the required decompression plus sufficient reserve to share gas with a buddy for the full 10-minute stop.
- Use a higher oxygen content nitrox (up to 100% oxygen) in a separate single (one only) stage cylinder to extend no decompression dive times by using multi-level dive profile and gas switch dive procedures.
 - Bottom or back gas and bailout gas may have a maximum PO₂ of 1.4 at depth.
 - The multi-level extended no stop gas must have a maximum PO₂ of 1.4.

Note: The Deco 40 Course is not an optimized decompression course but is intended as a tech-lite program for recreational divers who wish to conduct deep dives using a superior risk management strategy. It may also be considered a good first step in a structured technical diving education.

II. Student Prerequisites

- Be a minimum 18 years old.
- Have been certified diver for at least 3 months.
- Be certified as a RAID Explorer 30 or RAID Advanced 35 diver or equivalent.
- Be certified as a RAID Nitrox and RAID Deep 40 diver or equivalent.
- Have a minimum of 20 logged hours underwater or 40 dives using open circuit.
- Be able to complete the required swim and stamina tests.
- Complete the registration process, including all mandatory paperwork.

Note: Students participating in the program using sidemount configuration must be certified as RAID Sidemount Divers or equivalent.

III. Student to Instructor Ratios

Confined Water

A maximum of 6 students: 1 instructor

Open Water

A maximum of 4 students: 1 instructor

IV. Depth Limitations During Training

Training dive depth limits of individual dives are outlined in the Deco 40 training materials. Overall, training dives must not exceed the maximum depth 6 meters / 20 feet in confined water and 40 meters / 130 feet in open water. At least two dives should be deeper than 35 meters / 115 feet.

V. Supervision

A certified RAID Deco 40 instructor is defined as an in-status RAID Deco 40 (open circuit) instructor or higher.

All training must be conducted by an instructor. The instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a RAID Divemaster or higher who is certified as a Deco 40 diver or higher.

Note: instructors who are certified as OC Deco 40 and CCR Deco 40 instructors or higher, may use the rebreather they are certified to teach while conducting Deco 40 training dives where skills pertinent to open circuit diving will not be demonstrated. This standard ONLY applies to open water dives.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS for single tank, sidemount or twinset configurations.

VII. Course Requirements

To earn certification, the student must fulfill the following requirements:

1. Complete the online academic modules, quizzes, and exam.
2. Complete all the skill requirements as outlined in the instructor Guidelines for Confined Water Training and Open Water Training.
3. Before commencing confined-water training, students must pass the following:
4. In deep water, while wearing full equipment, swim 300m / 300 yards underwater continuously, without stopping while recording a gas consumption calculation (SAC Rate).
5. In deep water while wearing full equipment, tow an inert diver who is also fully equipped with full technical scuba equipment, for 150m / 150 yards on the surface.

VIII. In-Water Training

Each student must complete these requirements.

- Minimum of 1 confined water dive with no minimum time requirement
- Minimum of 4 open water dives with at least 3 hours of underwater training

IX. Certification

The Deco 40 certification entitles the holder to dive with a certified dive buddy to a maximum depth of 40m/ 130 feet in conditions similar or better than those experienced during training using air, nitrox or trimix with a maximum decompression schedule of 10 minutes.

DEEP 40 AND DEEP 40 TRIMIX DIVER

I. Purpose

The Deep 40 course is a no-decompression recreational-level course designed to provide students with the knowledge and skills needed to safely dive with a certified dive buddy to a maximum depth of 40 meters/ 130 feet.

There are two certifications offered within the Deep 40 program:

- Deep 40 using air or nitrox (with a maximum PO₂ of 1.4 bar).
- Deep 40 Trimix using trimix (Helium, Oxygen & Nitrogen).
 - Limitations:
 - Maximum oxygen partial pressure (PO₂) must not exceed 1.4 ATM
 - Maximum END / EAD must not exceed 30 meters / 100 feet
 - Must be 18 years old

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 15 years old.
 - Obtain guardian permission if a minor.
- Be certified as a RAID OPEN WATER 20 diver or equivalent.
- Be certified as RAID Nitrox Diver or equivalent when participating in Deep 40 Trimix course option.
- Have a minimum of 8 hours logged underwater in an open water environment.
- Complete the registration process, including all mandatory paperwork.

III. Student to Instructor Ratios

The maximum student to instructor ratios are:

Ratios for Dives to 30m/100ft:

- 6 students: 1 instructor
- 8 students: 1 instructor plus 1 Certified Assistant

Ratios for Dives deeper than 30m/100ft

- 4 students: 1 instructor
- 6 students: 1 instructor plus 1 Certified Assistant
- 8 students: 1 instructor plus 2 Certified Assistants

The instructor may decide to reduce ratios if conditions are less than ideal.

IV. Depth Limitations During Training

- Dive 1 – Minimum depth of 24m/80ft – Maximum depth of 30m/100ft
- Dive 2 – Minimum depth of 27m/90ft – Maximum depth of 35m/115ft
- Dive 3 – Minimum depth of 30m/100ft – Maximum depth of 40m/130ft
- Dive 4 – Minimum depth of 30m/100ft – Maximum depth of 40m/130ft

V. Supervision

All training must be conducted by a Deep 40 or Deep 40 Trimix instructor. The instructor must be physically present and in direct supervision of all segments of training.

The Deep 40 (air or nitrox) may be conducted by a Deep 40 or Deep 40 Trimix instructor.

The Deep 40 Trimix must be conducted by a RAID Deco 50 instructor.

VI. Equipment Requirements

Refer to Equipment Requirements in the RGDS and the Deep 40 instructor Guide.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

- The course must be completed over a minimum of two days.
- Complete a trimix workshop including gas selection, analyzing and proper labeling when completing the Deep 40 Trimix course.
- Complete the online academic modules, quizzes, and exam
- Complete all the skill requirements as outlined in the Deep 40 instructor guide.
- Complete all dives as outlined in section VIII.

Note: For a Deep 40 Trimix certification, a minimum of one of the open water training dives must be completed using Trimix.

VIII. In-Water Training

- If certified as an Open Water 20 Diver or equivalent:
 - Complete a minimum of 2 hours underwater in open water.
 - Complete a minimum of 4 open water dives.
- If certified as an Explorer 30 Diver or equivalent:
 - One dive may be credited from Explorer 30. This is at the discretion of the instructor and only if the student certified within the last 12 months.
 - Complete a minimum of 1.5 hours underwater in open water.
 - Complete a minimum of 3 open water dives.
- If certified as an Advanced 35 Diver or equivalent:
 - Two dives may be credited from Advanced 35. This is at the discretion of the instructor and only if the student certified within the last 12 months
 - Complete a minimum of 1 hour underwater in open water.

- Complete a minimum of 2 open water dives.

IX. Certification

The Deep 40 certification entitles the holder to dive with a certified dive buddy to a maximum depth of 40m/ 130 feet in conditions similar or better than those experienced during training. Take note: that the instructor must select the correct card from the drop-down menu at certification selecting Deep 40 Trimix if the student has completed the trimix dives. This course may credit towards the Master Diver rating.

DPV AND ADVANCED DPV

I. Purpose and Certification Limits

This course has a dual certification, either Basic Diver Propulsion Vehicle or Advanced Diver Propulsion Vehicle. The courses are designed to safely train students to:

Basic Diver Propulsion Vehicle

- Set up, dive and care for a Diver Propulsion Vehicle, with a certified buddy, using any configuration.
- Use primarily natural navigation using a DPV.
- Dive to a maximum depth equal to their previously certified depth limit.
- Use the gases and gas limitations equal to their previously certified limits.

Advanced Diver Propulsion Vehicle

Set up, dive and care for a Diver Propulsion Vehicle, with a similarly certified buddy (as above), using a single cylinder, twin set, or sidemount setup with a long hose.

- Perform advanced navigation using a DPV.
- Perform advanced gas sharing while using a DPV.
- Dive to a maximum depth equal to their previously certified depth limit (see point IV).
- Use the gases and gas limitations equal to their previously certified limits.

II. Student Prerequisites

- Be certified at minimum as a RAID Open Water 20 Diver or equivalent course.
- Be a minimum of 12 years old.
- Complete the registration process, including all mandatory paperwork.

A student interested in taking the Advanced Diver Propulsion Vehicle course must also:

- Have logged at least 20 dives.
- Have been trained to use a longhose regulator configuration.
- Have completed the RAID Navigation specialty

NOTE: There is no additional requirement of a minimum number of hours logged underwater for a certified diver meeting the above prerequisites.

III. Student to Instructor Ratios

Use your discretion as a RAID instructor to determine whether the conditions warrant reducing the maximum ratio as stated below. Always consider in-water visibility, group control and student safety.

Confined and Open Water training:

Maximum ratio: 3 students :1 instructor

IV. Depth limitations during training

For training dives in confined water like conditions, the maximum depth must not exceed 10 meters/33 feet.

For Open Water training dives, the maximum depth must not exceed:

- Open Water Dive 1: 20 meters/66 feet.

- Open Water Dive 2: 25 meters/80 feet, or a maximum depth not exceeding their maximum previously certified depth limit, whichever is less.
- Open Water Dive 3: 30 meters/100 feet, or a maximum depth not exceeding their maximum previously certified depth limit, whichever is less.

V. Supervision

All training must be conducted by a Diver Propulsion Vehicle Specialty instructor. The instructor must be physically present and in direct supervision of all segments of training.

An instructor Trainer for this Specialty course must be

- certified as a RAID Diver Propulsion Vehicle Specialty instructor.
- must have certified a minimum of 10 students in this Specialty
- must have been certified by an approved Examiner designated by the local RAID RRO or RAID HQ.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

Additional equipment for this specialty:

1. DPV.
2. DSMB (Surface Marker Buoy).
3. Compass.
4. Slate or Wetnotes

VIII. In-Water Training

For the instructor to be able to incorporate all the skills required in this course, the dive times specified are the minimum allowable:

Confined Water: 1 hour (60 minutes)

Open Water: 2.25 hours (135 minutes)

Minimum Dives: 1 confined dive and 3 in open water

NOTE: The Confined Water dive may be conducted in a pool if local conditions make that necessary.

IX. Certification

To earn certification, the student must fulfill the following minimum requirements.

- Complete the course in a minimum of two days.
- All quizzes and exams are completed and passed.
- All confined and open water skills are completed and signed off through the RAID website by both the instructor and student.
- The student has logged all their training dives on-line in their personal “e-logbook”.
- The RAID Dive Centre has confirmed certification on-line through the RAID website and uploaded any relevant documentation.

DRYSUIT DIVER

1. Purpose

The Drysuit course is designed to train divers how to safely and efficiently dive using a drysuit within the limits of their core level certifications.

Note: These standards are written for both the generic Drysuit Diver program and also specific programs such as the SANTI Drysuit Diver program.

II. Student Prerequisites

A student taking this course must:

- Be certified as an Open Water 20 diver or equivalent. (Students may combine OW20 with a drysuit course.)
- Be a minimum of 10 years old.
 - Obtain guardian permission if a minor.
- Complete the registration process, including all mandatory paperwork.

III. Student to Instructor Ratios

The maximum student to instructor ratios are:

Age: 10 to 11 Years Old

- 2 students:1 instructor

Note: Students who are 10 to 11 years old may join a group of a maximum of four divers, provided that at least two divers in the group are aged 15 years and older.

Age: 12 Years and Older

- 8 students:1 instructor
- 10 students:1 instructor plus 1 Certified Assistant.

IV. Depth Limitations During Training

- Confined Water – 5m/15 ft maximum depth
- Open Water Dive 1 – Minimum 5m/15ft, Maximum 12m/40ft
- Open Water Dive 2 – Minimum 5m/15ft, Maximum 18m/60ft

Note: For students 10 to 11 years old the maximum depth is 12m/40 feet.

V. Supervision

All training must be conducted by a RAID Drysuit instructor. The instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a divemaster or higher who is also certified as a Drysuit Diver.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

Additional equipment required:

- Drysuit with proper undergarments
- Appropriate Inflation system

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. Complete the online academic modules, quizzes, and exam.
2. Complete all the skill requirements as outlined in the Drysuit instructor guide.
3. Complete all confined and open water dives as outlined in section VIII.

VIII. In-Water Training

- Minimum of 1 confined water sessions with no minimum time requirement.
- Minimum of 2 Open Water Dives requiring at least 2 hours underwater training.

IX. Certification

The Drysuit Specialty is designed to train divers how to dive safely and efficiently use a drysuit within the limits of their core level certifications.

* This course may be credited towards the Master Diver rating.

ECOLOGICAL DIVER AND NON-DIVER

I. Purpose

The Ecological Diver and Non-Diver courses are designed to increase the students' knowledge of the environment as well as current threats to the ecosystem.

II. Student Prerequisites

A student taking this course must:

- Be certified as an Open Water 20 or equivalent for the Ecological Diver Certification
 - No prerequisite diver certification is needed for the Ecological Non-Diver program
- Be a minimum of 10 years old
- Register and complete all required paperwork.
- Parent/Guardian Consent if Minor

III. Student to Instructor Ratios

The maximum student to instructor ratios are:

Note: There are no student to instructor Ratios for the Ecological Non-Diver Program.

Age: 10 to 11 Years Old

- 2 students:1 instructor

Note: Students who are 10 to 11 years old may join a group of a maximum of four divers, provided that at least two divers in the group are aged 15 years and older.

Age: 12 to 14 Years Old

- 6 students:1 instructor

Note: If there are any 12-year-olds in a class the ratio of student to instructor cannot exceed 6:1. The 10 to 11-year-old standard must be adhered to.

Age: 15 Years and Older

- 8 students: 1 instructor
- 10 students: 1 instructor plus 1 certified assistant

Note: Student ratios must be reduced when environmental conditions are less than ideal.

IV. Depth Limitations During Training

- 10-to-11-year-olds:
 - Maximum 12m/ 40ft, or the maximum core level certification depth rating
- 12-to-14-year-olds:
 - Maximum 21m/70ft, or the maximum core level certification depth rating
- 15 years and older
 - Maximum 25m/85ft, or the maximum core level certification depth rating

V. Supervision

- A current in-status RAID Ecological Diver instructor must be present and in control of all training activities. This means direct supervision on all dives.
- A certified assistant for this course is a certified RAID Divemaster or higher that holds the Ecological Diver or instructor certification.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

Additional equipment required:

- Slate
- Debris Bag for trash removal

VII. Course Requirements

1. Complete the online academic modules, quizzes, and exam
2. Complete all the skill requirements as outlined in the relevant instructor guide.
3. Complete all dives as outlined in section VIII.

VIII. In-Water Training

- Minimum of 2 open water dives with at least 1.5 hours of underwater training

IX. Certification

This certification provides the diver with the skills and knowledge to properly conduct underwater cleanups and document species or threats observed.

The non-diver certification provides the knowledge and skills necessary to organize and conduct shore-based cleanups.

* This course may be credited towards the Master Diver rating.

EQUIPMENT SPECIALTY

The RAID Equipment diver course is designed to broaden a diver’s knowledge of diving equipment selection, adjustment, minor repairs, basic maintenance, and care.

Note: The Equipment Specialty course is NOT an authorized technician course.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 12 years old
 - Obtain guardian permission, if a minor
- Be certified as an Open Water 20 diver or equivalent.
- Complete the registration process, including all mandatory paperwork.

III. Student to instructor Ratios

Age: 12 to 14 Years Old

- 6 Students:1 instructor

Note: If there are any 12-year-olds in a class the ratio of student to instructor cannot exceed 6:1.

Age: 15 Years and Older

- 8 Students:1 instructor
- 10 Students:1 instructor plus 1 Certified Assistant

IV. Depth Limitations During Training

- Optional Confined Water – 5m/15 ft Maximum
 - Optional Open Water Dive
 - 12-to-14-year-olds:
 - Maximum 15m/50ft, or the maximum core level certification depth rating
 - 15 years and older
 - Maximum 21m/70ft, or the maximum core level certification depth rating

V. Supervision

All training must be conducted by a RAID Equipment instructor. The instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a divemaster or higher who is also certified as an Equipment specialty diver.

VI. Equipment Requirements

Gear and tools used for equipment workshop organized by instructor

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

7. Complete the online academic modules, quizzes, and exam.
8. Complete all the skill requirements as outlined in the relevant instructor guide.
9. Complete all dives as outlined in section VIII. These are optional.

VIII. In-Water Training

- Confined water dive – Optional
- Open water dive - Optional

IX. Certification

This certification provides the diver with knowledge of diving equipment selection, adjustment, minor repairs, basic maintenance and care.

* This course may be credited towards the Master Diver rating.

FIRST AID

I. Purpose

The RAID First Aid specialty course is designed to give divers and non-divers the skills and knowledge to provide basic first aid in a range of emergency situations. It may be taught as a stand-alone program or as part of the RAID Master Rescue diver program. This is **NOT** a replacement for any required workplace first aid programs.

II. Student Prerequisites

- 10 years of age or older
- Register and complete all required paperwork
- Obtain guardian permission if a minor
- Must be able to physically carry out all exercises

III. Student to instructor Ratios

- Maximum of 12 Students: 1 instructor

IV. Depth Limitations During Training

- There are no in-water training sessions specific to this course.

V. Supervision

- A current in-status RAID First Aid Specialty instructor must be present and in direct control of all training activities.
- A certified assistant for this course is a current in-status RAID Divemaster or higher that holds a RAID First Aid user or instructor certification.

VI. Equipment Requirements

- Manikin (one manikin per 4 students maximum)
 - Sanitizing/disinfecting must be carried out between uses.
- AED Trainer

- Triangular bandages, sterile dressings, conforming bandages and latex free gloves
- Tourniquets and Homeostatic dressings (recommended)
- Face shields and pocket masks (highly recommended)
- Blankets, sleeping bags or foil blankets (recommended)

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

- Complete all academic presentations, quizzes and exam
- Complete the practical skill development session and scenarios

VIII. In-Water Training

- There are no in-water training dives specific to this course.

IX. Certification

- The First Aid Certification gives the diver or non-diver the ability to provide basic first aid to a range of emergency situations. This is **NOT** a replacement for any required workplace first aid certifications.

*This course may provide one specialty credit towards the Master Diver rating.

GAS BLENDER

I. Purpose

The RAID Gas Blender course is designed to provide students with the knowledge and skills to safely and efficiently blend diving gases.

II. Student Prerequisites

- Be a minimum of 18 years old
- Obtain guardian permission if a minor.
- Complete the registration process, including all mandatory paperwork.

III. Student to instructor Ratios

The maximum student to instructor ratios are:

- Limited to the practical ability to teach students in the facility provided as well as having enough equipment for each student to get the required hands-on practical training needed for certification.

IV. Depth Limitations During Training

- There is no in-water training conducted in this course.

V. Supervision

All training must be conducted by a RAID Gas blender instructor. The instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a divemaster or higher who is also certified as a Blender.

VI. Equipment Requirements

Refer to "Equipment Requirements" in the RGDS.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. Complete the online academic modules, quizzes, and exam
2. Complete all the skill requirements as outlined in the relevant instructor guide.

VIII. In-Water Training

- There is no in-water training conducted in this course

IX. Certification

This certification enables divers to safely and efficiently blend diving gases.

ICE DIVER

I. Purpose

The RAID Ice Diver course is designed to familiarize divers with the skills, knowledge and proper procedures to safely and efficiently plan and conduct ice dives (under a solid ice overhead), with a certified dive buddy and with the necessary equipment and support teams.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 18 years old
- Be certified as a drysuit diver or equivalent.
- Be certified as an Explorer diver or equivalent.

III. Student to instructor Ratios

The maximum student to instructor ratios are:

- 2 Students: 1 instructor

Note: This ratio CANNOT be increased by using a certified assistant

IV. Depth Limitations During Training

- Confined Water – There is no required confined water session in this course
- Open Water Dive 1 – 5m/15ft Minimum, 10m/33ft Maximum with direct ascent available at all times. **NO DIVING UNDER ICE OR COVER**
- Open Water Dive 2 – 5m/15ft Minimum, 10m/33ft Maximum with maximum distance to exit 20m/66ft. **THIS DIVE TAKES PLACE UNDER ICE.**
- Open Water Dive 3 – 5m/15ft Minimum, 15m/50ft Maximum with a maximum distance to the exit 30m/100ft. **THIS DIVE TAKES PLACE UNDER ICE.**
- Open Water Dive 4 – 5m/15ft minimum, 15m/50ft Maximum with a maximum distance to the exit 40m/130ft. **THIS DIVE TAKES PLACE UNDER ICE.**

V. Supervision

All training must be conducted by a RAID Ice instructor. The instructor must be physically present and in direct supervision of all segments of training.

Dive 1 is the only dive that may be conducted with the instructor in control from the surface using indirect supervision to ensure proper use of rope communication with tender and safety teams.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

Additional equipment required:

- Regulators must be cold water approved by manufacturer.
- Redundant air supply (twinset, pony bottle, sidemount, single tank with double valve).
- Drysuit is required

- Proper warm clothing for the surface.
- Equipment to prepare hole (chainsaw, axe, ice tongs, snow shovel, ice drill etc.).
- Safety Equipment including buddy lines, safety rope and tender rope.
- Harness with 2 snap hooks (not required if divers BCD has 2 firmly sewn metal d-rings).
- 2 ice screws per tender/safety rope.
- All required first aid, emergency oxygen and safety equipment.
- Warm room or shelter near dive site.
- Underlay to prevent freezing of dive equipment (tarpaulin, rubber mat, etc.).

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. Complete the online academic modules, quizzes, and exam
2. Complete all the skill requirements as outlined in the relevant instructor guide.
3. Complete all dives as outlined in section VIII.

VIII. In-Water Training

- There is no required confined water session in this course.
- Minimum of 4 open water dives with at least 1.5 hours of underwater training
- Each Student must complete all dives as well as participate in each role including tender 1, tender 2 and safety diver at least once

IX. Certification

This certification enables divers to safely and efficiently plan, organize and conduct ice dives as part of a team, with a certified dive buddy, to a maximum limit of 40m/130ft from the entry/exit point (linear penetration).

Suggested maximum depth under ice is 15 meters/ 50 ft.

* This course may be credited towards the Master Diver rating.

MASTER DIVER

I. Purpose

This accreditation is designed to acknowledge the advanced skills, knowledge, dedication and commitment demonstrated by a diver aspiring to the Master diver rating.

II. Student prerequisites

- Complete the registration process including all mandatory paperwork.
- [Be certified as a RAID Master Rescue diver or equivalent.](#)
- Be certified in 5 RAID specialties of which only 1 can be a non-diving (dry land) specialty.
- For diver's crossing over to RAID, specialties certified by approved agencies may be accepted as a prerequisite for Master diver upon approval from RAID HQ or the local RRO.
- Minimum 50 hours logged underwater.

Junior Master Diver (10 to 14 years old)

- Be a minimum of 10 to 14 years old to participate in the Junior Master Diver program.
- Be certified as a Junior Explorer Diver or equivalent.

III. Student to instructor ratios

As per the relevant course standards

IV. Depth limitations during training

As per the relevant course standards

V. Supervision

Specialties must be taught by a RAID instructor with the appropriate certification.

Once the diver has met the prerequisites for Master Diver or Junior Master Diver rating, any RAID OW instructor or higher may sign-off on student rating for Master Diver.

VI. Equipment Requirements

- Refer to Equipment Requirements in the RGDS.
- Refer to the specific course standards.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. Complete the online academic modules, quizzes, and exam VIII. In-Water Training
2. There is no requirement outside those of the appropriate specialties for in-water training.

IX. Certification

This certification is a recognition level for a diver that has reached a milestone in their scuba training

NAVIGATION

I. Purpose

The RAID Navigation diver course is designed to provide students with the knowledge and skills to safely and efficiently conduct navigation dives with a certified dive buddy.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 10 years old
 - Be certified as an Open Water 20 diver or equivalent.
- Obtain guardian permission if a minor.
- Complete the registration process, including all mandatory paperwork.

III. Student to instructor Ratios

The maximum student to instructor ratios vary depending on the age group.

Age: 10 to 11 Years Old

- 2 Students:1 instructor

Note: Students who are 10 to 11 years old may join a group of a maximum of four divers, provided that at least two divers in the group are aged 15 years and older.

Age: 12 to 14 Years Old

- 6 Students:1 instructor

Note: If there are any 12-year-olds in a class the ratio of student to instructor cannot exceed 6:1. The 10 to 11-year-old standard must be adhered to.

Age: 15 Years and Older

- 8 Students:1 instructor
- 10 Students:1 instructor plus 1 Certified Assistant

Note: For students who are 10 to 11 years old, the maximum depth must not exceed 12 meters/40 feet on any dive.

IV. Depth Limitations During Training

Optional confined water dive – 5m/15ft

For training dives 1 and 2, the maximum depth must not exceed 20 meters/40 feet.

V. Supervision

All training must be conducted by a RAID Navigation instructor, who must be physically present and in direct supervision of all segments of training.

A certified assistant must be a divemaster or higher who is also certified as a Navigation diver

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

Additional equipment required:

- Underwater Compass
- Slate and Pencil

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. Complete the online academic modules, quizzes, and exam
2. Complete all the skill requirements as outlined in the relevant instructor guide.
3. Complete all dives as outlined in section VIII.

VIII. In-Water Training

- Confined Water Dive – Optional
- A minimum of 2 open water dives with at least 1.5 hours underwater training.

IX: Certification

This certification enables divers to safely and efficiently conduct navigation dives with a similarly certified buddy within the limits of their core level certifications.

* This course may be credited towards the Master Diver rating.

NIGHT AND LIMITED VISIBILITY

I. Purpose

The RAID Night and Limited Visibility diver course is designed to provide students with the knowledge and skills to safely and efficiently conduct night and low visibility dives with a certified dive buddy.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 10 years old
 - Be certified as an Open Water 20 diver or equivalent.
 - Have a minimum of 2 hours logged underwater in an open water environment.
- Obtain guardian permission if a minor.
- Complete the registration process, including all mandatory paperwork.

III. Student to instructor Ratios

The maximum student to instructor ratios vary according to the age of Students.

Age: 10 to 11 Years Old

- 2 students:1 instructor

Note: Students who are 10 to 11 years old may join a group of a maximum of four divers, provided that at least two divers in the group are aged 15 years and older.

Age: 12 to 14 Years Old

- 6 students:1 instructor

Note: If there are any 12-year-olds in a class the ratio of student to instructor cannot exceed 6:1. The 10 to 11-year-old standard must be adhered to.

Age: 15 Years and Older

- 8 students:1 instructor
- 10 students:1 instructor plus 1 Certified Assistant

IV. Depth Limitations During Training

- Optional Confined Water Dive – 5m/15ft Maximum
- Open Water Dive 1 – 5m/15ft Minimum, 15m/49ft Maximum
- Open Water Dive 2 – 5m/15ft Minimum, 20m/66ft Maximum

Note: For students who are 10 to 11 years old, the maximum depth must not exceed 12 meters/40 feet on any dive

V. Supervision

All training must be conducted by a RAID Night and Limited Visibility instructor. The instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a divemaster or higher who is also certified as a Night and Limited Visibility diver.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

Additional equipment required:

- Primary Light
- Secondary (Backup) light
- Light Stick
- Whistle
- Compass
- Slate and Pencil

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. Complete the online academic modules, quizzes, and exam
2. Complete all the skill requirements as outlined in the relevant instructor guide.
3. Complete all dives as outlined in section VIII.

VIII. In-Water Training

- Confined Water Session – Optional
- Minimum of 2 open water dives with at least 60 minutes of underwater training.

IX. Certification

This certification enables divers to conduct night and limited visibility dives safely and efficiently with a similarly certified buddy within the limits of their core level certifications.

* This course may be credited towards the Master Diver rating.

NITROX (ISO-11107:2009)

I. Purpose

This course is designed to provide students with the knowledge and skills needed to safely use Enriched Air Nitrox, to the maximum depth of their highest certification, with a certified dive buddy.

Training and certification limits:

- Use nitrox breathing gas with an oxygen percentage ranging from 22 percent to 40 percent.
- Plan dives within modified No Decompression units using a programable personal nitrox dive computer or by using dive planning software.
- Describe the hazards of handling high-oxygen gas mixtures, and the basic requirement for cleaning scuba gear for high-oxygen environments (i.e. Mixes up to 40% oxygen)
- Calculate the Maximum Operating Depth of an analyzed nitrox breathing gas at a target depth between 6 meters/20 feet and 40 meters/130 feet and a partial pressure of oxygen between 1.0 and 1.6 bar.
- Understand the relationship between an oxygen partial pressure and NOAA time limits to determine oxygen CNS loading.
- List the signs and symptoms of Central Nervous System oxygen toxicity
- Understand how to calibrate a simple oxygen analyzer and use it to measure O2 percentage in a cylinder of diving gas. To familiarize themselves with the standards procedures for gas analysis, students should use the Nitrox V-Analyzer powered by RAID and available from their favorite app store. instructor must have and show students an actual working oxygen analyzer and demonstrate its use.
- Demonstrate how to properly label an analyzed diving cylinder.

Note: the nitrox diver specialty course is not a decompression course.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 12 years old
 - Be certified as an Open Water 20 diver or equivalent.
 - May be included as part of any RAID program including Open Water 20, Junior Open Water Diver, Scuba Diver and Junior Scuba Diver.
- Obtain guardian permission if a minor.
- Complete the registration process, including all mandatory paperwork.
- [Have access to an oxygen analyzer.](#)

III. Student to Instructor Ratios

The maximum student to instructor ratios are:

Classroom or remote classroom

- 8 students: 1 instructor

Optional open water dives

Age: 12 to 14 Years Old

- 6 students:1 instructor

Note: If there are any 12-year-olds in a class the ratio of student to instructor cannot exceed 6:1.

Age: 15 Years and Older

- 8 students:1 instructor
- 10 students:1 instructor plus 1 Certified Assistant

IV. Depth Limitations During Training

When optional training dives are planned, depth must not exceed the maximum core level certification depth rating or a maximum depth of 40 meters whichever is shallower.

V. Supervision

All training must be conducted by a RAID Nitrox instructor. The instructor must be physically present and in direct supervision of all segments of training.

Note: This course may be delivered as a REMOTE-Teaching course with the instructor conducting the class using an appropriate audio-visual platform.

VI. Equipment Requirements

Refer to Equipment Requirements in this RGDS.

To familiarize themselves with the standards procedures for gas analysis, students may use the Nitrox Virtual Analyzer App - Powered by RAID, in lieu of an actual nitrox analyzer.

Note: An instructor may not use the Nitrox Virtual Analyzer to demonstrate analyzing gas, they must use a real analyzer and cylinder.

VII. Course Requirements

To earn certification, the student must fulfill the following requirements:

1. Complete the online academic modules, quizzes, and exam.
2. Complete all the skill requirements as outlined in the instructor guide.
3. Demonstrate familiarity analyzing and labelling cylinders filled with nitrox.
4. Must understand how to complete a nitrox fill log.
5. May complete the optional dives as outlined in section VIII.

VIII. In-Water Training

- Confined Water Session – Optional
- Minimum of 2 *optional* open water dives with at least 1 hours of underwater training.

IX. Certification

This certification enables divers to safely and efficiently conduct enriched air nitrox dives with a similarly certified buddy within the limits of their core level certifications. Nitrox Diver may be included as part of any RAID program **including Open Water 20, , Scuba Diver and**

* This course may be credited towards the Master Diver rating.

OCEAN REEF FULL FACE MASK

I. Purpose

This course is designed to provide students with the knowledge and skills needed to safely dive using an Ocean Reef full-face mask in open water conditions and environments and depths in keeping with their training, experience, and the equipment manufacturer's specifications.

Note: The Ocean Reef course is not a Decompression Course and does not cover skills or equipment knowledge to incorporate a Gas-Switch Block.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 15 years old
- Be certified as an Open Water 20 diver or equivalent.
- Obtain guardian permission if a minor.
- Complete the registration process, including all mandatory paperwork.

III. Student to Instructor Ratios

The maximum student to instructor ratios are:

- 8 Students:1 instructor
- 10 Students:1 instructor plus 1 Certified Assistant

IV. Depth Limitations During Training

The maximum training depth for this course is:

- Confined water training dives may not exceed a maximum depth must not exceed 5 meters/16 feet
- Open water training dives may not exceed a maximum depth must not exceed 18 meters/60 feet.

V. Supervision

All training must be conducted by a RAID Ocean Reef full face mask instructor. The instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a divemaster or higher who is also certified as an Ocean Reef full face mask diver.

VI. Equipment Requirements

Refer to Equipment Requirements in this RGDS.

Additional equipment for this specialty:

- Ocean Reef IDM
- 2x Quick disconnect sets (Male/Female)

VII. Course Requirements

To earn certification, the student must fulfill the following requirements:

1. Complete the online academic modules, quizzes, and exam.
2. Complete all the skill requirements as outlined in the relevant instructor guide.
3. Show familiarity with pre-dive and post-dive care of an OCEAN REEF full-face mask.
4. Complete all dives as outlined in section VIII.

VIII. In-Water Training

- The minimum in water time is: 3.5 hours if ALL skills are mastered
- It is recommended to divide this time as follows:
- Confined water: (a minimum of 1.5 hours)
- Open water: (a minimum of 2 hours)

IX. Certification

This certification enables divers to safely and efficiently conduct dives using an Ocean Reef full face mask with a similarly certified buddy within the limits of their core level certifications.

* This course may be credited towards the Master Diver rating.

OXYGEN ADMINISTRATION

I. Purpose

The Oxygen Administration specialty course is designed to give divers and non-divers the knowledge and skills to properly assemble and use emergency oxygen when required in a first aid situation. It can be taught as a stand-alone program or as part of the RAID Master Rescue program.

II. Student Prerequisites

- At least 10 years of age
- First Aid/CPR certification (Can be taken simultaneously with this course)
- Register and complete all required paperwork
- Parent/Guardian consent in a minor
- Must be able to physically carry out all exercises

III. Student to instructor Ratios

- 12 Students: 1 instructor

IV. Depth Limitations During Training

- There are no in-water training requirements for this specific course

V. Supervision

- A RAID Oxygen Administration Specialty instructor must be present and in direct control of all training activities.
- A certified assistant for this course is a current in-status RAID Divemaster or higher with an Oxygen Administration user or instructor certification.

VI. Equipment Requirements

- Manikin (1 manikin per 4 students maximum)
- Oxygen Cylinder (proper for local area)
- Oxygen Regulator to suit valve connection (on demand and continuous flow)
- Pocket Mask (oxygen inlet port preferred)
- Non-rebreather mask
- Bag valve mask
- Demand regulator and suitable mask
- Manually triggered ventilator and suitable mask (highly recommended)
- Disinfectant wipes/solution
- All equipment must meet local legislative standards and be in clean and good working order
- Face shields and personal barrier devices (recommended)
- Floor covering for comfort (Yoga mat(s) or similar recommended)

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

- Complete all academic presentations, quizzes and exam
- Complete all practical requirements including skill development and scenarios

VIII. In-Water Training

- There are no required dives or in-water training in this course.

IX. Certification

- This certification provides a diver or non-diver the knowledge and skills to utilize emergency oxygen in first aid situations. This is **NOT** a replacement for any required workplace qualifications.

*This course may be credited towards the Master Diver rating.

PERFORMANCE DIVER

I. Purpose

The course has been designed to perfect the foundational skills of any diver, regardless of their certification level. It may be taken using standard single tank equipment – that has been slightly modified – sidemount, twinset or a RAID approved rebreather.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 15 years old when using open circuit.
- Obtain guardian permission if a minor.
- Be a minimum of 18 years old when using a rebreather.
- Be certified as an Open Water 20 diver or equivalent.
- Have a minimum of 8 hours logged underwater in an open water environment.
- Students may participate in this program using sidemount if they are certified as a RAID sidemount diver or equivalent.

- Students may participate in this program using twinset design if they are certified as an Explorer 30 Diver or higher.
- Students may participate in this program using a recreational rebreather if they are certified as a recreational rebreather diver or higher.
- Students may participate in this program using a technical rebreather if they are certified as a technical rebreather diver or higher.

III. Student to instructor Ratios

The maximum student to instructor ratios are:

- 4 Students: 1 instructor

IV. Depth limitations During Training

This program may be completed in a pool, confined water or open water

- Dive 1 – Minimum 1.6 meters/ 5 feet. Maximum 10meters/ 33 feet
- Dive 2 – Minimum 1.6 meters/ 5 feet. Maximum 20 meters/ 66 feet

V. Supervision

All training must be conducted by a RAID Performance Diver instructor. The instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a divemaster or higher who is also certified as a Performance diver.

- Single tank configuration training may be taught by a RAID Performance Diver instructor.
- Sidemount configuration training may be taught by a Performance Diver instructor who is also be a RAID Sidemount instructor.
- Twinset configuration training may be taught by a Performance Diver instructor who is also a RAID Deco 50 instructor.
- Recreational rebreather configuration training may be a Performance Diver instructor must also be a RAID Recreational Rebreather instructor.
- Technical rebreather configuration may be taught by a Performance Diver instructor must also be a RAID Tech Rebreather instructor.

VI. Equipment Requirements

Single cylinder (with or without H or Y valve) of adequate capacity for the planned dive. A minimum of a 12 litre/ 80 cubic foot cylinder is highly recommended.

- A DIN First stage with:
 - One primary regulator with 2m / 7ft hose including piston clip for clipping off regulator.
 - One low-pressure inflator hose for BCD an additional hose for Dry suit if applicable.
 - One backup regulator with standard hose fitted with neck bungee.
 - One SPG with piston clip for attaching to D Ring when stowed.

OR

- A standard recreational regulator setup:
 - fitted with a 2m / 7ft hose fitted to the primary regulator.
 - Buoyancy Compensator
 - Standard BCD or backplate and wing with harness with adequate lift for the environment.

Additional equipment required:

- 1 x personal dive computer
- 1 x SMB and reel/spool
- 1 x knife/cutting device
- 1 x Backup Mask
- 1 x torch/light/underwater lamp
- 1 x exposure suit – a dry suit must have interchangeable inflator system with inflator LP hose

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

- Complete the online academic modules, quizzes, and exam
- Complete all dives as outlined in section VIII.
- The student has logged all training dives online, in their personal “Logbook.”
- All confined and open water skills have been completed and signed off by both the instructor and the student, through the RAID Web site.
- The RAID Dive Centre has confirmed certification online, through the RAID web site.

VIII. In-Water Training

This program may be completed in a pool, confined water or open water.
Minimum of 2 dives with at least 3 hours of underwater training.

IX. Certification

This certification allows divers to conduct dives safely and efficiently with a similarly certified buddy within the limits of their core level certification and experience while also confirming that they have demonstrated a high standard of mastery and understanding of foundational diving skills.

* This course may be credited towards the Master Diver rating.

PHOTOGRAPHY DIVER

I. Purpose

This course is designed to help you improve your photography skills by giving you an understanding of the basic photography and more specifically underwater photography.

II. Student Prerequisites

- Open Water 20 or equivalent
- At least 10 years of age
- Minimum of 2 hours logged underwater
- Register and complete all required paperwork.
- Obtain guardian permission if a minor

III. Student to instructor Ratios

- The maximum student to instructor ratios vary according to the age of Students.
- Age: 10 to 11 Years Old
- 2 students:1 instructor

Note: Students who are 10 to 11 years old may join a group of a maximum of four divers, provided that at least two divers in the group are aged 15 years and older.

- Age: 12 to 14 Years Old
- 6 students:1 instructor

Note: If there are any 12-year-olds in a class the ratio of student to instructor cannot exceed 6:1. The 10 to 11-year-old standard must be adhered to.

- Age: 15 Years and Older
- 8 students:1 instructor
- 10 students:1 instructor plus 1 Certified Assistant

IV. Depth Limitations During Training

- Confined Water – Maximum 5m/15ft
- Open Water Dive 1 + 2 - 20m/66ft Maximum

V. Supervision

All training must be conducted by a RAID Photography instructor. The instructor must be physically present and in direct supervision of all segments of training.

VI. Equipment Requirements

- A digital camera and housing or
- A digital amphibious camera;
- A white slate;
- A slate to write on.

VII. Course Requirements

To earn certification, students must:

- Complete all academic presentations, quizzes and exam
- Complete the 2 open water dives

VIII. In-Water Training

- 2 open water dives with a minimum recommended underwater time totaling at least 1 hour
- All training dives must be logged online in the RAID system

IX. Certification

- This certification enables divers to properly plan and conduct dives while carrying a camera.
- * This course may be credited towards the Master Diver rating.

RAIDAPTIVE TRY DIVE

I. Purpose

This non-certification program is designed to provide beginner adaptive divers with the knowledge and skills needed to safely dive under the direct supervision of a RAIDaptive Instructor and RAIDaptive buddies. It is a simple introduction to scuba diving designed as a safe, fun, and enjoyable adventure, allowing adaptive Try Divers to dive to a maximum depth of 5 meters/15 feet in a pool or confined water and 12 meters/40 feet in open water.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 12 years old.
- Obtain guardian permission if a minor.
- Complete the registration process, including all mandatory paperwork.
- Complete a dive medical

III. Student Instructor Ratios

Age 12 years and older

- D1 diver 2 Students: 1 instructor plus 1 RAIDaptive qualified buddy
- D2 diver 2 Students: 1 instructor plus 2 RAIDaptive qualified buddy
- D3 diver 2 Students: 1 instructor plus 3 RAIDaptive qualified buddy

IV. Depth Limitations During Training

In confined water or pool, the maximum depth must not exceed 5 meters/15 feet.
In open water, the maximum depth must not exceed 12 meters/40 feet.

V. Supervision

To be conducted under direct supervision of a RAIDaptive instructor or higher with the correct amount of RAIDaptive Buddies for each designation.

VI. Equipment Requirements

- Refer to Equipment Requirements in the RGDS.
- Modifying of scuba equipment is allowed to assist the adaptive diver, RAIDaptive instructor or buddies with safe completion of skills required to complete this course.

VII. Course Requirements

The student must fulfil the following requirements.

1. Complete the academic portion using **one** of the methods below before any in-water experience:
2. Complete the online Try Dive quiz and exam.
3. Complete the “Diving in General” quiz in the Junior Scuba Diver, Scuba Diver, Junior Open Water, or Open Water 20 courses.
4. Attend the Try Dive flipbook presentation, and pass either a quick quiz and exam or an oral question-and-answer session.
5. Complete the confined water skills as detailed in the Try Dive instructor Guide.
6. Complete the dives as outlined in Section VIII.

VIII. In-Water Training

To receive recognition for the Try Dive experience, the student must complete these requirements.

- A minimum of 1 confined water or pool dive for the confined-only experience.
- A minimum of 1 confined water or pool dive and 1 open water dive for the open water experience.

IX. Certification

There is no formal certification associated with the Try Dive program. After successfully completing the Try Dive program, the student may complete further try dive experiences under the following conditions:

- Further experiences are completed within seven days.
- The experiences are conducted at the same dive center.
- Conditions must be similar or better than those of the previous try dive experience.
- A dive brief must be conducted by the Try Dive instructor prior to every experience.

X. Upgrade

Although Try Dive is not a certification program, it may often result in a student wanting to upgrade and enroll in a RAIDaptive Open water 20 program.

Refer to the Try Dive, and RAIDaptive Open Water 20 Flexible Dive Training Standards for standards on upgrading a student to become an Open Water 20 Diver.

ISO-11121:2017(E) and RSTC Introductory Scuba Experiences

RAIDAPTIVE OPENWATER 20

I. Purpose

This course is designed to provide students with the knowledge and skills needed to safely dive within the limitations imposed on them by their designation and with certified RAIDaptive buddies to a maximum depth of 20 meters/ 100 feet.

The student will be certified according to the following Designations:

- Designation 1 (D1) – The student must be able to perform all skills independently except for Entries and Exits.
- Designation 2 (D2)– The student must be able to perform all skills independently except for Entries, Exits, Emergency Ascents, Maintaining Positive Buoyancy at the surface by oral inflation of the BCD.
- Designation 3 (D3) – The student must be able to breathe continuously and monitor gas supply. The student will require assistance with all other aspects of diving.

II. Student prerequisites

- Be a minimum of 12 old to participate in the RAIDaptive course.
- Complete the registration process including all mandatory paperwork.
- A signed clearance from a licensed medial practitioner qualified in dive medicine is required for all students of the RAIDaptive Openwater 20 course.
- Swim Tests
 - o D1 and D2 - Can swim comfortably and perform:
 - 10-minute float without any performance aids
 - 200 meters / 220-yard swim without any performance aids OR 300 meters / 330-yard swim with mask, snorkel and fins.
 - o D3 – Not required for this designation

III. Student to instructor ratios

Age 12 years and older

- D1 diver 2 Students: 1 instructor plus 1 RAIDaptive qualified buddy
- D2 diver 2 Students: 1 instructor plus 2 RAIDaptive qualified buddy
- D3 diver 2 Students: 1 instructor plus 3 RAIDaptive qualified buddy

Note: Student ratios must be reduced when environmental conditions are less than ideal.

IV. Depth Limitations During Training

- For training dives 1 and 2, the maximum depth must not exceed 12 meters/40 feet.
- For training dives 3 and 4, the maximum depth must not exceed 18 meters/60 feet.

Note: All assistants need to be RAIDaptive Buddy Course qualified.

V. Supervision

To be conducted under direct supervision of a RAIDaptive instructor or higher with the correct amount of RAIDaptive Buddies for each designation.

VI. Equipment Requirements

Refer to Equipment Requirements in the RGDS.

Modifying of scuba equipment is allowed to assist the adaptive diver, RAIDaptive instructor or buddies with safe completion of skills required to pass this course.

We teach D1, D2 and D3 how to kit up their gear and modify their equipment to suit their requirements so that they are competent to tell others how to kit up their gear for them.

VII. Course Requirements

1. To earn certification, the student must fulfil the following requirements.
2. The course must be completed over a minimum of two days.
3. Complete the online academic presentations, quizzes and exam.
4. Complete all the skill requirements as outlined in the training manual.
5. Complete the following:
6. 2 hours logged underwater in Open Water with 4 Open Water dives

Note: Every RAIDaptive student that we qualify needs to be given a congratulatory letter explaining their limitations with regards to scuba diving, these need to cover how their equipment was modified during their course (and how it needs to be setup for their needs) and which skills were modified to suit their needs. Also, who can/must dive with this RAIDaptive diver.

IX. Certification

For divers aged 12 years and older, the Open Water 20 certification entitles the holder to dive with certified RAIDaptive buddies (according to designation) to a maximum depth of 20 meters/66 feet in conditions similar or better than those experienced during training.

RAIDAPTIVE EXPLORER 30

I. Purpose

This course is designed to provide students with the knowledge and skills needed to safely dive within the limitations imposed on them by their designation and with certified RAIDaptive buddies to a maximum depth of 30 meters/ 100 feet.

II. Student prerequisites

Explorer 30 Certification

- Be a minimum of 15 old to participate in the RAIDaptive Explorer 30 course.
- Be a RAIDaptive Open Water 20 or equivalent.
- Only a D1 RAIDaptive diver may participate in this program, D2 and D3 are not allowed to participate in the Explorer 30 course.
- Have a minimum of 10 hours logged in an open water environment
- Complete the registration process including all mandatory paperwork.
- A signed clearance from a licensed medial practitioner qualified in dive medicine is required for all Students of the RAIDaptive Explorer 30 course.

III. Student to instructor ratios

Age 15 years and older

- D1 diver 2 Students: 1 instructor plus 1 RAIDaptive qualified buddy
- D2 diver Not allowed to participate on RAIDaptive Explorer 30 Course
- D3 diver Not allowed to participate on RAIDaptive Explorer 30 Course

Note: Student ratios must be reduced when environmental conditions are less than ideal.

IV. Depth Limitations During Training

Training dives must not exceed the maximum depth of 30 meters / 100 feet.

V. Supervision

To be conducted under direct supervision of a RAIDaptive instructor or higher.

Indirect supervision is allowed on the Drift and Navigation dives, but safety must be maintained.

Note: All assistants need to be RAIDaptive Buddy Course qualified.

VI. Equipment Requirements

- Refer to Equipment Requirements in the RGDS.
- Modifying of scuba equipment is allowed to assist the adaptive diver, RAIDaptive instructor or buddies with safe completion of skills required to pass this course.

VII. Course Requirements

- To earn certification, the student must fulfil the following requirements.
- The course must be completed over a minimum of two days.
- Complete the online academic presentations, quizzes and exam.
- Complete all the skill requirements as outlined in the training manual.

- Complete the following:
- 2.5 hours logged underwater in Open Water.
- 5 Open Water dives comprising of 3 mandatory dives (buoyancy control, navigation and deep) and two elective dives.

Note: The Buoyancy and Navigation dives may be completed before the theory is finished. Students must be fully registered (meaning the verification of registration is done or paperwork concerning medical history, liability release and safe diving practices are complete) and the RAID Dive instructor must give a full brief on the contents of these dives including any safety concerns for the area.

IX. Certification

The RAIDaptive Explorer 30 certification entitles the holder to dive with a certified RAIDaptive or equivalent dive buddy, to a maximum depth of 30m/ 100 feet in conditions similar or better than those experienced during training

RAIDAPTIVE BUDDY

I. Purpose

To train students that when evaluated by the RAID Instructor, are deemed to have sufficient knowledge, skills and experience to assist during training and / or certified dive with RAIDaptive scuba divers in Open Water conditions like that in which their training was conducted in or better.

The RAIDaptive Buddy is to help as required to compensate for skills that the Designated 1, 2 or 3 divers are unable to perform independently.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 18 years old.
- Complete the registration process, including all mandatory paperwork.
- Be certified as a Master Rescue diver or equivalent.
- Be a certified and in date first aider and oxygen provider.
- Be a certified RAID Nitrox diver or equivalent.

III. Student Instructor Ratios

- 6 Students: 1 instructor

IV. Depth Limitations During Training

In confined water or pool, the maximum depth must not exceed 5 meters/15 feet.

In open water, the maximum depth must not exceed 18 meters/60 feet.

V. Supervision

To be conducted under direct supervision of a RAIDaptive instructor or higher.

VI. Equipment Requirements

- Refer to Equipment Requirements in the RGDS.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. Complete the course in a minimum of two days.
2. Complete the online academic modules, quizzes, and exam.
3. Complete all the skill requirements as outlined in the instructor manual.

4. Complete the 4 confined water sessions
5. Complete the open water evaluation as outlined in section the instructor manual.

VIII. In-Water Training

To be certified, the student must complete these requirements.

- A minimum of 4 confined water or pool dives
- A minimum of 1 open water dive.

IX. Certification

Certification entitles the holder to dive with a RAIDaptive diver according buddy team requirements of the Level of the diver to a maximum depth of 20m / 66 feet.

RIVER DIVER

I. Purpose

This course is designed to introduce students to the proper procedures and skills necessary to plan and conduct dives in rivers and torrents with a certified dive buddy.

II. Student Prerequisites

- Open Water 20 or equivalent
- At least 15 years of age
- Minimum of 4 hours logged underwater
- Register and complete all required paperwork.
- Obtain guardian permission if a minor

III. Student to instructor Ratios

The maximum student to instructor ratios are:

- 4 Students: 1 instructor
- 2 students: 1 instructor when current is more than ½ knot and visibility is less than 6 meters

NOTE: Conduct a thorough dive site evaluation and reduce ratios as necessary since diving in fast-flowing rivers and strong currents is risky.

IV. Depth Limitations During Training

- Confined Water – There are no confined water sessions in this course
- Open Water Dive 1 – 5m/15ft Minimum, 10m/33ft Maximum
- Open Water Dive 2 – 5m/15ft Minimum, 15m/50ft Maximum

V. Supervision

Qualified River Diver instructor must be in the water with his/her students and in control for every moment of the dive and has to be the last person out of the water.

VI. Equipment Requirements

- Refer to RGDS for all standard student and instructor equipment
- Ropes long enough to span the river/torrent
- At least 2 snap hooks for each rope
- Compass
- Primary and secondary lights

VII. Course Requirements

To earn certification, students must:

- Complete all academic presentations, quizzes and exam
- Complete the 2 open water dives

VIII. In-Water Training

- 2 open water dives with a minimum recommended underwater time totaling at least 1 hour
- All training dives must be logged online in the RAID system

IX. Certification

- This certification enables divers to properly plan and conduct dives in rivers and torrents with a certified dive buddy and the use of all proper equipment.

* This course may be credited towards the Master Diver rating.

SEARCH AND RECOVERY

I. Purpose

The RAID Search and Recovery Specialty course is designed to give students the knowledge and skills to safely and efficiently conduct a search for missing equipment or property with a certified dive buddy.

II. Student Prerequisites

- 12 years of age
- Open Water 20 or equivalent
- Minimum of 4 hours logged underwater
- Register and complete all required paperwork.
- Obtain guardian permission, if a minor

III. Student to instructor Ratios

The maximum student to instructor ratios are:

- Age: 12 to 14 Years Old
 - 6 Students:1 instructor

Note: If there are any 12-year-olds in a class the ratio of student to instructor cannot exceed 6:1.

- Age: 15 Years and Older
 - 8 Students:1 instructor
 - 10 Students:1 instructor plus 1 Certified Assistant

IV. Depth Limitations During Training

- Open Water Dive 1 – 15m/50ft Maximum
- Open Water Dive 2 – 15m/50ft Maximum
- Open Water Dive 3 – 15m/50ft Maximum
- Open Water Dive 4 – 15m/50ft Maximum

V. Supervision

- A current in-status RAID Search and Recovery Specialty instructor must be present and in direct control of all training activities.
- A certified assistant for this course is a current in-status RAID Divemaster or higher

VI. Equipment Requirements

Refer to RGDS for all standard student and instructor equipment.

Additional equipment required:

- Compass
- Jackstay
- Rope or line for sweep and circular patterns
- Equipment for Grid Search (can be PVC pipe, cord, line etc....)
- Lift Bag
- Extra SMB for marking objects

VII. Course Requirements

- Complete all academic presentations, quizzes and exam
- Complete all four open water training dives

VIII. In-Water Training

- 4 open water training dives
- Total underwater dive time of 3 hours minimum
- All training dives must be logged online in the RAID system

IX. Certification

- This certification enables divers to safely and efficiently conduct a search for missing equipment or property with a similarly certified buddy in conditions equal to or better than those conducted in training and within the limits of their core level certification.

* This course may be credited towards the Master Diver rating.

SHARK SPECIALTIES

I. Purpose

The RAID Shark Specialties are designed to give divers, freedivers and snorkelers the knowledge to identify shark species as well as behavior patterns. Another goal of the course is to help people understand the common misconceptions about sharks. A portion of the course fees go towards shark conservation.

II. Student Prerequisites

- 10 years of age
- Must be a certified diver, certified freediver or competent snorkeler and swimmer
- Register and complete all required paperwork.
- Obtain guardian permission if a minor

III. Student to instructor Ratios

The maximum student to instructor ratios vary according to the age of Students.

Age: 10 to 11 Years Old

- 2 students:1 instructor

Note: Students who are 10 to 11 years old may join a group of a maximum of four divers, provided that at least two divers in the group are aged 15 years and older.

- Age: 12 to 14 Years Old
 - 6 students:1 instructor

Note: If there are any 12-year-olds in a class the ratio of student to instructor cannot exceed 6:1. The 10 to 11-year-old standard must be adhered to.

- Age: 15 Years and Older
 - 8 students:1 instructor
 - 10 students:1 instructor plus 1 Certified Assistant

IV. Depth Limitations During Training

- Snorkeler and Swimmer – Must not descend below 2m/6ft
- Divers and Free divers – Subject to core level with a maximum of 30m/100ft

V. Supervision

- A current in-status RAID Divemaster or higher who holds the appropriate Shark Specialty instructor rating must be present and directly in control of all training activities.
- A certified assistant for this course is a current in-status RAID Divemaster or higher who holds the appropriate shark specialty diver or instructor certification.

VI. Equipment Requirements

- For the Scuba option, refer to RGDS for standard equipment requirements
- For the Freediving option, refer to RAID Freediving Equipment Standards
- Snorkelers and Swimmers must not have any weights
- Slate and Pencil

VII. Course Requirements

- Complete all academic presentations, quizzes, and exam for Introduction to Shark
- Complete all academic presentations, quizzes, and exam for specific shark specialty
- Complete open water dive requirements

VIII. In-Water Training

- Any student under the age of 18 must be accompanied by an adult as a buddy
- 2 or more Open Water sessions with a total time of at-least 2 hours
- Training Dives must be logged online in the RAID system

IX. Certification

- This certification enables divers, freedivers and snorkelers to have an increased knowledge in identifying and observing shark species and behaviors within the limits of their certifications and with the appropriate buddy (diver, freediver, swimmer).
- * This course may be credited towards the Master Diver rating.

Note: These standards refer to all current RAID Shark Specialties including Whale Shark and Ragged Tooth Sand Tiger.

SIDEMOUNT SPECIALTY

I. Purpose

To train divers to use sidemount configuration to dive with one or two (preferred) independent cylinders. This program may be combined with other approved RAID diver programs.

II. Student prerequisites

A student taking this course must:

- Be a minimum of 10 years old.
 - Obtain guardian permission if a minor.
- Be certified as an Open Water 20, Junior Open Water diver or equivalent.

- Complete the registration process, including all mandatory paperwork.

III. Student to Instructor Ratios

The maximum student to instructor ratios vary depending on the age group.

- Age: 10 to 11 Years Old
 - 2 students:1 instructor

Note: Students who are 10 to 11 years old may join a group of a maximum of four divers, provided at least two divers in the group are aged 15 years and older.

- Age: 12 Years and Older
 - 4 students:1 instructor – Confined Water
 - 2 students:1 instructor – Open Water
- Age: 15 Years and Older
 - 4 Students:1 instructor – Confined Water
 - 4 Students:1 instructor – Open Water

IV. Depth limitations during training

Maximum depth within the limits of student’s core level certifications.

V. Supervision

All training must be conducted by a RAID Sidemount instructor. The instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a divemaster or higher with certification as a sidemount specialty diver or higher.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. Complete the online academic modules, quizzes, and exam
2. The student has logged all the training dives online, in their personal “Logbook”
3. All confined and open water skills have been completed and signed off by both the instructor and the student, through the RAID Web site.
4. Complete all dives as outlined in section VIII.
5. The RAID Dive Centre has confirmed certification online, through the RAID web site.

VIII. In-Water Training

As a standalone, this program may be signed off by completing:

- A confined Water Session with at least 1.0 hour of underwater training.
- Minimum of 2 open water dives with at least 3 hours of underwater training.

When combined with another program, the total underwater training must be cumulative and ALL skills for both programs must be demonstrated and mastered.

Note: the raid sidemount course is a not a decompression or overhead program

IX. Certification

This certification enables divers to conduct sidemount dives safely and efficiently using one or two (preferred) independent cylinders, within the limits of their core level certifications.

* This course may be credited towards the Master Diver rating.

TWINSET DIVER

I. Purpose

To train divers to use a twinset configuration. This program may be combined with other approved RAID diver programs.

II. Student prerequisites

A student taking this course must:

- Be a minimum of 15 years old.
 - Obtain guardian permission if a minor.
- Be certified as an Open Water 20 or equivalent.
- Complete the registration process, including all mandatory paperwork.

III. Student to Instructor Ratios

- 6 Students:1 instructor – Confined Water
- 6 Students:1 instructor – Open Water

IV. Depth limitations during training

Maximum depth within the limits of student's core level certifications.

V. Supervision

All training must be conducted by a RAID Twinset instructor. The instructor must be physically present and in direct supervision of all segments of training. Using matching equipment through the duration of the course.

A certified assistant must be a divemaster or higher with certification as a twinset specialty diver or higher.

VI. Equipment Requirements

Refer to "Equipment Requirements" in the RGDS.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. Complete the online academic modules, quizzes, and exam
2. The student has logged all the training dives online, in their personal "Logbook"
3. All confined and open water skills have been completed and signed off by both the instructor and the student, through the RAID Web site.
4. Complete all dives as outlined in section VIII.
5. The RAID Dive Centre has confirmed certification online, through the RAID web site.

VIII. In-Water Training

As a standalone, this program may be signed off by completing:

- Confined water: Adequate time to show mastery of all skills.
- Minimum of 2 open water dives with at least 3 hours of underwater training.

When combined with another program, the total underwater training must be cumulative and ALL skills for both programs must be demonstrated and mastered. When combined with another course open water time may be reduced to 2 hours.

Note: the RAID twinset course is a not a decompression or overhead program

IX. Certification

This certification enables divers to conduct twinset dives safely and efficiently, within the limits of their core level certifications.

* This course may be credited towards the Master Diver rating.

WRECK (NO PENETRATION)

I. Purpose

The RAID Wreck diver course is designed to provide students with the knowledge and skills to safely and efficiently conduct wreck dives without penetration with a certified dive buddy.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 10 years old
- Be certified as an Open Water 20 diver or equivalent.
- Obtain guardian permission if a minor.
- Complete the registration process, including all mandatory paperwork.

III. Student to instructor Ratios

The maximum student to instructor ratios vary depending on the age group.

Age: 10 to 11 Years Old

- 2 Students:1 instructor

Note: Students who are 10 to 11 years old may join a group of a maximum of four divers, provided that at least two divers in the group are aged 15 years and older.

Age: 12 to 14 Years Old

- 6 Students:1 instructor

Note: If there are any 12-year-olds in a class the ratio of student to instructor cannot exceed 6:1. The 10 to 11-year-old standard must be adhered to.

Age: 15 Years and Older

- 8 Students:1 instructor
- 10 Students:1 instructor plus 1 Certified Assistant

Note: Student ratios must be reduced when environmental conditions are less than ideal.

IV. Depth Limitations During Training

- Optional Confined Water Session – 5m/15ft Maximum
- Open Water Dives 1 and 2 must be conducted to a minimum depth of 5m/15ft and a maximum depth of 30m/100ft (subject to core level training).

V. Supervision

All training must be conducted by a RAID Wreck or Advanced Wreck instructor. The instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a divemaster or higher who is also certified as a Wreck diver.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

- Compass
- Slate and Pencil

VII. Course Requirements

To earn certification, the student must fulfil the following requirements

- Complete the online academic modules, quizzes, and exam
- Complete all the skill requirements as outlined in the Wreck instructor guide.
- Complete all dives as outlined in section VIII.

VIII. In-Water Training

To be certified, the student must complete these requirements.

- Confined Water Session – Optional
- Minimum of 2 open water dives with at least 1.5 hours of training.

IX. Certification

This certification enables divers to safely and efficiently conduct non-penetration wreck dives with a similarly certified buddy within the limits of their core level certifications.

* This course may be credited towards the Master Diver rating.

WRECK (ADVANCED)

I. Purpose

The goal of the Advanced Wreck diver course is to provide students with the knowledge and skills to conduct, safely and efficiently, wreck penetration dives within the natural daylight zone to a maximum linear penetration distance of 40m/130ft from the surface. Penetration beyond the limits of ambient light (natural daylight), or further from the surface (i.e. longer penetrations into the overhead or deeper dives) is well beyond the scope of this program.

II. Student Prerequisites

A student taking this course must:

- Be certified as an Open Water 20 diver or equivalent.
- Be a minimum of 15 years old
- Have a minimum of 5 hours logged underwater in an open water environment.
- Obtain guardian permission if a minor.
- Complete the registration process, including all mandatory paperwork.

III. Student to Instructor Ratios

The maximum student to instructor ratios is

- Confined Water – 8:1
- Open Water non-penetration – 8:1
- Open Water penetration – 3:1

Note: Ratios may not be increased when using a certified assistant

IV. Depth Limitations During Training

- Optional Confined Water session – 5m/15ft Maximum
- Open Water Dives 1 and 2 – Maximum depth of 30m/100ft (20m / 65ft if student Open Water certified)
- Open Water Dives 3 and 4 – Maximum depth of 35m/115ft (20m / 65ft if student Open Water certified)
- For all dives – Maximum linear penetration distance of 40m/130ft from the surface

NOTE: All training must be conducted within the light zone, even during penetration. Diving beyond the light zone (where daylight is not the primary light source) is outside of the scope of this course.

V. Supervision

All training must be conducted by an Advanced Wreck instructor. The instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a divemaster or higher who is also certified as an Advanced Wreck diver.

NOTE: instructors must be in direct contact distance for any blacked-out exercises. Students are not to be taken in any areas with restricted access.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

Additional equipment required:

- Primary regulator must have a long hose (2m/7ft) with “P” clip (boltsnap) attached
- Primary and secondary dive lights
- Compass
- Spool or reel with adequate line for the dive
- Secondary spool or reel for SMB and lost line drills
- Slate and pencil
- Spare mask
- 2 cutting devices (one must be accessible by either hand)
- Gas Redundant Equipment (twinset, sidemount or bail out).
 - Students must hold proper certifications to use twinset or sidemount equipment.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. Complete the course in a minimum of two days.
2. Complete the online academic modules, quizzes, and exam.
3. Complete all the skill requirements as outlined in the Advanced Wreck instructor guide.
4. Complete all dives as outlined in section VIII.

VIII. In-Water Training

- Confined Water Session
- Minimum of 4 open water dives with at least 2 hours of underwater training
- [Course dives may be combined with Nitrox, Deep 40, Boat and Ecological Diver.](#)

IX. Certification

This Advanced Wreck certification enables divers to conduct limited penetration wreck dives with a similarly certified buddy within the depth limits of their core level certifications and to a maximum of 40m/130ft linear penetration from the surface.

* This course may be credited towards the Master Diver rating.

LEADERSHIP COURSES AND RATINGS

RAID DIVEMASTER (ISO 24801-3)

I. Purpose

This course is designed to safely train Divemasters upon successful completion and in conditions similar to those in which they were trained or have experience in (see note on conditions in this document) to:

- Assist a RAID instructor during in water training sessions for all courses subject to the relevant standards.
- Supervise, organize and direct recreational training activities.
- Accompany students under the direct supervision of an instructor during surface swims to and from entry and exit points, and during navigation exercises.
- Supervise students while the instructor conducts a skill.
- Conduct Local Area Orientation dives for certified divers.
- Conduct open circuit refresher skills for certified divers in confined water only.
- Conduct limited Specialty courses where standards allow.

- Conduct Try dive programs in confined water, after being certified as Try Dive instructor.
- Prepare candidates for the instructor Development Program.
- Complete no decompression dives to a maximum depth of 40 meters / 130 feet with a maximum PO₂ of 1.4.

II. Student Prerequisites

1. Be a minimum of 18 years old.
2. Be certified as a RAID Nitrox and RAID Deep 40 diver or equivalent from a recognized training agency prior to certification.
3. Be a certified RAID Master Rescue diver or equivalent from a recognized training agency.
4. Have a minimum of 15 logged underwater hours and a minimum of 45 dives.
 - At least 35 of these dives must have been completed after completion of an advanced level of training, that is, over and above Open Water.
5. Have logged experience in Navigation and Night / limited Diving.
6. Be currently certified as RAID First AID and O2 or equivalent.
7. Medical signed by a Licensed Medical Practitioner within the previous 12 months stating the holder is fit to dive.
8. Complete the registration process including all mandatory paperwork.

III. Student to Instructor Ratios

The candidates-to-instructor ratio is 8 Candidates: 1 Divemaster instructor or higher.

IV. Depth Limitations During Training

- In confined water or pool, the maximum depth must not exceed 5 meters/15 feet.
- In open water, the maximum depth must not exceed 40 meters/130 feet in open water.

V. Supervision

A Divemaster instructor (or higher) must be present and in direct supervision of all segments of training.

VI. Equipment Requirements

- Refer to “Equipment Requirements” in the RGDS.
- In addition, Divemaster candidates will need the Divemaster slates - “Buddy Team Planner/ Dive Site Briefing” Slate.

VII. Course Requirements

1. Online e-learning or mobile APP, academic presentations, quizzes, exam.
2. Complete the skill requirements as specified by the specific training manual, this will include, but not limited to;
 - Equipment;
 - Physics of diving;
 - Medical issues related to diving;
 - Use of diving tables and dive computers;
 - Diving environment;
 - Dive planning and dive management;
 - Communications, both underwater and on the surface;
 - Recommended safe diving practices;
 - Boat diving procedures;
 - Night diving procedures;
 - Limited visibility diving procedures;
 - Deep diving procedures;
 - Tides and currents;
 - Limitations of diving with no direct access to the surface;
 - Navigation;
 - Accident management; including lost diver procedures;
 - Awareness and understanding of diving related legislation and legal requirements.

3. Complete the course with a minimum of:
 - 6 hours logged underwater in Open Water. (It is recognized that Divemaster candidates will do hours in their own time to complete course tasks.)
4. Students shall have sufficient understanding and knowledge of the following topics to plan and execute their dives in typical conditions encountered in the local environment and to plan for and respond to possible emergencies during such dives.
5. The competence of students in all scuba skills must be suitable to cope with the most demanding operational factors of their region. Influencing factors can include the following:
 - Review Personal Diving skills
 - Stamina exercises
 - Basic recreational diver assistance / rescue
 - Environment Dive Mapping
 - Certification as Deep 40 diver or equivalent
 - Underwater visibility
 - Dive Leadership, size and experience of the group
 - Organizational skills
 - Risk Management Schedules and knowledge of local regulations and guidelines
 - Assisting and Conducting Programs with RAID instructors
 - Equipment use and care
 - Currents, tides and local water conditions
 - Variable surface conditions
 - Variable water temperatures
6. Before certification, under the supervision of the RAID divemaster instructor, conduct Try Dive (confined water only) experiences for at least 6 students or simulate 2 (confined water only) Try Dive programs.
7. Certification as RAID Compressor Operator or equivalent before certification or prior to assisting with tank fills throughout the course
8. Completion of the Knot tying workshop any time prior to certification
9. Candidates must review all rescue skills prior to phase 2 of training and will be evaluated on a complete rescue scenario.
10. The duration of the program must be a minimum of 40 hours.
11. This course may only be conducted by a certified RAID Divemaster instructor or higher certification.

V. Supervision

Course to be conducted by a RAID Divemaster instructor.

IX. Certification

- In addition to the above, the student must have logged at least 60 open water dives with a total accumulated underwater time of 30 hours to be certified.

COURSES A DIVEMASTER CAN TEACH:

A Divemaster that has been certified as a Try Dive Instructor can upon successful certification with a Specialty Instructor Trainer teach the following Specialty courses:

- Action Camera
- Boat Diver
- Ecological Diver
- Equipment
- First Aid
- Oxygen Administration
- Snorkel Diver

Note: Before being placed in active status, newly certified Divemasters will need to provide proof of liability insurance and any certificates mandated by local authorities where applicable. Consult your RRO for more details.

TRY DIVE INSTRUCTOR

I. Purpose

This program is designed to provide Divemasters and instructors with the knowledge and skills needed to safely provide the Try Dive experience in pools, aquariums, confined water and open water to beginner divers. Divemasters are restricted to teaching in confined water to a maximum depth of 5m/15ft. Instructors can teach to a maximum depth of 12m/40ft in confined water like conditions

II. Candidate Prerequisites

A Candidate taking this course must:

- Be a minimum of 18 years old.
- Certified as Divemaster or instructor (or equivalent).
 - Divemasters from approved equivalent agencies must crossover to RAID Divemaster and RAID membership must be renewed and in status prior to certification as a Try Dive instructor.
- Complete the registration process, including all mandatory paperwork.

III. Candidate-to-instructor Ratios

The candidates-to-instructor ratio is 8 Candidates: 1 Divemaster instructor or higher.

IV. Depth Limitations During Training

- In confined water or pool, the maximum depth must not exceed 5 meters/15 feet.
- In open water, the maximum depth must not exceed 12 meters/40 feet in open water.

V. Supervision

- A Divemaster instructor (or higher) must be present and in direct supervision of all segments of training.

Confined Water Try Dive instructor

A Confined Water Try Dive instructor can be one of the following:

- An Instructor
- A Divemaster who is also a certified Try Dive Instructor

Note: Divemasters who are also certified as Try Dive instructors may teach only in confined water.

Open Water Try Dive instructor

An Open Water (Pool, confined water and open water) Try Dive instructor can be one of the following:

- An instructor
- A current (in status) RAID Divemaster who is also
 - (1) a current Instructor from an approved training agency and
 - (2) a certified RAID Try Dive Instructor

A certified assistant must be a Divemaster or higher. He or she may not directly supervise any segments of training.

VI. Equipment Requirements

Refer to "Equipment Requirements" in the RGDS.

VII. Course Requirements

The student must fulfil the following course requirements.

- IDP Candidates and Divemasters:
 - Complete the academic portion:

- Complete the online academics and pass the quizzes, and exam
- Complete a presentation and explanation of the Try Dive Flip Book.
- Complete all Try Dive skills as outlined in the Try Dive instructor manuals.
- A current (in status) instructor from another agency:
 - Certified as RAID Divemaster.
 - Complete the academic portion:
 - Complete the online academics and pass the quizzes, and exam
 - Complete a presentation and explanation of the Try Dive Flip Book.
 - Complete all Try Dive skills as outlined in the Try Dive instructor manuals.

VIII. In-Water Training

There is no minimum amount of in-water time.

IX. Certification

RAID Divemasters:

- Upon successful completion of the Divemaster program and the Try Dive instructor course, are certified to teach the Try Dive experience in confined water only.
- To remain in status as a Try Dive instructor, annual Divemaster membership must be renewed and teach a minimum of 2 students in the current year.
- [Can enroll in certain specialty instructor courses as per Divemaster standards.](#)

A current (in status) instructor from another agency:

- Upon successful completion of the Divemaster crossover or instructor crossover, and the Try Dive instructor course, are certified to teach Try Dive experience in pool, confined water environment or open water.
- To remain in status as a Try Dive instructor, annual membership must be renewed and teach a minimum of 5 students in the current year.

RAID instructors:

- Upon successful completion of the Try Dive instructor program are certified to teach in a pool, confined water or open water in conditions outlined above.

INSTRUCTOR DEVELOPMENT PROGRAM (IDP)

I. Purpose

This course is designed to train candidates to become Open Circuit instructors who will be qualified to teach RAID core programs.

- Plan, organize and conduct dives and lead other recreational scuba divers of all levels in open water.
- Teach and assess students up to RAID Master Rescue and Master Diver in accordance with the RGDS.
- Teach open circuit no decompression diving, on air or nitrox to a maximum depth of 40 meters / 130 feet.

Once certified, Open Circuit instructors may teach the following courses:

- Snorkel Diver, Try Dive, Cadet Try Dive, Scuba Reboot
- Cadet Scuba Diver, Junior Scuba Diver and Scuba Diver
- Cadet Open Water, Junior Open Water Diver and Open Water 20 Diver
- Cadet Explorer, Junior Explorer and Explorer 30
- Advanced 35
- Master Rescue
- Nitrox
- Deep 40

II. Candidate Prerequisites

A candidate interested in taking this course must:

- Be a minimum of 18 years old.
- [Have been a certified diver for a minimum of 6 months.](#)
- Be certified as a RAID Divemaster or equivalent.
- Have a minimum of 100 logged underwater hours or 200 logged dives.

- Be certified as RAID Nitrox and Deep 40 diver or equivalent.
- Have logged experience in navigation and night diving.
- Submit current approved First Aid and Oxygen Administration certifications.
- Submit a valid (12 months) medical statement signed by a licensed medical practitioner.
- Submit a copy of diving instructor liability insurance, where applicable.

Note: For crossover candidates, please refer to instructor Crossover standards.

III. Candidate-to-instructor Trainer Ratios

The maximum candidate-to-instructor trainer ratios are:

- 8 Candidates: 1 instructor Trainer

IV. Depth Limitations During Training

In confined water, the maximum depth must not exceed 5 meters/15 feet.

In open water, the maximum depth must not exceed 20 meters/66 feet.

For the Deep 40 instructor workshop, the maximum depth must not exceed 40 meters/130 feet.

V. Supervision

All training must be conducted by an instructor Trainer. The instructor Trainer must be physically present and in direct supervision of all segments of training.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. Complete the course in a minimum of eight days.
2. Complete the online academic modules, quizzes, and exam.
3. Complete all the requirements as outlined in the IDP manual.

**The candidate must complete at least 100 course hours (including home study).
A minimum of 60 hours must be completed under the supervision of an instructor Trainer.**

VIII. In-Water Training

There is no minimum amount of time in-water.

IX. Certification

Upon passing the IDP, a certificate of attendance and approval to attend an instructor Examination (IE) is generated.

Upon successful completion of the IE, an Open Circuit instructor certification is awarded, which allows instructors to:

- Plan, organize and conduct dives and lead other recreational scuba divers of all levels in open water.
- Teach and assess students up to RAID Master Rescue and Master Diver in accordance with the RGDS.
- Teach open circuit no decompression diving, on air or nitrox to a maximum depth of 40 meters / 130 feet.

Once certified, Open Circuit instructors may teach the following courses:

- Try Dive
- Junior Scuba Diver and Scuba Diver
- Junior Open Water Diver and Open Water 20 Diver
- Junior Explorer and Explorer 30
- Advanced 35
- Master Rescue
- Nitrox

- Deep 40

Note: A RAID instructor cannot teach a RAID Divemaster course until certified as a RAID Divemaster instructor. Also, after successfully completing the IDP, the candidate has 12 months to attend and pass the IE.

INSTRUCTOR EXAMINATION (IE) OPEN CIRCUIT INSTRUCTOR

I. Purpose

This course is designed to provide an independent evaluation of candidates who have completed and passed the instructor Development Program (IDP).

II. Candidate Prerequisites

A candidate eligible for this examination must:

- Have successfully passed the appropriate IDP.
- Submit a copy of diving instructor liability insurance, where applicable.
- Submit a Medical Statement signed by a licensed medical practitioner within the past 12 months, stating he or she is fit to dive.
- Pay the IE fee when booking the IE. Candidates consult your instructor Trainer for current pricing.

III. Candidate-to-Examiner Ratios

The candidates-to-examiner ratio is 8 Candidates: 1 Examiner.

IV. Depth Limitations During Training

In confined water, the maximum depth must not exceed 5 meters/15 feet.

In open water, the maximum depth must not exceed 20 meters/66 feet.

V. Supervision

All training must be conducted and evaluated by an Examiner. The Examiner must be physically present and in direct supervision of all segments of training. An Examiner may not evaluate instructor Examination (IE) candidates with whom he or she has worked as the instructor Trainer.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

- Complete and pass the online academic modules, quizzes, and exam.
- Complete and pass all academic, confined water, open water, and rescue evaluations as outlined in the instructor Examination Candidate Guide.

VIII. In-Water Training

There is no minimum amount of time in-water.

IX. Certification

Upon successfully passing the IE and activating the instructor membership, the instructor may independently teach all programs as outlined in the IDP standards through a RAID DC.

Should the IE candidate be unsuccessful on the instructor Exam, the candidate may participate in another exam after no less than seven days and after seeking additional training and instruction from his or her instructor Trainer.

Should the IE candidate fail the exam three times, the Examiner will remediate with the instructor Trainer and guide the instructor Trainer, regarding the retraining process needed for the candidate.

Note: IE's must be arranged through the RAID instructor Trainer Facility or RRO using the appropriate forms. Individual candidates should not contact Headquarters for an IE on their own.

ISO-24802-2:2014(E) and RSTC Recreational Scuba instructor Certification.

SPECIALTY INSTRUCTOR

I. Purpose

RAID Specialty Instructor program / course are courses developed to teach RAID Instructors how to conduct specialty courses. These may be, but not limited to open circuit, rebreather, technical (decompression and / or cave) environmental or service courses etc.

II. Student Prerequisites

An instructor applying for this course:

- Be a minimum of 18 years old.
 - Be certified and in date as an Open Water Instructor.
 - Be certified and in date as a RAID Divemaster, for the courses a Divemaster can teach.
 - Be certified as a diver in the specialty applying for.
- Complete the registration process, including all mandatory paperwork.

III. Student to instructor Ratios

The maximum student to instructor ratios are:

- Confined Water – 8:1
- Open Water – 8:1

IV. Depth Limitations During Training

In confined water, the maximum depth must not exceed 5 meters/15 feet.

In open water, the maximum depth must not exceed 40 meters/130feet.

V. Supervision

All training must be conducted by a RAID Specialty Instructor Trainer. The Instructor Trainer must be physically present and in direct supervision of all segments of training.

VI. Equipment Requirements

Refer to "Equipment Requirements" in the RGDS.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

- Complete the online academic modules, quizzes, and exam
- Complete all the skill requirements as outlined in the relevant instructor guide.
- Complete all dives as outlined as required to complete the specialty skills evaluation.
- Present and pass at least one academic teaching presentation
- Present and pass at least one confined water presentation
- Present and pass at least one open water presentation
 - Each in-water presentation will consist of 2 skills.
- Present and pass at least one practical application.

VIII. In-Water Training

- Confined Water Session – if required by the specialty

- Minimum of 2 open water dives with at least 60 minutes of underwater training.

IX. Certification

Upon successful completion of the Specialty instructor program instructors are certified to teach students in the applicable specialty as per the specialty course guidelines. RAID requires that a specialty instructor trainer signs off an instructor's specialty rating, as RAID does not accept direct applications based on experience.

DIVEMASTER INSTRUCTOR

I. Purpose

To recognize RAID Instructors who have met the prerequisites to conduct the RAID Divemasters program.

II. Student Prerequisites

An instructor applying for this rating:

- Be a minimum of 18 years old
 - Be certified as an Openwater Instructor
 - Have a minimum of 150 hours or 250 logged dives
- Complete the registration process, including all mandatory paperwork.
- Have no standards violations pending or proven with RAID or any other dive training agency within the last twelve months.
- Have certified a minimum of 25 students with the following minimums:
 - A minimum of 5 Open Water 20.
 - A minimum of 5 Explorer 30 or Advanced 35.
 - A minimum of 3 Master Rescue.
 - A minimum of 10 Diving Specialties.

III. Student to instructor Ratios

- This is a recognition program

IV. Depth Limitations During Training

- There are no dives associated with this qualification

V. Supervision

Applications have to be approved by an Instructor Trainer

VI. Equipment Requirements

- There are no dives associated with this qualification

VII. Course Requirements

- Complete the Divemaster Instructor course online.
- A RAID Instructor Trainer or Examiner must complete the skills sign off and confirm all prerequisites have been met.

VIII. In-Water Training

- There are no dives associated with this qualification

IX. Certification

This certification enables Divemaster Instructors to conduct Divemaster training

MASTER INSTRUCTOR

I. Purpose

This rating is to recognize high achievers who exemplify the essence of the RAID training. It is also a requirement for application to the Instructor Trainer program.

II. Student Prerequisites

An instructor applying for this rating:

- Be a minimum of 21 years old
- Be certified as a RAID Divemaster Instructor.
- RAID Instructor for a minimum of 12 months, unless crossing over as a Master Instructor from an approved agency.
- Have a minimum of 300 logged hours underwater.
- Complete the registration process, including all mandatory paperwork.
- Have no standards violations pending or proven with RAID or any other dive training agency within the last twelve months.
- Have certified a minimum of 150 students with the following minimums:
 - A minimum of 5 Divemasters
 - Try dive, free diving and snorkeling certifications do not count towards this credit

III. Student to instructor Ratios

- This is a recognition program.

IV. Depth Limitations During Training

- There are no dives associated with this qualification.

V. Supervision

Applications have to be approved by RAID HQ or a Regional Office

VI. Equipment Requirements

- There are no dives associated with this qualification.

VII. Course Requirements

- Complete the Master Instructor course online.
- A RAID Instructor Trainer or Examiner must complete the skills sign off and confirm all prerequisites have been met.

VIII. In-Water Training

- There are no dives associated with this qualification.

IX. Certification

This certification enables Master Instructors

- Apply to be accepted onto the Instructor Trainer program (needs approval from HQ)
- Apply for approval to HQ to conduct cross over programs in your area.

PERFORMANCE DIVER INSTRUCTOR PROGRAM

I. Purpose

This course is designed to safely train instructors to teach and certify students to perfect the foundational skills of a diver, no matter what level. It may be taught using standard single tank equipment that has been slightly modified. Instructors may teach the course using sidemount, twinset, recreational rebreather, or technical rebreather as long as they meet all prerequisites.

II. Candidate prerequisites

A candidate taking this course must:

- Be a minimum 18 years old.

- Be certified as a RAID Open Circuit instructor.
- Be certified as a RAID First Aid and Oxygen Provider Instructor or equivalent.
- Submit a current dive medical passed by a certified diving physician.
- Submit proof of liability insurance where applicable.

Instructors wishing to certify via direct application as Performance Diver instructors must meet the following additional prerequisites:

- Complete and sign the Performance Diver instructor Application form and send to RAID HQ or your local RRO.
- Be signed off by a Performance Diver instructor Trainer.

Instructor crossover prerequisites

- As per the standards for Instructor Prerequisites above.
- Submit proof of equivalency.

III. instructor to IT ratios

This program may be completed in a pool, confined water or open water.

Maximum instructor to instructor Trainer ratio is 6:1

IV. Depth limitations during training

A maximum depth of 20 meters / 66 feet.

V. Supervision

A Performance Diver Instructor Trainer must be present and in direct supervision of ALL segments of the training.

- To conduct the program using a sidemount configuration, both the instructor trainer and instructor candidate must be certified as sidemount instructors.
- To conduct the program using a twinset configuration, both the instructor trainer and instructor candidate must be certified as twinset instructors.
- To conduct the program using a rebreather, both the instructor trainer and instructor candidate must be certified as rebreather instructors.

A certified assistant for this course is an Open Circuit Instructor who is certified as a Performance Diver.

VI. Equipment Requirements

Refer to "Equipment Requirements" in the RGDS.

VII. Course Requirements

To earn certification, the candidate must fulfill the following requirements:

- Complete the online academic modules, quizzes, and exam.
- Present and pass at least one academic teaching presentation
- Present and pass at least one confined water presentation
- Present and pass at least one open water presentation
- Each in-water presentation will consist of 2 skills.
- Present and pass at least one practical application.

Note: These sessions can be role played or with actual new Performance Diver students.

VIII. In-Water Training

To be certified, the student must complete these requirements:

- A minimum of two dives with a minimum of 3 hours underwater.

IX. Certification

Certification as a Performance Diver Instructor allows the instructor to safely train and certify students to perfect the foundational diving skills.

X. Maintaining Teaching Status as A Performance Diver Instructor

To maintain teaching status for this level of certification, the follow requirements must be met:

- Maintain status as a RAID instructor.
- Complete at least 1 RAID Performance Diver course each year.

SIDEMOUNT INSTRUCTOR PROGRAM

I. Purpose

This course is designed to safely train instructors to teach and certify RAID Sidemount students to:

- Dive to their maximum current certification depth but not exceeding a maximum depth of 40 meters/130 feet.
- Use two correctly configured sidemount cylinders.
- Use air, nitrox, oxygen and trimix (where applicable)
- The END/EAD for trimix must not exceed 30 meters/100 feet.
- The PO2 of any gas used may not exceed 1.4.
- Only complete no decompression dives.
- Rule of thirds (or sixths where appropriate) must be strictly observed when managing gas.

II. Prerequisites

- Minimum 18 years old.
- Certified and in status as a RAID Open Circuit instructor.
- Certified as a RAID Sidemount Diver or equivalent.
- Have logged at least 25 hours or 50 dives using sidemount.
- Certified as a RAID First Aid and Oxygen Provider Instructor or equivalent.
- Submit a dive medical passed by a certified diving physician.
- Submit proof of liability insurance where applicable.

III. Instructor Cross Over Prerequisites

- As per the standards for INSTRUCTOR PREREQUISITES above.
- Complete an instructor Cross Over IDP program.
- Complete a RAID Sidemount instructor cross over.
- instructors must submit proof of equivalency and proof of logged dives.

IV. Course Certification Standards

To earn certification, the candidate must fulfill the following requirements:

- Complete the online academic modules, quizzes, and exam.
- Present and pass at least one academic teaching presentation
- Present and pass at least one confined water presentation
- Present and pass at least one open water presentation
- Each in-water presentation will consist of 2 skills.
- Present and pass at least one practical application

NOTE: These sessions can be role play or with actual new RAID Sidemount students.

V. Instructor Candidate to IT Ratios

Confined Water

- Maximum ratio: 6:1 with a maximum depth of 6m

Open Water

- Maximum ratio: 6:1

VI. In Water Training

To be certified, the student must complete these requirements:

- **Confined water:** 1 hour
- **Open water:** 3 hours

VII. Certified Instructor Trainer

A certified RAID Sidemount instructor Trainer is defined as an in-status RAID instructor Trainer, who is also a RAID Sidemount instructor Trainer.

The instructor trainer must be present and in direct supervision for all segments of training.

VIII. Certified Assistant

A certified RAID Sidemount instructor Trainer Assistant is defined as a RAID Master Instructor Trainer, who is also certified as a RAID Sidemount instructor.

IX. Maintaining Instructor Teaching Status

To maintain teaching status for this level of certification the following requirements must be met:

- Be a current RAID instructor.
- Conduct a minimum of 2 RAID Sidemount Diver courses each year.
- Have personally completed a minimum of 10 sidemount dives within the renewal period. These dives must be logged online in the member's e-Logbook and any sidemount diving completed in training may be counted.

NOTE: Instructors that are unable to achieve this MAY have to do a refresher.

X. Equipment Requirements

Refer to "Equipment Requirements" in the RGDS.

XI. Certification

Certification as a Sidemount Instructor allows the instructor to safely train and certify students to use a sidemount equipment configuration to a maximum depth of 40m/130ft.

TWINSET INSTRUCTOR PROGRAM

I. Purpose

This course is designed to safely train instructors to teach and certify RAID twinset instructor candidates.

- Dive to their maximum current certification depth.
- Use a correctly configured twinset setup.
- Only complete no decompression dives.

II. Prerequisites

- Minimum 18 years old.
- Certified and in status as a RAID Open Circuit instructor.
- Certified as a RAID Twinset diver or equivalent.
- Have logged at least 25 hours or 50 dives using a twinset.
- Certified as a RAID First Aid and Oxygen Provider Instructor or equivalent.
- Submit a dive medical passed by a certified diving physician.
- Submit proof of liability insurance where applicable.

III. Instructor Cross Over Prerequisites

- As per the standards for INSTRUCTOR PREREQUISITES above.
- Complete a RAID Twinset instructor cross over.

- Instructors must submit proof of equivalency and proof of logged dives.

IV. Course Certification Standards

To earn certification, the candidate must fulfill the following requirements:

- Complete the online academic modules, quizzes, and exam.
- Present and pass at least one academic teaching presentation.
- Present and pass at least one confined water presentation.
- Present and pass at least one open water presentation.
- Present and pass a full twinset skill circuit to a high standard.
- Each in-water presentation will consist of 2 skills.
- Present and pass at least one practical application.

NOTE: These sessions can be role play or with actual new RAID Twinset students.

IV.a Experienced Instructor Accreditation

A RAID Instructor that is certified as a RAID open circuit Deco 40, 50 or 60 Instructor that has prior twinset teaching experience, may contact their RRO to receive their Twinset Instructor certification by direct application.

V. Instructor Candidate to IT Ratios

Confined Water

- Maximum ratio: 6:1 with a maximum depth of 6m

Open Water

- Maximum ratio: 6:1

VI. In Water Training

To be certified, the student must complete these requirements:

- **Confined water:** Adequate time to show mastery of all skills.
- **Open water:** A minimum of 2 dives.

VII. Certified Instructor Trainer

A certified RAID Twinset instructor Trainer is defined as an in-status RAID Instructor Trainer, who is also a RAID Twinset instructor Trainer.

The instructor trainer must be present and in direct supervision for all segments of training.

VIII. Certified Assistant

A certified RAID Twinset instructor trainer assistant is defined as a RAID Instructor, who is also certified as a RAID Twinset diver.

IX. Equipment Requirements

Refer to "Equipment Requirements" in the RGDS.

X. Certification

Certification as a Twinset Instructor allows the instructor to safely train and certify students to use a Twinset equipment configuration to their core certification level and to a maximum depth of 40m/130ft.

INSTRUCTOR TRAINER PROGRAMS

INSTRUCTOR TRAINER PROGRAM (ITP)

I. Purpose

The Instructor Trainer Program (ITP) is designed to train qualified RAID Master Instructors (or equivalent), to teach the RAID Instructor Development Program (IDP).

During the ITP, IT Candidates will hone their teaching skills and develop their evaluation skills by participating in academic, confined and Open Water scenarios.

II. Student Prerequisites

An instructor applying for this rating:

- Be a minimum of 21 years old.
- Be a RAID Open Circuit Instructor for at least 24 months.
- Have a minimum of 300 logged hours underwater.
- Hold a RAID Master Instructor rating.
- [Certified as a Specialty Instructor for: First Aid, Oxygen, Navigation, Night, Performance plus 7 more of your choice](#)
- The candidate is to have no verified quality assurance issues in the last 12 months.
- Complete the Instructor Trainer program.
- Certify most of their training through RAID.
- Medical signed by a Medical Physician stating the holder is fit to dive.

III. Course Requirements

- Complete the skills requirements as detailed in the ITP guide including, but not limited to:
 - Skill development in candidates.
 - Instructional, evaluation and critique techniques.
 - RGDS comprehension.
 - The importance of risk management.
 - The business of diving.
 - Counselling techniques.
- The duration of the program must be a minimum of 100 hours.
- The duration of Confined water and Open Water sessions will depend on location, logistics, candidate's ability to achieve mastery of skills, and the total number of candidates.
- The candidates will be evaluated for their suitability for the required role and are required to meet or exceed the minimum score criteria.
- Candidates must have audited at least one complete IDP before certification.
[If the candidate was unable to participate in a previous IDP, because no IDPs have been carried out in their region, the ITT MUST carry out a specific IDP seminar in addition to the scheduled ITT course.](#)

IV. Who can conduct the course (minimum level Instructor for Course)

- [All training must be conducted by a Rec instructor Trainer Trainer.](#)

V. Instructor/Student Ratios

The maximum candidate-to- Examiner ratios are:

- 1 ITT Rec/8 Candidates

VI. Depth Limitations During Training

[In confined water, the maximum depth must not exceed 5 meters/15 feet.](#)

[In open water, the maximum depth must not exceed 30 meters/66 feet.](#)

VII. Supervision

[Applications must be approved by RAID HQ or a Regional Office](#)

[The instructor Trainer must be physically present and in direct supervision of all segments of training.](#)

VIII. Equipment Requirements

- Refer to “Equipment Requirements” in the RGDS.

STAMINA EXERCISES

In water too deep to stand up in, all instructor Trainer Candidates must:

1. Swim 600 meters / 660 yards without stopping, using any swim stroke or combination of strokes, without the use of swimming aids, within 20 minutes. This exercise must be completed in bathing suit and without the use of buoyancy aids. However, if the environment does not permit this, students may wear exposure protection but must be weighted to be neutrally buoyant.
2. Swim 800 meters / 880 yards without stopping, using only mask, snorkel and fins, (no other swimming or buoyancy aids) within 15 minutes. If the environment does not permit this, students may wear exposure protection but must be weighted to be neutrally buoyant.
3. Swim underwater for 25 meters / 27 yards without surfacing, using only mask, snorkel and fins - no diving in or pushing off from the side.
4. In only a bathing suit and without the use of buoyancy or swimming aids, tread water without allowing the face or mouth to go underwater at any time for 15 minutes. During the final 3 minutes, the swimmer’s hands must be out of the water.

If the environment does not permit this, students may wear exposure protection but must be weighted to be neutrally buoyant.

5. In full open circuit SCUBA equipment, as worn for the discipline and for the environment in which they will be diving, tow an inert diver who is also equipped with full SCUBA equipment, for 150 meters / 165 yards.
6. Following exhalation, do not remove the second stage mouthpiece and swim horizontally for 10 meters / 33 feet to a dive buddy who is facing the opposite direction. While signaling out of air, retrieve the regulator donated by the buddy, clear and breathe from it. After 3 full “sanity” breathes, signal OK and swim 50 meters / 65 yards within 4 minutes. Divers may not come to the surface at any time.

Repeat as per exercise 6 but with the out-of-air diver not wearing a mask.

Repeat as per exercise 6 but with the out-of-air diver not wearing a mask.

IX. In-Water Training

- Confined water and Open Water sessions duration will depend on location, logistics, candidate ability to achieve mastery and number of candidates.

X. Certification

This certification enables the successful candidate to:

- Apply to be accepted onto the Instructor Trainer program (needs approval from HQ)
- Apply for approval to HQ to conduct cross over programs in their area.

XI. Special Standard

In order to maintain current instructor Status, instructor Trainers must teach at least one candidate per year at their highest level. instructor Trainers that are unable to achieve this may have to do an update.

SPECIALTY INSTRUCTOR TRAINER PROGRAM

I. Purpose

Development of Instructor Trainers to teach specific specialty courses.

II. Student Prerequisites

An instructor applying for this rating:

- Make written application to RAID HQ or RRO.
- Be a RAID Instructor Trainer.
- Submit current Resuscitation, First Aid and Oxygen Provider certificates.
- Have certified through RAID programs at least 5 persons for the specific specialty applied for.
 - This may be waived at the discretion of the RAID Examiner or RAID HQ.

At the discretion of the RAID Examiner or RAID HQ complete an IT Specialty Development Program (ITSDP), with a RAID Examiner and / or assist with a Specialty Instructor Development Program (SIDP) with a certified Specialty Instructor Trainer and / or be evaluated during a SIDP by a RAID Examiner.

III. Student to instructor Ratios

The maximum candidate-to- Examiner ratios are:

- 8 Candidates: 1 HQ approved Examiners

IV. Depth Limitations During Training

- **As per the diver specialty standards**

V. Supervision

Applications have to be approved by RAID HQ or a Regional Office

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

- CVIII. In-Water Training
- Confined

PERFORMANCE DIVER INSTRUCTOR TRAINER PROGRAM

I. Purpose

This course is designed to safely train instructors to teach and certify instructors to teach students to perfect the foundational skills of a diver, no matter what level. It may be taught using standard single tank equipment that has been slightly modified. Instructors may teach the course using sidemount, twinset, recreational rebreather, or technical rebreather as long as they meet all prerequisites

II. Student prerequisites

To become a RAID Performance Diver instructor Trainer, the following prerequisites must be met:

- Certified as a RAID instructor Trainer.
- Certified as a Performance Diver instructor.
- Completed a minimum of 5 Performance Diver courses.
- Attend a Performance Diver ITP or make a direct application.

Instructors Trainers wishing to certify via direct application as Performance Diver instructor Trainers must meet the following additional prerequisites:

- Complete and sign the Performance Diver instructor Application form and send to RAID HQ or your local RRO.
- Be signed off by an Examiner or Tec Examiner.

III. instructor Trainer candidate to HQ Trainer ratios

This program may be completed in a pool, confined water or open water.

Maximum ratio is 6:1

IV. Depth limitations during training

A maximum depth of 20 meters / 66 feet.

V. Supervision

An HQ Performance Diver Instructor Trainer must be present and in direct supervision of ALL segments of the training.

- To conduct the program using a sidemount configuration, both the trainer and the candidate must be certified as sidemount instructor trainers.
- To conduct the program using a twinset configuration, both the trainer and the candidate must be certified as twinset instructor trainers.

- To conduct the program using a rebreather, both the trainer and the candidate must be certified as rebreather instructor trainers.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

To earn certification, the candidate must fulfill the following requirements:

- Complete the online academic modules, quizzes, and exam.
- Present and pass at least one academic teaching presentation
- Present and pass at least one confined water presentation
- Present and pass at least one open water presentation
- Each in-water presentation will consist of 2 skills.
- Present and pass at least one practical application.
- Evaluate and pass at least one academic teaching presentation
- Evaluate and pass at least one confined water presentation
- Evaluate and pass at least one open water presentation

Note: These sessions can be role played or with actual new Performance Diver students.

VIII. In-Water Training

- A minimum of two dives with a minimum of 3 hours underwater.

IX. Certification

This certification allows Performance Diver Instructor Trainers to conduct Performance Diver instructor training.

RAIDAPTIVE INSTRUCTOR TRAINER PROGRAM

I. Purpose

Development of Instructor Trainers to teach RAIDaptive Instructors.

II. Student Prerequisites

An instructor applying for this rating:

- Be a RAID Instructor Trainer.
- RAID First Aid Instructor Trainer.
- RAID Oxygen Provider Instructor Trainer.
- Nitrox Instructor Trainer
- Have certified through RAIDaptive programs at least 5 persons.
- Complete a confined and open water workshop.

III. Student to instructor Ratios

The maximum candidate-to- Examiner ratios are:

- 8 Candidates: 1 HQ approved Examiners

IV. Depth Limitations During Training

- 18m/60ft

V. Supervision

Applications have to be approved by RAID HQ or a Regional Office

VI. Equipment Requirements

- Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

- To earn certification, the student must fulfil the following requirements.
 - Complete the course in a minimum of two days.
 - Complete the online academic modules, quizzes, and exam.
 - Conduct and evaluate all the skill requirements as outlined in the instructor manual.
 - Conduct and evaluate all 4 confined water sessions
 - Conduct the open water evaluation as outlined in the instructor manual.

IX. Certification

This certification enables RAIDaptive Instructor Trainers to conduct RAIDaptive instructor training.

SIDEMOUNT INSTRUCTOR TRAINER PROGRAM

I. Purpose

This course is designed to educate instructors Trainers to deliver the RAID Sidemount instructor program.

- Dive to a maximum depth of 40 meters/130 feet.
- Use two correctly configured sidemount cylinders.
- Use air, nitrox, oxygen and trimix (where applicable)
- The END/EAD for trimix must not exceed 30 meters/100 feet.
- The PO₂ of any gas used may not exceed 1.4.
- Only complete no decompression dives.
- Rule of thirds (or sixths where appropriate) must be strictly observed when managing gas.

II. Instructor Trainer Prerequisites

- Minimum 21 years old.
- Certified and in status as a RAID Open Circuit instructor Trainer.
- Certified as a RAID Sidemount instructor
- Logged at least 75 hours or 100 dives using sidemount.
- Taught at least 15 RAID Sidemount divers or equivalent (at least 5 MUST be RAID)
- Certified as a RAID First Aid and RAID Oxygen Provider Instructor or equivalent
- Submit a dive medical passed by a certified diving physician.
- Submit proof of liability insurance where applicable.
- Documented proof of prerequisite requirements must be presented to the RRO and RAID HQ for approval prior to any in water training
- All Instructor Trainer equivalent certifications must be uploaded to the members profile before certification.

IV. Course Certification Standards

To earn certification, the candidate must fulfill the following requirements:

- Complete the online academic modules, quizzes, and exam.
- Present and pass at least one academic teaching presentation
- Present and pass at least one confined water presentation
- Present and pass at least one open water presentation
- Each in-water presentation will consist of 2 skills.
- Evaluate and pass at least one academic teaching presentation
- Evaluate and pass at least one confined water presentation
- Evaluate and pass at least one open water presentation
- Present and pass at least one practical application

NOTE: These sessions can be role play or with actual new RAID Sidemount students.

V. Instructor Trainer Candidate to HQ Instructor Trainer Ratios

Confined Water

- Maximum ratio: 6:1 with a maximum depth of 6m

Open Water

- Maximum ratio: 6:1

VI. In Water Training

To be certified, the student must complete these requirements:

- **Confined water:** 1 hour
- **Open water:** 3 hours

IX. Equipment Requirements

- Refer to “Equipment Requirements” in the RGDS.

X. Certification

This certification allows Sidemount Instructor Trainers to conduct Sidemount Instructor training.

TWINSET INSTRUCTOR TRAINER PROGRAM

I. Purpose

This course is designed to educate Instructors Trainers to deliver the RAID Twinset instructor program.

II. Instructor Trainer Prerequisites

- Minimum 21 years old.
- Certified and in status as a RAID Open Circuit Instructor Trainer.
- Certified as a RAID Twinset instructor
- Logged at least 75 hours or 100 dives using a twinset.
- Taught at least 10 RAID Twinset divers or equivalent.
- Certified as a RAID First Aid and RAID Oxygen Provider Instructor or equivalent.
- Submit a dive medical passed by a certified diving physician.
- Submit proof of liability insurance where applicable.
- Documented proof of prerequisite requirements must be presented to the RRO and RAID HQ for approval prior to any in water training
- All Instructor Trainer equivalent certifications must be uploaded to the members profile before certification.

IV. Course Certification Standards

To earn certification, the candidate must fulfill the following requirements:

- Complete the online academic modules, quizzes, and exam.
- Present and pass at least one academic teaching presentation
- Present and pass at least one confined water presentation
- Present and pass at least one open water presentation
- Each in-water presentation will consist of 2 skills.
- Evaluate and pass at least one academic teaching presentation
- Evaluate and pass at least one confined water presentation
- Present and pass a full twinset skill circuit to a high standard

- Evaluate and pass at least one open water presentation
- Present and pass at least one practical application

NOTE: These sessions can be role play or with actual new RAID Twinset students.

IV.a Experienced Instructor Trainer Accreditation

A RAID Instructor Trainer that is certified as a RAID open circuit Deco 40, 50 or 60 Instructor Trainer that has prior twinset teaching experience, may contact their RRO to receive their Twinset Instructor Trainer certification by direct application.

V. Instructor Trainer Candidate to HQ Instructor Trainer Ratios

Confined Water

- Maximum ratio: 6:1 with a maximum depth of 6m/21ft

Open Water

- Maximum ratio: 6:1 with a maximum depth of 40m/130ft

VI. In Water Training

To be certified, the student must complete these requirements:

- **Confined water:** Adequate time to show mastery of all skills.
- **Open water:** A minimum of 2 dives

IX. Equipment Requirements

- Refer to “Equipment Requirements” in the RGDS.

X. Certification

This certification allows Twinset Instructor Trainers to conduct RAID Twinset Instructor training.

INSTRUCTOR EXAMINER

I. Purpose

Instructor Examiners evaluate open circuit instructor candidates that have completed their IDP with another Instructor Trainer.

II. Student Prerequisites

An instructor applying for this rating:

- Be a minimum of 21 years old.
- Be a RAID Open Circuit Instructor Trainer for at least 12 months.
- Be a RAID Open Circuit Instructor for at least 24 months.
- Have a minimum of 300 logged hours underwater.
- Certified a minimum of 200 RAID students.
- Certified a minimum of 10 RAID open circuit instructors and conducted a minimum of 3 complete IDP’s.
- Submit current Resuscitation, First Aid and Oxygen Provider certificates.
- Medical signed by a Medical Physician stating the holder is fit to dive.
- The candidate is to have no verified quality assurance issues in the last 24 months.
- Certify all students exclusively through RAID.
- Applications must be approved by the RRO, DRI Training Department.
- Attend and audit a complete IDP conducted by a DRI appointed instructor trainer.

III. Student to instructor Ratios

The maximum candidate-to- examiner ratios are:

- 8 Candidates: 1 HQ approved examiners

IV. Depth Limitations During Training

In confined water, the maximum depth must not exceed 5 meters/15 feet.

In open water, the maximum depth must not exceed 20 meters/66 feet.

V. Supervision

Program is conducted by Dive RAID International Training Department.

VI. Equipment Requirements

- Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

- Complete the skills requirements as detailed in the IDP guide including, but not limited to:
 - Skill development in candidates.
 - Instructional, evaluation and critique techniques.
 - RGDS comprehension.
 - Counselling techniques.
- The duration of the program must be a minimum of 60 hours.
- Participate and pass evaluation sessions for academic, confined water and open water
- Confined water and Open Water sessions duration will depend on location, logistics, candidate ability to achieve mastery and number of candidates.
- The candidates will be evaluated for their suitability for the required role and are required to meet the minimum score criteria for each skill.

VIII. In-Water Training

- Candidates will be required to achieve a minimum score for all skill demonstrations.
- Candidates must evaluate a minimum of 2 Confined and 2 Open Water presentations.

IX. Certification

This certification enables Examiners to conduct independent, Instructor Examinations.

To maintain status:

- Examiners are required to evaluate at least 1 IDP candidate per calendar year.
- Teach exclusively RAID programs.
- Annually sign the Examiner agreement.

INSTRUCTOR TRAINER-TRAINER (ITT)

I. Purpose

Instructor Trainer – Trainer is a Dive RAID International appointed certification that allows the holder to conduct head office approved Instructor Trainer Programs. This pinnacle certification exemplifies the candidate’s commitment to RAID and rewards them with the highest possible accolade in scuba education.

II. Student Prerequisites

An instructor applying for this rating:

- Be a minimum of 25 years old.

- Work full time in the diving industry.
- Be a RAID Open Circuit Instructor Trainer for at least 24 months.
- Be a RAID Open Circuit Instructor Examiner for at least 12 months.
- Have a minimum of 500 logged hours underwater.
- Certified a minimum of 250 RAID students.
- Certified a minimum of 15 RAID open circuit instructors.
- Submit current Resuscitation, First Aid and Oxygen Provider certificates.
- Medical signed by a Medical Physician stating the holder is fit to dive.
- The candidate is to have no verified quality assurance issues in the last 24 months.
- Certify all students exclusively through RAID.
- Applications must be approved by the RRO, DRI Training Department and DRI Board. Certification is not guaranteed.
- Attend and audit a complete ITP conducted by the DRI Training Department.

III. Student to instructor Ratios

The maximum candidate-to- Examiner ratios are:

- 8 Candidates: 1 HQ approved Examiners

IV. Depth Limitations During Training

In confined water, the maximum depth must not exceed 5 meters/15 feet.

In open water, the maximum depth must not exceed 20 meters/66 feet.

V. Supervision

Program is conducted by Dive RAID International Training Department.

VI. Equipment Requirements

- Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

- Complete the skills requirements as detailed in the ITP guide including, but not limited to:
 - Skill development in candidates.
 - Instructional, evaluation and critique techniques.
 - RGDS comprehension.
 - The importance of risk management.
 - The business of diving.
 - Counselling techniques.
- Participate and pass evaluation sessions for academic, confined water and open water
- The duration of the program must be a minimum of 100 hours.
- Confined water and Open Water sessions duration will depend on location, logistics, candidate ability to achieve mastery and number of candidates.
- The candidates will be evaluated for their suitability for the required role and are required to meet the maximum score criteria for each skill.

VIII. In-Water Training

- Candidates will be required to achieve the maximum score for all skill demonstrations.
- Candidates must evaluate a minimum of 2 Confined and 2 Open Water presentations.

IX. Certification

This certification enables IT Trainers to conduct independent, **HQ approved** ITP's.

To maintain status:

- IT Trainers are required to train at least 1 ITP candidate per calendar year.

- Teach exclusively RAID programs.
- Annually sign the IT Trainer agreement.
- Will be required to attend an in person RAID Update Meeting (R.U.M.) when they are held.

PROFESSIONAL CROSSOVERS

DIVEMASTER CROSSOVER

I. Purpose

This course is designed to crossover a Divemaster in good standing from a recognized training agency to become a RAID Divemaster.

II. Candidate Prerequisites

A candidate taking this course must:

- Be a minimum of 18 years old.
- Be certified as a divemaster with an approved agency.
- Must have no outstanding quality assurance investigations or violations (within the last 12 months).
- Have Nitrox and Deep 40 diver certifications or equivalent.
 - If the candidate does not have these certifications, Nitrox and Deep 40 diver programs must be completed during the crossover process before the candidate can earn their RAID DM status.
- Submit current approved First Aid and Oxygen Administration certifications.
- Submit a valid Medical Statement signed by a licensed medical practitioner within the past 12 months.

III. Candidate-to-Crossover Trainer Ratios

- The candidates-to-crossover trainer ratio is 8 Candidates: 1 Crossover Trainer.

IV. Depth Limitations During Training

In confined water, the maximum depth must not exceed 5 meters/15 feet.

In open water, the maximum depth must not exceed 20 meters/66 feet.

For the Deep 40 diver workshop (when applicable), the maximum depth must not exceed 40 meters/130 feet.

V. Supervision

All training must be conducted and evaluated by an HQ or RRO approved RAID Divemaster instructor or higher and they must supervise all segments of training.

To qualify to teach the Divemaster Crossover, Divemaster instructors must meet the following criteria:

1. Written approval from RAID HQ or local RRO.
2. Must attend at least one crossover training program with an approved RAID XO Instructor, RAID instructor Trainer or Examiner.
3. Affiliated Dive Center: The dive center website must advertise RAID and that they provide crossover training.

VI. Equipment Requirements

Refer to "Equipment Requirements" in the RGDS.

VII. Course Requirements

The candidate must fulfill the following requirements.

1. Complete and pass the online academic modules, quizzes, and exams for the Divemaster program.
2. Complete the RAID crossover orientation including:

1. The Crossover Presentation.
2. In water evaluation (in person or via seamless one-shot video where approved).
3. Complete the practical assessment, either in person with an HQ or RRO approved RAID Divemaster instructor or higher.
4. [The XO instructor may use their discretion to determine whether the in-water presentations are required.](#)

VIII. In-Water Training

There is no minimum amount of time in-water.

IX. Certification

Upon successfully passing the Divemaster Crossover program and activating membership, the divemaster may independently participate in all training programs as outlined in the IDP and the RAID General Diving Standards through a RAID Dive Center.

INSTRUCTOR CROSSOVER

I. Purpose

This course is designed to crossover an instructor in good standing from a recognized training agency to become a RAID instructor.

II. Candidate Prerequisites

A candidate taking this course must:

- Be certified as an instructor with an approved agency.
- Must have no outstanding quality assurance investigations or violations (within the last 12 months).
- Have Nitrox and Deep 40 instructor certifications or equivalent.
 - If the candidate does not have these certifications, Nitrox and Deep 40 instructor programs must be completed during the crossover.
- Submit valid equivalent instructor and specialty instructor certifications.
- Submit current approved First Aid and Oxygen Administration certifications.
- Submit a valid Medical Statement signed by a licensed medical practitioner within the past 12 months.
- Submit a copy of diving instructor liability insurance, where applicable.

III. Candidate-to-Crossover Trainer Ratios

The candidates-to-crossover trainer ratio is 8 Candidates: 1 Crossover Trainer.

IV. Depth Limitations During Training

In confined water, the maximum depth must not exceed 5 meters/15 feet.

In open water, the maximum depth must not exceed 20 meters/66 feet.

For the Deep 40 instructor workshop (when applicable), the maximum depth must not exceed 40 meters/130 feet.

V. Supervision

All training must be conducted and evaluated by an HQ or RRO approved RAID Master Instructor or Instructor Trainer. The Master Instructor or Instructor Trainer must supervise of all segments of training.

To qualify to teach the instructor Crossover, Master instructors must meet the following criteria:

- Written approval from RAID HQ or local RRO.
- Must attend at least one crossover training program with an approved RAID instructor Trainer or Examiner.
- Affiliated Dive Center: The dive center website must advertise RAID and that they provide crossover training.

To qualify to teach the instructor Crossover, instructor Trainers and MIs must meet the following criteria:

- Written approval from RAID HQ or local RRO.

Affiliated Dive Center: The dive center website must advertise RAID and that they provide crossover training.

NOTE: If a crossover candidate does not have existing recognized certifications as a nitrox and/or a deep instructor, earning these specialties must be part of the crossover process. Therefore, the instructor crossover must be conducted by a RAID instructor Trainer or Examiner.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

The candidate must fulfill the following requirements.

- Complete and pass the online academic modules, quizzes, and exams for the IDP and Open Water 20 programs.
- Complete the RAID instructor crossover orientation including:
 - The Crossover Presentation.
 - In water evaluation (in person or via seamless one-shot video where approved).
 - Orientation with IDP AND instructor Playbook.
 - Complete the practical assessment, either in person or using the REMOTE-Training crossover format, with an HQ or RRO approved RAID XO Instructor RAID instructor Trainer or Master instructor.
 - **The XO instructor trainer may use their discretion to determine whether the in-water presentations are required.**

VIII. In-Water Training

There is no minimum amount of time in-water.

IX. Certification

Upon successfully passing the instructor Crossover program and activating the instructor membership, the instructor may independently teach all programs as outlined in the IDP and the RAID General Diving Standards through a RAID Dive Center.

INSTRUCTOR TRAINER CROSSOVER

I. Purpose

This course is designed to crossover an instructor trainer in good standing from a recognized training agency to become a RAID instructor.

II. Student Prerequisites

A student taking this course must:

- Be an Instructor Trainer/Course Director from a recognized agency
- First Aid Instructor Trainer
- Oxygen Provider Instructor Trainer
- Submit a valid Medical Statement signed by a licensed medical practitioner within the past 12 months.
- Submit a copy of diving instructor liability insurance, where applicable.
- Must have no outstanding quality assurance investigations or violations (within the last 12 months).
- **Must have trained at least 10 RAID students.**

III. Student to Instructor Ratios

The maximum Instructor Trainer to Instructor Evaluator is:

Age: 21 Years Old

- 2 Instructor Trainers :1 Instructor Evaluator

IV. Depth Limitations During Training

Training dives must not exceed the maximum depth of 20 meters/66 feet.

V. Supervision

All training must be conducted by an Instructor Evaluator appointed by Head office. The Instructor Evaluator must be physically present and in direct supervision of all segments of training.

A certified assistant must be an instructor or higher. VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

To earn certification, the student must fulfill the following requirements.

1. Complete the online academic modules, quizzes, and exam.
2. Complete the Pro Skill circuit

VIII. In-Water Training

To be certified, the student must complete these requirements.

- Minimum of 2 confined water dives with no minimum time requirement
- Minimum of 2 open water dives with at least 1 hour of underwater training

IX. Certification

The Instructor Trainer certification will allow the Cross Over Instructor Trainer to teach the Instructor Development Program to eligible candidates.

SIDEMOUNT INSTRUCTOR TRAINER CROSS OVER

As per the standards for INSTRUCTOR TRAINER PREREQUISITES above.

- Cross over instructors Trainers need to complete a RAID IT cross over program and then a RAID Sidemount IT cross over.
- instructors must submit proof of equivalent status and logged dives.

CROSS OVER INSTRUCTOR TRAINER

I. Purpose

This course is designed to give approved Master Instructors the knowledge to complete Instructor and Divemaster cross overs for candidates from other agencies.

Cross Over Instructors will be allowed to cross over the following recreational courses:

- Divemaster
- Instructor
- Try Dive Instructor
- Divemaster Instructor
- Nitrox Instructor
- Deep Instructor
- Navigation Instructor, Search and Recovery Instructor, Night and Limited Visibility Instructor, Wreck Instructor, Boat Instructor, Digital Photography Instructor, Drift Diver, Eco diver, Equipment Instructor, First Aid Instructor, Oxygen Administration Instructor.
- If the Cross Over instructor is qualified as an instructor in the following, they can cross over these ratings.
 - o Sidemount Instructor (Workshop required)
 - o Advanced Wreck Instructor (Workshop required)
 - o DPV Instructor (Workshop required)
- All technical courses and courses not listed here need additional workshops run by an suitably qualified RRO approved trainer.

II. Student Prerequisites

A student taking this course must:

- Be certified as a RAID Master Instructor.
- Be a minimum of 21 years old.
- Submit an application to HQ or your local RRO.
- Provide all documentation as required by the RGDS.
- Complete all required online quizzes and exams.
- Attend a training program conducted by a RAID HQ or RAID Regional Office (RRO) approved trainer.

III. Student to Instructor Ratios

- The candidates-to-crossover trainer ratio is 8 Candidates: 1 Crossover Instructor Trainer.

IV. Depth Limitations During Training

- In confined water, the maximum depth must not exceed 5 meters/15 feet.
- In open water (when applicable), the maximum depth must not exceed 20 meters/66 feet.
- For the Deep 40 diver workshop (when applicable), the maximum depth must not exceed 40 meters/130 feet.

V. Supervision

All training must be conducted by a RRO appointed Instructor Examiner or RAID HQ. This instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a Divemaster Instructor or higher.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

To earn certification, the student must fulfill the following requirements.

1. Complete and pass the online academic modules, quizzes, and exams for the Instructor Development Program Cross Over.
2. Complete the RAID instructor crossover orientation including:
 - a. The Crossover Presentation.
 - b. Orientation with IDP AND instructor Playbook.
 - c. Academic evaluations.
 - d. In water evaluations.
 - e. [Participate in the online dynamic quality assurance and certification role play workshop.](#)
 - f. Pro skill evaluation – Open Circuit

VIII. In-Water Training

To be certified, the student must complete these requirements.

- Complete the Pro skill evaluation assessment, with an HQ or RRO approved Instructor Trainer or RAID Examiner.

IX. Certification

The Cross Over Instructor Trainer certification entitles approved Master Instructors to conduct cross overs with Divemaster and Instructors from other agencies. Certifications can be given according to the above list.

TEACHING TECHNICAL PROGRAMS

INTRODUCTION

This section of the RGDS covers standards for courses that subject every participant (students, instructors, and assistants) to an increased level of risk. Accordingly, when running a RAID technical program, our instructors must follow standards and guidelines from both the RAID General Diving Standards (above) and the technical program standards relating directly to each specific course covered below. In the case of conflict, or in case of doubt, a RAID professional is expected to follow the most conservative guidelines in their personal diving as well as when teaching and guiding.

Also, RAID HQ has a policy of updating standards frequently. These changes are driven by input from industry governing bodies, from RAID members, feedback from students and support personnel, and community norms. Therefore, it is a requirement that instructors delivering technical programs always check for the latest version of standards available from the RAID Website.

A NOTE ON EXPECTATIONS, OUTCOMES, HEALTH

Technical Programs by their nature demand a detailed and thoughtful approach from instructors, students, and support personnel. As such, allowances should be made to allow for students to master skills thoroughly. This is a critical part of ANY RAID program but is an absolute must in technical diving. This often results in courses that run considerably longer and require more dives and in-water time than stated in minimum standards. The potential outcome of this extra time and effort to the course budget for time and cost must be understood by all Students.

Also, graduates from any technical programs enjoy a higher-than-average profile among their community. And as such, their behavior during pre-dive, during dives themselves, and during dive-debriefs and kit breakdown sets an example. Whether that example is positive or not depends in some part to the quality of instruction they enjoyed during technical training. Be aware that as a technical instructor, you are developing community influences.

Generally, technical diving requires more stamina than pure recreational diving. No agency can honestly expect to mandate specific fitness levels for its students or instructors, but we do outline swim tests and stamina exercises for various programs. These can be used as a benchmark for general diver (and instructor) fitness. As a RAID technical instructor you are expected to promote general fitness and demonstrate exercises to develop and maintain physical and mental strength.

Consider too that the learning environment should support success. Therefore, considerations should be made to adjust student to instructor ratios when temperature, visibility, and variable currents present a special challenge.

SWIM TEST

Several RAID diver and instructor programs require participants to demonstrate their basic fitness and swimming skills before starting their training.

The general “readiness assessment” is a swim test. An excellent strategy is to advise students what’s expected of them and give them time and an opportunity to practice beforehand, so that when they start the IN-WATER TRAINING, they can easily pass the requirements.

In deep water while wearing full tequipment appropriate to the course, candidates must:

- Swim 300 meters/ 300 yards underwater continuously, without stopping while recording a gas consumption calculation (SAC Rate).
- Tow an inert diver who is also fully equipped with full technical scuba equipment, for 150 meters/ 150 yards.

PRO SKILLCIRCUIT DEMONSTRATION

In a pool or confined water instructors must demonstrate and pass the following technical skills. Scores are awarded as per the standard RAID evaluation criteria.

- S-Drill
- Neutral buoyancy and trim.
- Frog Kick

- Reverse Kick
- Proper regulator switch procedures.
- Gas Sharing Stationary
- Gas sharing swim and ascent.
- SMB deployment while hovering.
- Lost mask procedures.
- Stage remove and replace underwater
- Stage exchange whilst neutrally buoyant
- Gas Switch
- Major Shutdown, Right Hand Side
- Major Shutdown, Left Hand Side
- Full Diagnostic Shutdown

Additional Sidemount Skills

- Right cylinder remove and replace underwater.
- Partial cylinder removal with both cylinders.
- Failed Bungee.
- Free flow second stage – feathering
- Shutdown right hand side while hovering.
- Shutdown left hand side while hovering
- Valve Roll Off.

NOTE: ALL SKILLS MUST BE COMPLETED NEUTRALLY BUOYANT

OPEN CIRCUIT TECHNICAL PROGRAM STANDARDS

DECO 40 DIVER PROGRAM

The standards for this program are also present in the recreational specialty standards since it is a truly transitional program that is suitable as a steppingstone for divers wanting to begin technical diving but is also intended to be an apex program for recreational divers.

I. Purpose

This course is designed to safely train students to:

- Dive to a maximum depth of 40 meters/130 feet.
- Use air, nitrox, oxygen and trimix (where applicable)
 - The END/EAD for trimix must not exceed 30 meters/100 feet.
- Complete a maximum of 10 minutes decompression while using a bailout cylinder for safety.
 - Bailout must be breathable at the maximum dive depth.
 - Bailout must have sufficient volume to complete a safe ascent including the required decompression plus sufficient reserve to share gas with a buddy for the full 10-minute stop.
- Use a higher oxygen content nitrox (up to 100% oxygen) in a separate single (one only) stage cylinder to extend no decompression dive times by using multi-level dive profile and gas switch dive procedures.
 - Bottom or back gas and bailout gas may have a maximum PO₂ of 1.4 at depth.
 - The multi-level extended no stop gas must have a maximum PO₂ of 1.4.

Note: The Deco 40 Course is not an optimized decompression course but is intended as a tech-lite program for recreational divers who wish to conduct deep dives using a superior risk management strategy. It may also be considered a good first step in a structured technical diving education.

II. Student Prerequisites

- Be a minimum 18 years old.
- Have been certified diver for at least 3 months.
- Be certified as a RAID Explorer 30 or RAID Advanced 35 diver or equivalent.
- Be certified as a RAID Nitrox and RAID Deep 40 diver or equivalent.
- Have a minimum of 20 logged hours underwater or 40 dives using open circuit.
- Be able to complete the required swim and stamina tests.
- Complete the registration process, including all mandatory paperwork.

Note: Students participating in the program using sidemount configuration must be certified as RAID Sidemount Divers or equivalent

III. Student to instructor Ratios

Confined Water

A maximum of 6 students: 1 instructor

Open Water

A maximum of 4 students: 1 instructor

IV. Depth Limitations During Training

Training dive depth limits of individual dives are outlined in the Deco 40 training materials. Overall, training dives must not exceed the maximum depth 6 meters / 20 feet in confined water and 40 meters / 130 feet in open water. At least two dives should be deeper than 35 meters / 115 feet.

V. Supervision

A certified RAID Deco 40 instructor is defined as an in-status RAID Deco 40 (open circuit) instructor or higher.

All training must be conducted by an instructor. The instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a RAID Divemaster or higher who is certified as a Deco 40 diver or higher.

Note: instructors who are certified as OC Deco 40 and CCR Deco 40 instructors or higher, may use the rebreather they are certified to teach while conducting Deco 40 training dives where skills pertinent to open circuit diving will not be demonstrated. This standard ONLY applies to open water dives.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS for single tank, sidemount or twinset configurations.

VII. Course Requirements

To earn certification, the student must fulfill the following requirements:

- Complete the online academic modules, quizzes, and exam.
- Complete all the skill requirements as outlined in the instructor Guidelines for Confined Water Training and Open Water Training.
- Before commencing confined water training students must pass the following:
- In deep water, while wearing full equipment, swim 300m / 300 yards underwater continuously, without stopping while recording a gas consumption calculation (SAC Rate).
- In deep water while wearing full equipment, tow an inert diver who is also fully equipped with full technical scuba equipment, for 150m / 150 yards on the surface.

VIII. In-Water Training

To be certified as a Deco 40 diver, the student must complete these requirements.

- Minimum of 1 confined water dives with no minimum time requirement
- Minimum of 4 open water dives with at least 3 hours of underwater training

IX. Certification

The Deco 40 certification entitles the holder to dive with a certified dive buddy to a maximum depth of 40m/ 130 feet in conditions similar or better than those experienced during training using air, nitrox or trimix with a maximum decompression schedule of 10 minutes.

DECO 50 DIVER PROGRAM

I. Purpose

This course is designed to safely train students to:

- Dive to a maximum depth of 50 meters/165 feet.
- Use air, nitrox, trimix and oxygen.
 - The END/EAD for trimix must not exceed 30 meters/100 feet.
 - The minimum oxygen content for bottom (back) gas is 21%.
- Complete a maximum of 30 minutes staged decompression.
- Use a minimum of one (stage cylinder/ side slung) decompression gas containing dedicated decompression gas up to and including 100% O₂ for optimized decompression obligations.

This program is a technical program for twinset and technical sidemount users only.

II. Student Prerequisites

- Be a minimum of 18 years old.
 - Be a certified diver for at least 6 months.
 - Be certified as a RAID Nitrox, Deep 40 and Master Rescue Diver (or equivalent)
 - Have logged 50 hours underwater or 75 dives using open circuit
 - Must have logged at least 5 hours between 25–40m/85-130 feet
 - Students participating in this program on sidemount, must be certified as RAID sidemount divers or equivalent
 - Submit current Rescue Breathing, CPR Training and Oxygen Provider certificates.
- Documented proof of prerequisite requirements must be presented to the Dive Centre for approval prior to any in water training.

III. Student to instructor Ratios

Use your discretion as a RAID instructor to determine whether the conditions warrant reducing the maximum ratios as stated below. Always consider group control and student safety.

Confined Water or Pool Training

- Maximum ratio: 4:1 with a maximum depth of 6m
- 6:1 with a maximum depth of 6m with a certified RAID Assistant

Note: It is highly recommended that a certified RAID assistant be utilized.

Open Water Training

- Maximum ratio: 3:1 (4:1 with a certified RAID Assistant)

IV. Depth Limitations During Training

Depth limits for training dives are outlined in the Deco 50 training materials. Training dives must not exceed the maximum depth 6 meters / 20 feet in confined water and a maximum of 50 meters / 165 feet in open water.

V. Supervision

A certified RAID Deco 50 instructor is defined as an in-status RAID Deco 50 (open circuit) instructor or higher. The instructor must be a RAID sidemount instructor to teach Deco 50 in sidemount configuration.

All training must be conducted by an instructor. The instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a RAID Divemaster or higher who is certified as a Deco 50 diver or higher.

Note: instructors who are certified as OC Deco 50 and CCR Deco 50 instructors or higher, may use the rebreather they are certified to teach while conducting Deco 50 training dives where skills pertinent to open circuit diving will not be demonstrated. This standard ONLY applies to open water dives.

VI. Equipment Requirements

Twinset Configuration

Refer to Twinset Equipment Configuration in the Equipment section.

Sidemount Configuration

Refer to the Sidemount Equipment Configuration in the Equipment section.

Decompression or Stage Cylinder Configuration

- Oxygen clean DIN regulators with SPG on a short HP hose (e.g. 15 cm/6 inch) for optimized decompression mix.
- Side Slung Decompression Cylinder/s (minimum 7L cylinder, recommended 11L / 80cf.)

Additional equipment required:

- Accessories & Exposure Protection
- 1 x mixed gas (Helium) dive computer
- 1 x backup mixed gas computer or digital dive timer
- 1 x wetnotes
- 1 x Orange SMBs and reel/spool
- 1 x Yellow SMBs and reel/spool
- 2 x knives/cutting devices
- 1 x Primary Mask
- 1 x Backup Mask
- 1 x dive light
- 1 x exposure suit – If a dry suit must be worn the dry suit and BCD connectors must be compatible with either inflator hose.
- Smartphone, Tablet or Laptop with Deco Software
- Access to an Oxygen and Helium analyzer
- First aid and emergency oxygen kit

VII. Course Requirements

To earn certification, the student must fulfill the following requirements:

- Complete the online academic modules, quizzes, and exam.
- All confined and open water skills are completed and signed off through the RAID Website by both the instructor and student.
- Complete the swim test
- The student has logged all their training dives online in their personnel logbook
- The RAID Dive Centre has confirmed certification online through the RAID website.

VIII. In-Water Training

- Confined water: 1 hour underwater
- Open water: 5 hours underwater
- Minimum Dives: 1 confined water dive and 8 in open water

UPGRADING FROM DECO 40 TO DECO 50

Students who have already completed the Deco 40 program must attend a Confined Water Skills workshop where all the additional Deco 50 skills will be presented.

They must also participate in dives 5, 6, 7 and 8 as a minimum; however, it would be prudent to do at least one additional checkout dive prior to dive 5 to confirm the diver's skill level.

IX. Certification

The Deco 50 certification entitles the holder to dive with a certified dive buddy to a maximum depth of 50m/ 165 feet in conditions similar or better than those experienced during training using air, nitrox or trimix with a maximum decompression schedule of 30 minutes.

DECO 60 DIVER PROGRAM

I. Purpose

This course is designed to safely train students to:

- Dive to a maximum depth of 60 meters / 200 feet.
- Use air, nitrox, trimix and blended standard or custom mixes for planned depths including 100 percent oxygen
 - The END / EAD for trimix must not exceed 30 meters/100 feet or a PO₂ of 1.4 for bottom mixes, 1.6 for decompression mixes.
- Complete optimized decompression dives within gas planning protocols, without any time limitations.
- Use two decompression gases of up to 100% O₂ for optimized decompression obligations.
- This program is a technical program for twinset and technical sidemount users only.

II. Student Prerequisites

- Be a minimum of 18 years old.
- Be certified as a RAID Master Rescue Diver and DECO 50 (or equivalent).
- Submit current Rescue Breathing, CPR Training and Oxygen Provider certificates.
- Have logged 65 hours underwater or 100 dives using open circuit.
- Must have logged at least 20 hours between 30 – 50m.
- Have a minimum of 10 logged decompression dives.
- Documented proof of prerequisite requirements must be presented to the Dive Centre for approval prior to any in water training.

III. Student to instructor Ratios

Use your discretion as a RAID instructor to determine whether the conditions warrant reducing the maximum ratios as stated below. Always consider group control and student safety.

Confined Water Training

- Maximum ratio: 4:1 with a maximum depth of 10 meters

Open Water Training

- Maximum ratio: 3:1 instructor
- 4:1 with a Certified RAID Assistant when conditions such as current, visibility and water temperature are favourable, otherwise the use of a certified assistant does not affect ratios.

VI. Equipment Requirements

Twinset Configuration

Refer to Twinset Equipment Configuration in the Equipment section.

Sidemount Configuration

Refer to the Sidemount Equipment Configuration in the Equipment section.

Decompression or Stage Cylinder Configuration

- Each side slung cylinder must have an oxygen clean DIN regulator with SPG on a short HP hose (e.g. 15 cm/6 inch)
- Each cylinder must have its contents analyzed and labelled as per RAID Standards for an optimized decompression mix.
- Each cylinder must be a minimum of 7L, recommended 11L / 80cf.

V. Supervision

A certified RAID Open Circuit DECO 60 instructor is defined as an insured RAID Open Circuit DECO 60 instructor or higher. An instructor wishing to teach Deco 60 to Sidemount students must be a RAID Sidemount instructor and a RAID Deco 60 instructor.

Note: instructors who are certified as OC Deco 60 and CCR Deco 60 instructors or higher, may use the rebreather they are certified to teach while conducting Deco 60 training dives where skills pertinent to open circuit diving will not be demonstrated. This standard ONLY applies to open water dives.

Certified raid assistant

A RAID Divemaster or higher who is certified as a Deco 60 diver or higher.

IV. Depth Limitations During Training

Training dive depth limits are outlined in the Deco 60 training materials. Training dives must not exceed the maximum depth 6 meters / 20 feet in confined water and a maximum of 60 meters / 200 feet in open water.

VII. Course Requirements

To earn certification, the student must fulfill the following requirements:

- 1) Complete and pass all online academic modules, quizzes, and exam.
- 2) Pass the swim and stamina/stress tests as appropriate.
- 3) Complete all the skill requirements as outlined in the instructor Guidelines for Confined Water Training and Open Water Training.
- 4) All confined and open water skills are completed and signed off through the RAID Website by both the instructor and student.
- 5) The student has logged all their training dives on-line in their personnel "e-Logbook".
- 6) The RAID Dive Centre has confirmed certification online through the RAID web site and uploaded any relevant documentation.

VIII. In-Water Training

For the instructor to be able to incorporate all the skills required in this course, the dive times specified are the minimum allowable:

Confined water: 1.5 hours (90minutes)

Open water: 5 hours (300 minutes)

Minimum Dives 1 confined dive and 5 in open water

Note: The instructor must show demonstration mastery of all skills necessary for certification. To clarify this point, when an instructor is teaching twinset and Sidemount students at the same time, the instructor must have access to both configurations and demonstrate the skill procedures for each configuration separately in confined water.

The instructor must be present at all times and in direct supervision, during this course.

IX. Certification

This course is designed to safely train students to dive to a maximum depth of 60 meters / 200 feet, using air, nitrox, trimix and blended standard or custom mixes and using two decompression gases up to 100% O₂ for optimized decompression obligations. This program is a technical program for twinset and technical sidemount users only.

CAVERN DIVER PROGRAM

I. Purpose

This course is designed to safely train students in the established procedures and protocols to dive in an overhead environment while being within the light zone at all times, without incurring any decompression obligations and within course limits outlined below.

II. Candidate Prerequisites

- Be a minimum of 18 years old.
- Be a certified diver for at least 3 months.
- Must have logged 20 hours underwater or 25 dives using open circuit.
- Be certified as a RAID Deep 40 or equivalent or RAID Explorer 30 or equivalent should any training dives to be conducted deeper than 18 meters / 60 feet.
- Must be certified as a sidemount diver or twinset diver if using that configuration.

III. Student to instructor Ratios

- Confined Water or Pool Training: Maximum ratio: 6:1 with a maximum depth of 6 meters /20 feet
- Overhead Training: - Maximum ratio: 4:1
- It is highly recommended that a certified RAID assistant be utilized. The use of a certified RAID assistant does not affect ratios but is recommended as a contingency “buddy” in the cave environment. Ratios should be reduced if conditions are less than ideal.

IV. Depth Limitations During Training

Training dive depth limits are outlined in the Cavern training materials. Training dives must not exceed the maximum depth 6 meters / 20 feet in confined water and a maximum of 40 meters / 130 feet in open water, core level certification applies.

IVa. Visual Limitations During Training

Training dives must be conducted in conditions where the starting visibility is a minimum of 10 meters / 30 feet. Primary lights must have a manufacturer’s recommended burn time a minimum of one hour more than the duration of planned dives.

IVb. Gas Limitations During Training

Cylinders must be filled to 200bar/3000psi and the minimum cylinder size is 11.1 liters/80 cubic feet.

Students may use a maximum of one third of starting pressure of a single cylinder for penetration into the overhead. Calculation of thirds must allow a generous additional gas reserve. Students using twinset or sidemount configuration will be limited to 1/6 of their available gas supply.

Students may use air or nitrox for bottom mix calculated at maximum of 1.4 PO₂ in deepest cave passage. (N.B. Trimix may be used if students (and instructor) are certified. The END / EAD for trimix must not exceed 30 meters / 100 feet and deliver a maximum PO₂ of 1.4 bar.

IVc. Penetration Limitations During Training

Dives must follow a permanent guideline.

No passages or restrictions through which divers are required to swim in single file.

No jumps allowed

Maximum penetration of 60 linear meters / 200 feet from the surface.

All cavern training dives must be conducted during day light hours and may not be started 90 minutes before sunset.

V. Supervision

A certified RAID Cavern instructor or Cave 1 instructor or higher.

- A Cavern instructor wishing to teach students in sidemount, must be a RAID Sidemount instructor.
- A Cavern instructor wishing to teach students in twinset, must be a RAID Twinset Instructor.

The instructor must always be present and in direct supervision of ALL segments of training during this course.

A certified assistant must be a RAID divemaster or higher who is also certified as a RAID Cave 1 diver or higher but does not affect ratios.

VI. Equipment Requirements

Single cylinder (with or without H or Y valve) of adequate capacity for the planned dive. A minimum of a 11.1 liters/80 cubic feet cylinder is highly recommended.

- A DIN First stage with:
 - One primary regulator with 2m / 7ft hose including piston clip for clipping off regulator.
 - One low-pressure inflator hose for BCD an additional hose for Dry suit if applicable.
 - One backup regulator with standard hose fitted with neck bungee.
 - One SPG with piston clip for attaching to D Ring when stowed.

OR

- A standard recreational regulator setup:
 - Fitted with a 2m / 7ft hose fitted to the primary regulator.
 - Buoyancy Compensator
 - Standard BCD or backplate and wing with harness with adequate lift for the environment.

Twinset Configuration

Refer to Twinset Equipment Configuration in the Equipment section.

Sidemount configuration

Refer to the Sidemount Equipment Configuration in the Equipment section

NOTE: Students using twinset or sidemount configuration will be limited to 1/6 of their available gas supply.

Additional required cavern specific equipment per student (unless noted):

- One cutting device.
- Primary dive light (with burn time at least one hour longer than planned dive time.)
- One fully charged backup lights each with a manufacturer's burn time at least one hour.
- A minimum of 3 Personalized Directional markers (Arrows), two marked for lost buddy scenario.
- A minimum of 3 personalized Non-directional markers (Cookies or REMs).
- One personal safety spool (to be carried by each student at all times)
- One jump spool or cavern reel per student
- One primary reel per student team
- Spare mask

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

- All Quizzes and exams are completed and passed.
- All confined and Open Water skills are completed and signed off through the RAID Website by both the instructor and student.
- The student has logged all their training dives online in their personal RAID eLogbook.
- The RAID Dive Centre has confirmed certification online through the RAID website.

VIII. In-Water Training

Dive times for the DIVER course are a minimum of:

- Confined water: Adequate time to show mastery of all skills.
- Overhead: A minimum of 4 hours (240 minutes) in the overhead environment.
- A minimum of at least four penetrations in the overhead environment.
- A minimum of 3 hours of land drills, dryland instruction, kit configuration and dive debriefing.

NOTE: No student may be allowed to enter the overhead until he/she has demonstrated control of buoyancy (hover within plus or minus 50 centimeters / 20 inches) and mastery of non-silt propulsion techniques and backwards kick.

IX. Certification

This certification allows divers to safely and efficiently conduct dives with a similarly certified buddy within the limits of their core level certification and experience in an overhead cavern environment within the light zone to a maximum penetration of 60 linear meters / 200 feet from the surface.

CAVE 1 (C1) DIVER PROGRAM

I. Purpose

This course is designed to safely train students in the established procedures and protocols to dive in an overhead environment, without incurring any decompression obligations and within course limits outlined below.

Note: Although Cave 1 is not a decompression course, RAID suggests that each dive concludes with a minimum of a three-minute safety stop between 6 meters/20 feet and 3 meters/10 feet where practical.

II. Candidate Prerequisites

- Be a minimum of 18 years old.
- Be a certified diver for at least 3 months.
- Be certified as a RAID Nitrox Diver or equivalent.
- Must have logged 50 hours underwater or 75 dives using open circuit.
- Be a certified RAID Sidemount diver or equivalent if using Sidemount configuration.

III. Student to instructor Ratios

- Confined Water or Pool Training: Maximum ratio: 6:1 with a maximum depth of 6m
- Overhead Training: - Maximum ratio: 3:1
- It is highly recommended that a certified RAID assistant be utilized. The use of a certified RAID assistant does not affect ratios but is recommended as a contingency “buddy” in the cave environment.

IV. Depth Limitations During Training

Training dive depth limits are outlined in the Cave One training materials. Training dives must not exceed the maximum depth 6 meters / 20 feet in confined water and a maximum of 40 meters / 130 feet in open water.

IVa. Visual Limitations During Training

Training dives must be conducted in conditions where the starting visibility is a minimum of 10 meters / 30 feet. Primary lights must have a manufacturer’s recommended burn time a minimum of one hour more than the duration of planned dives.

IVb. Gas Limitations During Training

The starting volume for all dives in an overhead environment must be at least 2800 litres / 100 cubic feet in primary cylinders (no stages)

Students may use a maximum of one third of starting pressure for penetration into the overhead. Calculation of thirds must allow a generous additional gas reserve.

Students may use air or nitrox for bottom mix calculated at maximum of 1.4 PO₂ in deepest cave passage. (N.B. Trimix may be used if students (and instructor) are certified. The END / EAD for trimix must not exceed 30 meters / 100 feet and deliver a maximum PO₂ of 1.4 bar.

IVc. Penetration Limitations During Training

Dives must follow the permanent mainline.

No passages or restrictions through which divers are required to swim in single file.

No jumps allowed

Maximum penetration of 300 meters / 1000 feet from the surface.

V. Supervision

A certified RAID Cave 1 instructor or higher.

A Cave instructor wishing to teach students in sidemount, must be a RAID Sidemount instructor.

The instructor must always be present and in direct supervision of ALL segments of training during this course.

A certified assistant must be a RAID divemaster or higher who is also certified as a RAID Cave 2 diver or higher but does not affect ratios.

VI. Equipment Requirements

Twinset Configuration

Refer to Twinset Equipment Configuration in the Equipment section.

Sidemount configuration

Refer to the Sidemount Equipment Configuration in the Equipment section

Additional required cave specific equipment per student (unless noted):

- Two cutting devices.
- Primary dive light (with burn time at least one hour longer than planned dive time.)
- Two fully charged backup lights each with a manufacturer's burn time at least one hour.
- A minimum of 5 Personalized Directional markers (Arrows), two marked for lost buddy scenario.
- A minimum of 5 personalized Non-directional markers (Cookies or REMs).
- One personal safety spool (to be carried by each student at all times)
- One jump spool or cavern reel per student
- One primary reel per student team
- Spare mask
- Various cable ties (zip-ties), spare regulator mouthpiece, Orings and scuba tool
- Cave helmet (where appropriate).

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

- All Quizzes and exams are completed and passed.
- All confined and Open Water skills are completed and signed off through the RAID Website by both the instructor and student.
- The student has logged all their training dives online in their personal eLogbook.
- The RAID Dive Centre has confirmed certification online through the RAID website.

VIII. In-Water Training

Dive times for the DIVER course are a minimum of:

- Confined water: Adequate time to show mastery of all skills.
- Overhead: A minimum of 8 hours (480 minutes) in the overhead environment
- A total of at least ten dives in the overhead environment
- A minimum of 20 hours of land drills, dryland instruction, kit configuration and dive debriefing

NOTE: No student may be allowed to enter the overhead until he/she has demonstrated control of buoyancy (hover within plus or minus 20 centimeters / 8 inches) and mastery of non-silt propulsion techniques and backwards kick.

IX. Certification

This certification allows divers to safely and efficiently conduct dives with a similarly certified buddy within the limits of their core level certification and experience in an overhead cave environment to a maximum penetration of 300 meters / 1000 feet from the surface.

CAVE 2 (C2) DIVER PROGRAM

I. Purpose

This course is designed to safely train students in the established complex navigation procedures and protocols to dive in an overhead environment, with no restrictions on lineal penetration – other than gas limits. Students certified as RAID Deco 50 may use one stage bottle to extend gas limits or for decompression.

Note: Certified Deco 50 divers may do limited decompression course with a maximum decompression obligation of 30 minutes.

II. Student Prerequisites

- Be a minimum of 18 years old.
- Must have logged 50 hours underwater or 75 dives using open circuit.
- Be certified as a RAID Deco 50 and have a minimum of 12 logged dives using a stage bottle if using a stage bottle for extended penetration or decompression.
- Be certified as a RAID Cave 1 Diver or equivalent.
- Be a certified RAID Sidemount diver or equivalent if using Sidemount configuration.
- Have logged at least 10 Cave 1 dives outside of training dives. (N.B. RAID C1 and C2 classes may only be run concurrently in exceptional circumstances and only with written permission from RAID Training Department.)

III. Student to instructor Ratios

- Confined Water or Pool Training - Maximum ratio: 6:1 with a maximum depth of 6m.
- Overhead Training - Maximum ratio: 3:1.
 - It is highly recommended that a certified RAID assistant be utilized but doing so does NOT affect ratios.

IV. Depth Limitations During Training

Training dive depth limits are outlined in the Cave Two training materials. Training dives must not exceed the maximum depth 6 meters / 20 feet in confined water and a maximum of 40 meters / 130 feet in open water.

IVa. Visual Limitations During Training

Training dives must be conducted in conditions where the starting visibility is a minimum of 10 meters / 30 feet. Primary lights must have a manufacturer's recommended burn time a minimum of one hour more than the duration of planned dives.

IVb. Gas Limitations During Training

- The starting volume for all dives in an overhead environment must be at least 2800 litres / 100 cubic feet in primary cylinders, and 2200 litres / 80 cubic feet in a stage bottle.
- Students may use a maximum of one third of starting pressure for penetration into the overhead. Calculation of thirds must allow a generous additional gas reserve.

- Students may use air or nitrox for bottom mix calculated at maximum of 1.4 PO₂ in deepest cave passage. (N.B. Trimix may be used if students (and instructor) are certified. The END / EAD for trimix must not exceed 30 meters / 100 feet and deliver a maximum PO₂ of 1.4 bar.

IVc. Penetration Limitations During Training

- Unlimited penetration following established gas limits
- Complex navigation allowed, including (where possible) a circuit, a traverse, and jumps, tees and gaps.
- Restrictions must be passable without removing gear
- No time limit on dives but decompression obligation of a maximum duration of 30 minutes.
-

V. Supervision

A certified RAID Cave 2 instructor or higher.

An instructor wishing to teach Cave 2 diver to Sidemount students must be a RAID Sidemount instructor and a RAID Cave 2 instructor.

The instructor must always be present and in direct supervision of ALL segments of training during this course.

A certified assistant must be a RAID divemaster or higher who is also certified as a RAID Cave 2 diver or higher but does not affect ratios.

VI. Equipment Requirements

In addition to the Cave 1 equipment requirements:

Decompression or Stage Cylinder Configuration consisting of:

- One Oxygen clean DIN regulator with SPG on an approximately 15 cm / 6-inch HP hose for optimized decompression mix.
- One Stage Cylinder (minimum 7L / 40cf cylinder, but recommended 11L / 80cf.)

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

1. All Quizzes and exams are completed and passed.
2. All confined and Open Water skills are completed and signed off through the RAID Website by both the instructor and student.
3. The student has logged all their training dives online in their personal eLogbook.
4. The RAID Dive Centre has confirmed certification online through the RAID website.

VIII. In-Water Training

Dive times for the DIVER course are a minimum of:

- Confined water: Adequate time to show mastery of all skills.
- Overhead: A minimum of 8 hours (480 minutes) in the overhead environment
- A total of at least eight dives in the overhead environment at least two carrying and using a stage bottle

IX. Certification

This certification allows divers to safely and efficiently conduct dives with a similarly certified buddy within the limits of their core level certification and experience in an overhead cave environment using a single stage bottle and complex navigation.

DECO 80/ 100 DIVER PROGRAM (IN DEVELOPMENT)

I. Purpose

This course is designed to safely train students to:

- Dive to a maximum depth of 80 meters / 260 feet or 100 meters / 330 feet.
- Use air, nitrox, trimix and blended standard or custom mixes for planned depths including 100 percent oxygen

- The END / EAD for trimix must not exceed 30 meters/100 feet or a PO₂ of 1.4 for bottom mixes, 1.6 for decompression mixes.
- Complete optimized decompression dives within gas planning protocols, without any time limitations.
- Use two decompression gases of up to 100% O₂ for optimized decompression obligations.
- Use at least one normoxic travel gas.
- This program is a technical program for twinset and technical sidemount users only.

II. Student Prerequisites

- Be a minimum of 18 years old.
- Be certified as a RAID Master Rescue Diver and DECO 60 (or equivalent).
- Submit current Rescue Breathing, CPR Training and Oxygen Provider certificates.
- Have logged 100 hours underwater or 100 dives using open circuit.
- Must have logged at least 20 hours between 30 – 60m.
- Have a minimum of 15 logged decompression dives.
- Documented proof of prerequisite requirements must be presented to the Dive Centre for approval prior to any in water training.

III. Student to instructor Ratios

Use your discretion as a RAID instructor to determine whether the conditions warrant reducing the maximum ratios as stated below. Always consider group control and student safety.

Confined Water Training

- Maximum ratio: 4:1

Open Water Training

- Maximum ratio: 3:1 instructor
- 4:1 with a Certified RAID Assistant when conditions such as current, visibility and water temperature are favourable, otherwise the use of a certified assistant does not affect ratios.

VI. Equipment Requirements

Twinset Configuration

Refer to Twinset Equipment Configuration in the Equipment section.

Sidemount Configuration

Refer to the Sidemount Equipment Configuration in the Equipment section.

Decompression or Stage Cylinder Configuration

- Each stage cylinder must have an oxygen clean DIN regulator with SPG on a short HP hose (e.g. 15 cm/6 inch)
- Each cylinder must have its contents analyzed and labelled as per RAID Standards for an optimized decompression mix.
- Each cylinder must be a minimum of 11L / 80cf.

V. Supervision

A certified RAID Open Circuit Deco 80/ 100 instructor is defined as an insured RAID Open Circuit DECO 100 instructor or higher. An instructor wishing to teach Deco 80 /100 to Sidemount students must be a RAID Sidemount instructor and a RAID Deco 100 instructor.

Note: instructors who are certified as OC Deco 100 and CCR Deco 100 instructors or higher, may use the rebreather they are certified to teach while conducting Deco 60 training dives where skills pertinent to open circuit diving will not be demonstrated. This standard ONLY applies to open water dives.

Certified raid assistant

A RAID Divemaster or higher who is certified as a Deco 80/ 100 diver or higher.

IV. Depth Limitations During Training

Training dive depth limits are outlined in the Deco 80/ 100 training materials. Training dives must not exceed the maximum depth 6 meters / 20 feet in confined water and a maximum of 80 meters / 260 feet or 100 meters / 330 feet.

VII. Course Requirements

To earn certification, the student must fulfill the following requirements:

- Complete and pass all online academic modules, quizzes, and exam.
- Pass the swim and stamina/stress tests as appropriate.
- Complete all the skill requirements as outlined in the instructor Guidelines for Confined Water Training and Open Water Training.
- All confined and open water skills are completed and signed off through the RAID Website by both the instructor and student.
- The student has logged all their training dives on-line in their personnel "e-Logbook".
- The RAID Dive Centre has confirmed certification online through the RAID web site and uploaded any relevant documentation.

VIII. In-Water Training

For the instructor to be able to incorporate all the skills required in this course, the dive times specified are the minimum allowable:

Confined water: 1.5 hours (90minutes)

Open water: 5 hours (300 minutes)

Minimum Dives 1 confined dive and 5 in open water

Note:

The instructor must show demonstration mastery of all skills necessary for certification. To clarify this point, when an instructor is teaching twinset and Sidemount students at the same time, the instructor must have access to both configurations and demonstrate the skill procedures for each configuration separately in confined water.

The instructor must be present at all times and in direct supervision, during this course.

IX. Certification

This course is designed to safely train students to dive to a maximum depth of 80 meters / 260 feet or 100 meters / 330 feet using air, nitrox, trimix and blended standard or custom mixes and using two decompression gases up to 100% O₂ for optimized decompression obligations and at least one travel gas. This program is a technical program for twinset and technical sidemount users only.

LEADERSHIP COURSES AND RATINGS (TECHNICAL OPEN CIRCUIT)

PRO SKILL CIRCUIT DEMONSTRATION AND EVALUATION

The objective of the Pro-Skill Circuit Evaluation is to improve diving skills to IT demonstration level. This means the skills need to be demonstrated at a level that new instructors can easily see all the sub-steps to the skill.

Note: All skills must be completed neutrally buoyant in a pool or confined water.

Instructors and instructor Trainers at this level must demonstrate and pass all skills listed below. Scores are awarded as per the standard RAID criteria on the evaluation slate.

- Stage remove and replace underwater.
- S-Drill

- Neutral buoyancy and trim.
- Frog Kick
- Reverse Kick
- Modified Flutter
- Helicopter Turn
- Proper gas switching procedures.
- Gas sharing swim, using long hose.
- Gas sharing ascent, using long hose.
- Lost mask procedures
- Shutdown right hand side while hovering.
- Shutdown left hand side while hovering.
- Diagnostic shutdown while hovering.
- Unresponsive diver swim and ascent.
- Inflator failure.

In addition, instructors using Sidemount will be required to demonstrate a:

- Free flow second stage – feathering.
- Shutdown right hand side while hovering.
- Shutdown left hand side while hovering.

In addition, instructors using a twinset will be required to demonstrate a:

- Shutdown right hand side.
- Shutdown left hand side.
- Diagnostic shutdown.

In addition, candidates may be asked to demonstrate course-specific skills such as:

- Line laying procedures (overhead programs).
- Touch contact, blind exit line work (overhead programs).

DECO 40 INSTRUCTOR PROGRAM

I. Purpose

This course is designed to safely train instructors to teach and certify RAID Deco 40 divers.

Note: The deco 40 course is not an optimized decompression course. Instructors teaching the program as an optimized or accelerated decompression program are in violation of RAID training standards.

II. Instructor Candidate Prerequisites

- Be a minimum 18 years old.
- Be certified and in status as a RAID Open Circuit instructor.
- Be certified RAID Nitrox and RAID Deep 40 instructor.
- Be certified Deco 40 Diver or equivalent.
- Have at least 20 Deco 40 dives with at least 10 decompression dives.
- Be certified and current Rescue Breathing/CPR/BLS Training and Oxygen Provider instructor
- Submit a dive medical passed by a certified diving physician.
- Submit proof of liability insurance where applicable.
- Be able to complete the required swim and stamina tests.
- Complete the registration process, including all mandatory paperwork.
- The course may be conducted using sidemount configuration if the instructor candidate is certified as a RAID Sidemount instructor.
- The course may be conducted using a twinset configuration if the instructor candidate is a RAID Twinset or Deco 50 diver or higher.

Note: The Sidemount instructor may be combined with the Deco 40 instructor course as long as the instructor candidate is a sidemount certified diver and meets the sidemount instructor prerequisites.

Ia. instructor Crossover Prerequisites

- As per the standards for instructor Candidate Prerequisites above.
- Cross over instructors need to complete a RAID OC instructor crossover program and then a RAID Deco 40 instructor crossover.
- instructors must submit proof of equivalency and proof of logged dives.
- All crossover instructor equivalent certifications must be emailed to RAID HQ for record keeping.

III. Candidate-to-instructor-Trainer Ratios

Confined Water

6 candidates: 1 instructor Trainer

Open Water

4 candidates: 1 instructor Trainer

IV. Depth Limitations During Training

Training dive depth limits are outlined in the Deco 40 training materials. Training dives must not exceed the maximum depth 10 meters / 33 feet in confined water and 40 meters / 130 feet in open water.

V. Supervision

A certified RAID Deco 40 instructor Trainer is defined as an in-status RAID Deco 40 instructor Trainer.

The instructor Trainer must be a RAID Sidemount instructor Trainer to teach Deco 40 instructor in sidemount configuration.

The instructor Trainer must be a RAID Deco 50 instructor Trainer to teach the course in twinset configuration.

All training must be conducted by an instructor. The instructor must be physically present and in direct supervision of all segments of training

Note: instructor Trainers who are certified as OC Deco 40 and CCR Deco 40 ITs, may use the rebreather they are certified to teach while conducting Deco 40 instructor training dives where skills pertinent to open circuit diving will not be demonstrated. This standard ONLY applies to open water dives.

VI. Equipment Requirements

Refer to Equipment Requirements in this RGDS.

VII. Course Requirements

To earn certification, the candidate must fulfill the following requirements:

1. Complete the online academic modules, quizzes, and exam.
2. Complete all the skill requirements for Confined Water Training and Open Water Training.
3. instructor Candidates must pass the following presentations:
 - a. At least one academic teaching presentation
 - b. At least one confined water presentation
 - c. At least one open water presentation
 - i. Each in-water presentation will consist of two skills.
 - d. At least one practical application.

Note: These sessions can be role play or with actual new Deco 40 students.

VIII. In-Water Training

To be certified as a Deco 40 instructor, the candidate must complete these requirements.

- Minimum of 1 confined water dives with no minimum time requirement
- Minimum of 4 open water dives with at least 3 hour of underwater training

IX. Certification

The Deco 40 instructor certification entitles the holder to teach divers to safely dive to a maximum depth of 40m/ 130 feet, in conditions similar or better than those experienced during training using air, nitrox or trimix with a maximum decompression schedule of 10 minutes.

X. Maintaining instructor Status

In order to maintain current instructor Status, instructors must certify at least two deco divers per year. Instructors that are unable to achieve this *may* have to do a refresher.

DECO 40 INSTRUCTOR TRAINER PROGRAM

I. Purpose

This course is designed to educate instructor Trainers to deliver the Deco 40 instructor program.

II. Instructor Trainer Prerequisites

- Be a minimum 21 years old.
- Have certified and in status as a RAID Open Circuit instructor Trainer.
- Have certified RAID Nitrox and RAID Deep 40 instructor Trainer.
- Be certified as a Deco 40 instructor.
- Have at least 40 Deco 40 dives with at least 20 decompression dives.
- Have taught at least 5 RAID Deco 40 divers (or equivalent)
- Be certified and current Rescue Breathing/CPR/BLS Training and Oxygen Provider instructor
- Documented proof of prerequisite requirements must be presented to the RRO and RAID HQ for approval prior to any in water training
- Submit a dive medical passed by a certified diving physician.
- Submit proof of liability insurance where applicable.
- Be able to complete the required swim and stamina tests.
- Complete the registration process, including all mandatory paperwork.
- The course may be conducted using sidemount configuration if the instructor Trainer candidate is certified as a RAID Sidemount instructor Trainer.
- The course may be conducted using a twinset configuration if the instructor Trainer candidate is a RAID Deco 50 instructor or higher.

IIa. Instructor Trainer crossover Prerequisites

- As per the standards for Deco 40 instructor Trainer Prerequisites above.
- Crossover instructor Trainers need to complete a RAID IT crossover program and then a RAID Deco 40 instructor IT crossover.
- Instructors must submit proof of equivalent status and logged dives'.
- All crossover instructor Trainer equivalent certifications must be emailed to RAID HQ for record keeping.

III. Candidate-to-Tec Examiner Ratios

Confined Water

6 candidates: 1 Tec Examiner

Open Water

6 candidates: 1 Tec Examiner

IV. Depth Limitations During Training

Training dive depth limits are outlined in the Deco 40 training materials. Training dives must not exceed the maximum depth 10 meters / 33 feet in confined water or 40 meters / 130 feet in open water.

V. Supervision

A certified RAID Tec Examiner is defined as an in-status RAID Tec Examiner.

All training must be conducted by a Tec Examiner. The Examiner must be physically present and in direct supervision of all segments of training.

Note: Tec Examiners who are certified as OC Deco 40 and CCR Deco 40 ITs, may use the rebreather they are certified to teach while conducting Deco 40 instructor-Trainer training dives where skills pertinent to open circuit diving will not be demonstrated. This standard ONLY applies to open water dives.

VI. Equipment Requirements

Refer to Equipment Requirements in this RGDS.

VII. Course Requirements

To earn certification, the candidate must fulfil the following requirements:

- Complete the online academic modules, quizzes, and exam.
- Complete all the skill requirements for Confined Water Training and Open Water Training.
- instructor Candidates must pass the following presentations:
 - At least one academic teaching presentation
 - At least one confined water presentation
 - At least one open water presentation
- Each in-water presentation will consist of two skills.
- At least one practical application.

Note: These sessions can be role play or with actual new Deco 40 students.

VIII. In-Water Training

To be certified as a Deco 40 instructor-Trainer, the candidate must complete these requirements.

- Minimum of 1 confined water dive with no minimum time requirement but adequate to demonstrate all required skills.
- Minimum of 4 open water dives with at least 5 hours of underwater training

IX. Certification

The Deco 40 instructor-Trainer certification entitles the holder to teach instructors and divers to safely dive to a maximum depth of 40m/ 130 feet, in conditions similar or better than those experienced during training using air, nitrox or trimix with a maximum decompression schedule of 10 minutes.

X. Maintaining instructor Status

To maintain current instructor-Trainer Status, they must certify at least two Deco 40 instructors or five Deco divers per year. Instructors-Trainers that are unable to achieve this *may* have to do a refresher.

DECO 50 INSTRUCTOR PROGRAM

I. Purpose

This course is designed to safely train instructors to teach and certify RAID Deco 50 divers.

II. Instructor Candidate Prerequisites

- Be a minimum of 18 years old.
- Documented proof of prerequisite requirements must be presented to the Dive Centre for approval prior to any in water training.
- Certified and in status as a RAID Open Circuit instructor.

- Certified RAID Nitrox and RAID Deep 40 instructor.
- Certified Deco 50 Diver or equivalent.
- At least 25 decompression dives between 35 – 50 meters/115 -165 feet.
- Certified and current Rescue Breathing/CPR/BLS Training and Oxygen Provider instructor
- Submit a dive medical passed by a certified diving physician.
- Submit proof of liability insurance where applicable.

Ia. instructor Crossover Prerequisites

As per the standards for INSTRUCTOR PREREQUISITES above.

Cross over instructors need to complete a RAID OC instructor crossover program followed by a RAID Deco 50 instructor crossover.

instructors must submit proof of equivalent statuses

III. Candidate to instructor-Trainer Ratios

Use your discretion as a RAID instructor-Trainer to determine whether the conditions warrant reducing the maximum ratios as stated below. Always consider group control and student safety.

Confined Water or Pool Training

Maximum ratio: 4:1 with a maximum depth of 6m

Note: It is highly recommended that a certified RAID assistant be utilized.

Open Water Training

Maximum ratio: 3:1 (4:1 with a certified RAID Assistant)

IV. Depth Limitations During Training

Training dive depth limits are outlined in the Deco 50 training materials. Training dives must not exceed the maximum depth 6 meters / 20 feet in confined water and a maximum of 50 meters / 165 feet in open water.

V. Supervision

A certified RAID Deco 50 instructor-Trainer is defined as an in-status RAID Deco 50 (open circuit) instructor-Trainer or higher. The instructor-Trainer must be a RAID sidemount instructor to teach Deco 50 in sidemount configuration.

All training must be conducted by an instructor-trainer and he/she must be physically present and in direct supervision of all segments of training.

Note: instructors who are certified as OC Deco 50 and CCR Deco 50 instructor-Trainers or higher, may use the rebreather they are certified to teach while conducting Deco 50 training dives where skills pertinent to open circuit diving will not be demonstrated. This standard ONLY applies to open water dives.

VI. Equipment Requirements

As per Deco 50 Diver standards.

VII. Course Requirements

instructor Candidates must:

- Present and pass at least one academic teaching presentation
- Present and pass at least one confined water presentation
- Present and pass at least one open water presentation
- Each in-water presentation will consist of 2 skills.
- Present and pass at least one practical application.

NOTE: These sessions can be role play or with actual new Deco 50 students.

VIII. In-Water Training

Dive times for the instructor course are a minimum of:

- Confined water: Adequate time to demonstration all skills.
- Open water: 5 hours underwater

SIDEMOUNT TRAINING

The Sidemount instructor course may be combined with the Deco 50 instructor course as long as the instructor candidate is a sidemount certified diver and meets the sidemount instructor prerequisites.

Instructor Trainers wishing to combine Sidemount and Deco 50 instructor must hold the IT level in both. Instructor candidates wishing to participate in the combined training program MUST meet all prerequisites.

IX. Certification

Certification will be awarded once the following minimum criteria have been met.

1. All quizzes and exams are completed and passed.
2. All confined and open water skills are completed and signed off through the RAID Website by both the instructor Trainer and instructor candidate.
3. All their training dives are logged online in their personnel e-Logbook.
4. The RAID Dive Centre has confirmed certification online through the RAID website.

DECO 50 INSTRUCTOR TRAINER PROGRAM

I. Purpose

This course is designed to educate instructor Trainers to deliver the RAID Deco 40 and 50 instructor level programs.

II. Instructor Candidate Prerequisites

- Be a minimum of 21 years old.
- Submit current Rescue Breathing, CPR Training and Oxygen Provider instructor certificates.
- Documented proof of prerequisite requirements must be presented to the RRO and RAID HQ for approval prior to any in water training.
- Certified and in status as a RAID Open Circuit instructor Trainer.
- Certified RAID Nitrox instructor Trainer.
- Certified Deco 50 instructor or equivalent.
- At least 100 decompression dives between 35 – 50 meters/115 -165 feet.
- Taught at least 15 Deco 50 divers or equivalent (at least 5 MUST be RAID Deco 50)
- Certified and current Rescue Breathing/CPR/BLS Training and Oxygen Provider instructor
- Submit a dive medical passed by a certified diving physician.
- Submit proof of liability insurance where applicable.
- All crossover instructor Trainer equivalent certifications must be emailed to RAID HQ for record keeping.

IIa. Instructor Crossover Prerequisites

As per the standards for INSTRUCTOR TRAINER PREREQUISITES above.

Crossover instructor Trainers need to complete a RAID IT cross over program and then a RAID Deco 50 instructor IT cross over. Instructors must submit proof of equivalent status.

III. Candidate to instructor-Trainer Ratios

IT TO HQ IT TRAINER (Tech Examiner) RATIOS

Confined Water Training

Maximum ratio: 6:1 with a maximum depth of 6m

Open Water Training

Maximum ratio: 6 :1

Note: When the water temperature is 6°C / 43°F and below or the visibility is less than 5 meters/ 15 feet then the ratio is reduced to 2:1 with 3:1 with a Certified RAID Assistant.

IV. Depth Limitations During Training

Training dive depth limits are outlined in the Deco 50 training materials. Training dives must not exceed the maximum depth 6 meters / 20 feet in confined water and a maximum of 50 meters / 165 feet in open water.

V. Supervision

The RAID HQ appointed IT Trainer must be present and in direct supervision for all segments of training. A certified RAID Deco 50 instructor Trainer is defined as an in-status RAID Deco 50 instructor Trainer or higher. Instructor Trainer must be a RAID sidemount instructor Trainer to teach a Deco 50 instructor program in sidemount configuration.

Note: instructors who are certified as OC Deco 50 and CCR Deco 50 instructor-Trainers or higher, may use the rebreather they are certified to teach while conducting Deco 50 training dives where skills pertinent to open circuit diving will not be demonstrated. This standard ONLY applies to open water dives.

CERTIFIED RAID INSTRUCTOR TRAINER ASSISTANT

A certified RAID Deco 50 instructor Trainer Assistant is defined as an in-status RAID Deco 50 instructor Trainer or higher, or an instructor Trainer certified as a RAID Deco 50 instructor.

VI. Equipment Requirements

As per Deco 50 Diver standards.

VII. Course Requirements

Instructor Trainer Candidates must:

1. Present and pass at least one academic teaching presentation
2. Present and pass at least one confined water presentation
3. Present and pass at least one open water presentation
 - a. Each in-water presentation will consist of 2 skills.
4. Present and pass at least one practical application.
5. Present one Risk Management workshop/presentation

Instructor Trainer Candidates will evaluate on the below topics. At least two of each evaluation needs to be within the control score set by the RAID IT Evaluator.

1. Evaluate at least two academic teaching presentations
2. Evaluate at least two confined water presentations
- 3.
4. Evaluate at least two open water presentations
 - a. At least two of each evaluation must be within the control score
5. Pass the Technical in-water pro skill circuit evaluation

NOTE: These sessions can be role play or with actual new instructor candidates.

PRO SKILL CIRCUIT DEMONSTRATION AND EVALUATION

The objective of the Pro-Skill Circuit Evaluation is to improve diving skills to IT demonstration level. This means the skills need to be demonstrated at a level that new instructors can easily see all the sub-steps to the skill.

Instructors Trainers must demonstrate and pass all skills as per the deco 50 instructor program.

Scores are awarded as per the standard RAID evaluation criteria.

NOTE: ALL SKILLS MUST BE COMPLETED NEUTRALLY BUOYANT

This circuit must be completed in confined water or a swimming pool.

The IT must evaluate the demonstration performance of other candidates per the criteria on the slate.

VIII. In-Water Training

Dive times for the instructor trainer course are a minimum of:

Confined water: Adequate time to demonstration all skills

Open water: 5 hours underwater (surface to surface)

MAINTAINING INSTRUCTOR TRAINER STATUS

In order to maintain current instructor Status, instructor Trainers must teach at least two candidates per year at their highest level. instructor Trainers that are unable to achieve this *may* have to do a refresher.

ix. Certification

Certification will be awarded once the following minimum criteria have been met.

1. All quizzes and exams are completed and passed.
2. All confined and open water skills are completed and signed off through the RAID Website by both the instructor Trainer Candidate and HQ or RRO Appointed IT Trainer.
3. All their training dives are logged online in their personnel e-Logbook.
4. The RAID Dive Centre or HQ has confirmed certification online through the RAID website.

DECO 60 INSTRUCTOR PROGRAM

I. Purpose

This course is designed to safely train instructors to teach and certify students to:

- Dive to a maximum depth of 60 meters / 200 feet.
- Use air, nitrox, trimix and in “best mixes” for planned depths including 100 percent oxygen or combinations thereof.
- The END / EAD for trimix must not exceed 30meters / 100 feet or a PO₂ of 1.4 for bottom mixes, 1.6 for decompression mixes.
- Complete optimized decompression dives within gas planning protocols.
- Use two decompression gases of up to 100% O₂ for optimized decompression obligations.
- This program is a technical program for twinset and technical sidemount users only

II. instructor Candidate Prerequisites

- Be a minimum of 21 years old.
- Certified and in status as a RAID Open Circuit instructor.
- Certified RAID DECO 50 instructor.
- Certified 5 students at DECO 50 level or equivalent.
- Certified Deco 60 Diver or equivalent.
- At least 50 decompression dives between 35 – 50 meters / 115 -165 feet.
- Certified and current Rescue Breathing / CPR / BLS Training and Oxygen Provider instructor.
- Submit a dive medical passed by a certified diving physician.

- Submit proof of liability insurance where applicable.
- Documented proof of prerequisite requirements must be presented to the Dive Centre for approval prior to any in water training.

Ila. instructor Crossover Prerequisites

- As per the standards for INSTRUCTOR PREREQUISITES above.
- crossover instructors need to complete a RAID OC instructor crossover program and then a RAID Deco 50 instructor crossover followed by RAID Deco 60 crossover.
- instructors must submit proof of an equivalent status acceptable to RAID.

III. instructor Candidate to instructor Trainer Ratios

Use discretion to determine whether the conditions warrant reducing the maximum ratios as stated below. Always consider group control and student safety.

Confined Water Training

- Maximum ratio: 4:1 with a maximum depth of 10 meters

Open Water Training

- Maximum ratio: 3:1 instructor

Note: When the water temperature is 6°C / 43°F and below or the visibility is less than 5 meters/ 15 feet then the ratio is reduced to 2:1 with 3:1 with a Certified RAID Assistant.

IV. Depth Limitations During Training

Training dive depth limits are outlined in the Deco 60 training materials. Training dives must not exceed the maximum depth 9 meters / 30 feet in confined water and a maximum of 60 meters / 200 feet in open water.

V. Supervision

A certified RAID Deco 60 instructor Trainer is defined as a RAID Deco 60 instructor Trainer or higher. Deco 60 instructor Trainer must also be a RAID Sidemount instructor to teach Deco 60 in Sidemount configuration. The instructor must be present and in direct supervision of all segments of training.

Note: instructor Trainers who are certified as Deco 60 and RB Deco 60 instructor Trainer or higher, may use the rebreather they are certified to teach, while conducting Deco 60 open water dives where skills relevant to Deco 60 course will not be demonstrated.

This standard only applies to Open Water Dives

CERTIFIED RAID INSTRUCTOR TRAINER ASSISTANT

A certified RAID Deco 60 instructor Trainer Assistant is defined as a RAID Deco 60 instructor Trainer or higher, or an instructor certified as a RAID Deco 60 instructor.

MAINTAINING TEACHING STATUS

To maintain teaching status for this level of certification / qualification the follow requirements must be met;

- Be a current RAID instructor.
- To have completed & conducted a minimum of 1 RAID Deco 60 courses within renewal period (12 months).
- To have personally completed a minimum of 6 decompression dives within the renewal period. These dives must be logged online in the member's e-Logbook and any decompression diving completed in training may be counted.

Note: If any one of the above requirements has not been met, the member may not teach this level of certification. A waiver may be applied for in writing and sent to admin@diveraid.com attention Standards Department

VI. Equipment Requirements

Twinset Configuration

Refer to Twinset Equipment Configuration in the Equipment section.

Sidemount Configuration

Refer to the Sidemount Equipment Configuration in the Equipment section.

VII. Course Requirements

instructor Candidates must:

- Present and pass at least one academic teaching presentation.
- Present and pass at least one confined water presentation.
- Present and pass at least one open water presentation.
- Each in-water presentation will consist of two skills.
- Present and pass at least one practical application.
- Present a RISK Management profile on the Dive Site.

Note: These sessions can be role play or with actual new Deco 60 students.

PRO SKILL CIRCUIT DEMONSTRATION

In confined water or pool, instructors must demonstrate and pass the following skills from the Deco 60 program. Scores are awarded as per the standard RAID evaluation criteria.

While hovering:

- S-Drill
- Propulsion
- Frog kick
- Modified flutter
- Helicopter turn
- Reverse kick
- Buoyancy control – Hover and trim.
- Gas sharing stationary.
- Gas sharing swimming.
- Gas sharing ascent.
- SMB deployment
- Lost mask procedures.
- Unresponsive diver ascent.
- Inflator failure
- Stage free-flow response
- Respond to a failed wing (buoyancy cell rupture or puncture)
- Failed drysuit inflation.
- Team SMB deployment.
- Second emergency SMB deployment (Single Diver).
- Second emergency SMB deployment (Team).
- Deco stage, remove and replace at the surface both stage cylinders.
- Deco stage, remove and replace underwater both stage cylinders.
- Cylinder rotation.
- Stage exchange with teammate.
- Multiple gas switches.

Twinset Specific Skills

- Major Shutdown Right Hand Side.

- Major Shutdown Left Hand Side.
- Full Diagnostic Shutdown.

Sidemount Specific Skills

- Free Flow Second Stage – Valve Feathering.
- Major Shutdown Right Hand Side.
- Major Shutdown Left Hand Side.
- (N.B. Major shutdowns may be combined into shutdown cycle and reg. switch)

NOTE: ALL SKILLS MUST BE COMPLETED NEUTRALLY BUOYANT.

VIII. In-Water Training

Dive times for the instructor course to demonstrate mastery of are a minimum of:

- **Confined water:** 1 hour
- **Open water:** 5 hours underwater

IX. Certification

Certification will be awarded following the completion of the RAID Online Deco 60 Trimix instructor course, which includes but not limited to the minimum criteria having been met.

- All Quizzes and exams are completed and passed.
- All confined and Open Water skills are completed and signed off through the RAID Website by both the instructor Trainer and instructor candidate.
- All training dives are logged online in their personal e-Logbook.
- The RAID Dive Centre has confirmed certification online through the RAID website.

Note: Subject to the RAID General Diving Standards.

DECO 60 INSTRUCTOR TRAINER PROGRAM

I. Purpose

This course is designed to educate instructor Trainers to deliver the RAID Deco 60 instructor level programs.

- Dive to a maximum depth of 60 meters / 200 feet.
- Use air, nitrox, trimix and in “best mixes” for planned depths including 100 percent oxygen or combinations thereof.
- The END / EAD for trimix must not exceed 30meters / 100 feet or a PO₂ of 1.4 for bottom mixes, 1.6 for decompression mixes.
- Complete optimized decompression dives within gas planning protocols without any time limitations.
- Use two decompression gases of up to 100% O₂ for optimized decompression obligations.
- This program is a technical program for twinset and technical Sidemount users only.

II. Candidate Prerequisites

- Be a minimum of 21 years old.
- Certified and in status as a RAID Open Circuit instructor Trainer.
- Certified RAID DECO 50 instructor Trainer.
- Certified as a RAID Deco 60 instructor or equivalent.
- At least 100 decompression dives deeper than 45m / 145ft.
- Taught at least 10 Deco 60 divers.
- Certified 5 DECO 50 instructors.
- Certified and current Rescue Breathing / CPR / BLS Training and Oxygen Provider instructor.
- Submit a dive medical passed by a certified diving physician.
- Submit proof of liability insurance where applicable.

- All Trainer equivalent certifications must be uploaded by the certifying RAID Dive Centre, to the members profile before certification.
- Documented proof of prerequisite requirements must be presented to the RRO and RAID HQ for approval prior to any in water training.

Ila. Instructor Trainer Crossover Prerequisites

- As per the standards for INSTRUCTOR TRAINER PREREQUISITES above.
- crossover instructors Trainers need to complete a RAID IT crossover program and then a RAID Deco 50 instructor IT crossover followed by a Deco 60 crossover.
- Instructors must submit proof of all equivalent statuses. All crossover instructor Trainer equivalent certifications must be uploaded by the certifying RAID Dive Centre, to the members profile before certification.

III. Instructor Trainer to HQ Tech Examiner Ratios

Confined Water Training

Maximum ratio: 6:1 with a maximum depth of 6m

Open Water Training

Maximum ratio: 6 :1

Note: When the water temperature is 6°C / 43°F and below or the visibility is less than 5 meters/ 15 feet then the ratio is reduced to 2:1 with 3:1 with a Certified RAID Assistant.

IV. Depth Limitations During Training

Training dive depth limits are outlined in the Deco 60 training materials. Training dives must not exceed the maximum depth 10 meters / 30 feet in confined water and a maximum of 60 meters / 200 feet in open water.

V. Supervision

A CERTIFIED RAID TEC EXAMINER Is certified by RAID HQ to evaluate and teach a RAID Deco 60 instructor Trainer.

A CERTIFIED RAID INSTRUCTOR TRAINER ASSISTANT

A certified RAID Deco 60 instructor Trainer Assistant is defined a RAID Deco 60 instructor Trainer or higher, or an instructor Trainer certified as a RAID Deco 60 instructor.

VI. Equipment Requirements

Twinset Configuration

Refer to Twinset Equipment Configuration in the Equipment section.

Sidemount Configuration

Refer to the Sidemount Equipment Configuration in the Equipment section.

VII. Course Requirements

instructor Trainer Candidates must:

- Present and pass at least one academic teaching presentation.
- Present and pass at least one confined water presentation.
- Present and pass at least one Open Water presentation.
- Each in-water presentation will consist of 2 skills.
- Present and pass at least one practical application.
- Present one Risk Management workshop / presentation.

instructor Trainer Candidates will be assessed on their evaluation, of topics list below. Each evaluation needs to be within the control score set by the RAID HQ appointed RAID Tec Examiner.

- Evaluate at least two academic teaching presentations.
- Evaluate at least two confined water presentations.

- Evaluate at least two Open Water presentations.
- The Technical in-water pro skill circuit evaluation.

Note:

These sessions can be role play or with actual new instructor candidates.

VIII. In-Water Training

Dive times for the instructor Trainer to show demonstration mastery are a minimum of:

- Confined water: 1 hour
- Open water: 5 hours underwater

IX. Certification

Certification will be awarded following the completion of the RAID Online Deco 60 instructor Trainer course, which includes but not limited to the minimum criteria having been met:

- All Quizzes and exams are completed and passed.
- All Confined and Open Water skills are completed and signed off through the RAID Website by both the instructor Trainer Candidate and HQ or RRO Appointed IT Trainer.
- All training dives are logged online in their personal RAID e-Logbook.
- The RAID IT Dive Centre or HQ has confirmed certification online through the RAID website and all relevant documentation is uploaded to the members profile online.

X. Maintaining teaching status

To maintain teaching status for this level of certification / qualification the follow requirements must be met;

- To be a paid up and current RAID instructor Trainer.
- To have completed & conducted a minimum of 2 RAID instructor courses within renewal period (12 months).
- To have completed a minimum of 2 Deco 60 or higher technical RAID diver courses.
- To have personal completed a minimum of 6 decompression dives within the renewal period. These dives must be logged online in the member's Logbook and any decompression diving completed whilst training may be included.

Note: If any one of the above requirements has not been met, the member may not teach this level of certification. A waiver may be applied for in writing and sent to admin@diveraid.com attention Standards Department.

CAVERN INSTRUCTOR PROGRAM

I. Purpose

This course is designed to safely train instructors to teach and certify RAID Cavern divers.

II. Candidate Prerequisites

- Be a minimum of 18 years old.
- Be a certified diver for at least 12 months.
- RAID Open Circuit Instructor.
- Certified RAID Cave 2 diver or equivalent.
- Submit proof of at least 50 logged dives and hours in an overhead (cavern/ cave).
- Certified and current RAID First Aid and RAID Oxygen Provider instructor or equivalent.
- Submit a dive medical passed by a certified diving physician.
- Submit proof of liability insurance where applicable.
- All crossover Instructor equivalent certifications must be emailed to RAID HQ for record keeping.
- Documented proof of prerequisites must be presented to the RRO and RAID HQ for approval prior to any in water training.

III. Student to instructor Ratios

- Confined Water or Pool Training: Maximum ratio: 6:1 with a maximum depth of 5m
- Overhead Training: - Maximum ratio: 4:1

IV. Depth Limitations During Training

Training dive depth limits are outlined in the Cavern training materials. Training dives must not exceed the maximum depth 6 meters / 20 feet in confined water and a maximum of 40 meters / 130 feet in open water.

IVa. Visual Limitations During Training

Training dives must be conducted in conditions where the starting visibility is a minimum of 10 meters / 30 feet. Primary lights must have a manufacturer's recommended burn time a minimum of one hour more than the duration of planned dives.

IVb. Gas Limitations During Training

Cylinders must be filled to 200bar/3000psi and the minimum cylinder size is 11.1 liters/80 cubic feet.

Students may use a maximum of one third of starting pressure of a single cylinder for penetration into the overhead. Calculation of thirds must allow a generous additional gas reserve. Students using twinset or sidemount configuration will be limited to 1/6 of their available gas supply.

Students may use air or nitrox for bottom mix calculated at maximum of 1.4 PO₂ in deepest cave passage. (N.B. Trimix may be used if students (and instructor) are certified. The END / EAD for trimix must not exceed 30 meters / 100 feet and deliver a maximum PO₂ of 1.4 bar.

IVc. Penetration Limitations During Training

Dives must follow the permanent mainline.

No passages or restrictions through which divers are required to swim in single file.

No jumps allowed

Maximum penetration of 60 linear meters / 200 feet from the surface.

V. Supervision

A certified RAID Cave 2 instructor trainer or RAID Cavern Instructor Trainer

The instructor must always be present and in direct supervision of ALL segments of training during this course.

VI. Equipment Requirements

Single cylinder (with or without H or Y valve) of adequate capacity for the planned dive. A minimum of a 11.1 liters/80 cubic feet cylinder is highly recommended.

A DIN First stage with:

- One primary regulator with 2m / 7ft hose including piston clip for clipping off regulator.
- One low-pressure inflator hose for BCD an additional hose for Dry suit if applicable.
- One backup regulator with standard hose fitted with neck bungee.
- One SPG with piston clip for attaching to D Ring when stowed.
- OR
- A standard recreational regulator setup:
 - fitted with a 2m / 7ft hose fitted to the primary regulator.
 - Buoyancy Compensator
 - Standard BCD or backplate and wing with harness with adequate lift for the environment.

Twinset Configuration

Refer to Twinset Equipment Configuration in the Equipment section.

Sidemount configuration

Refer to the Sidemount Equipment Configuration in the Equipment section

NOTE: Students using twinset or sidemount configuration will be limited to 1/6 of their available gas supply.

Additional required cavern specific equipment per student (unless noted):

- One cutting device.
- Primary dive light (with burn time at least one hour longer than planned dive time.)
- One fully charged backup lights each with a manufacturer's burn time at least one hour.
- A minimum of 3 Personalized Directional markers (Arrows), two marked for lost buddy scenario.
- A minimum of 3 personalized Non-directional markers (Cookies or REMs).
- One personal safety spool (to be carried by each student at all times)
- One jump spool or cavern reel per student
- One primary reel per student team
- Spare mask

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

- All Quizzes and exams are completed and passed.
- All confined and Open Water skills are completed and signed off through the RAID Website by both the instructor trainer and student.
- The student has logged all their training dives online in their personal RAID eLogbook.
- The RAID Dive Centre has confirmed certification online through the RAID website.
- Present and pass at least one academic teaching presentation.
- Present and pass at least one confined water presentation.
- Present and pass at least one Open Water presentation.
- Each in-water presentation will consist of two skills.

VIII. In-Water Training

Dive times for the instructor course are a minimum of:

- Confined water: Adequate time to show mastery of all skills.
- Overhead: A minimum of 4 hours (240 minutes) in the overhead environment
- A minimum of 3 hours of land drills, dryland instruction, kit configuration and dive debriefing

IX. Certification

This certification allows instructors to certify divers to conduct dives within the limits of their core level certification and experience in an overhead cavern environment within the light zone to a maximum penetration of 60 linear meters / 200 feet from the surface.

CAVE 1 (C1) INSTRUCTOR PROGRAM

I. Purpose

This course is designed to safely train instructors to teach and certify RAID Cave 1 (C1) divers.

II. Candidate Prerequisites

- Be a minimum of 18 years old.
 - Submit current Rescue Breathing, CPR Training and Oxygen Provider certificates.
 - Certified and in status as a RAID Open Circuit instructor.
 - Certified RAID Nitrox and RAID Deep 40 instructor.
 - Certified RAID Cave 2 diver or equivalent.
 - Submit proof of at least 100 logged cave hours.
 - Certified and current Rescue Breathing / CPR / BLS Training and Oxygen Provider instructor.
 - RAID Cave courses must be completed with a diver approved O₂ kit and field first aid on site.
 - Submit a dive medical passed by a certified diving physician.

- Submit proof of liability insurance where applicable.
- Where proof of prerequisite is documented, these must be presented to the Dive Centre for approval prior to any in water training.

INSTRUCTOR crossover PREREQUISITES

The same as the Cave 1 instructor, (INSTRUCTOR PREREQUISITES) above. crossover instructors need to complete a RAID OC instructor crossover program and then complete a RAID Cave instructor crossover (academic and in water) with a RAID Cave instructor Trainer. instructors will need to submit proof of all equivalent status certifications.

III. instructor candidate to instructor trainer Ratios

- Confined Water Training - Maximum ratio: 6:1 with a maximum depth of 6m.
- Overhead Training: Maximum ratio: 3:1.
- N.B. When student divers are used for the IT to access the instructor candidate the ratio of divers, including instructor candidates, to the IT remains 3:1

Note: When the water temperature is 6°C / 43°F and below or the visibility is less than 10 meters/ 30 feet then the ratio is reduced to 2:1.

IV. Depth Limitations During Training

Training dive depth limits are outlined in the Cave One training materials. Training dives must not exceed the maximum depth 6 meters / 20 feet in confined water and a maximum of 40 meters / 130 feet in open water.

IVa. Visual Limitations During Training

Training dives must be conducted in conditions where the starting visibility is a minimum of 10 meters / 30 feet. Primary lights must have a manufacturer's recommended burn time a minimum of one hour more than the duration of planned dives.

V. Supervision

A certified RAID Cave instructor Trainer is defined as a RAID Cave instructor Trainer or higher. instructor Trainer and instructor Candidate must both be a RAID Sidemount instructor to teach RAID Cave in Sidemount configuration.

The instructor Trainer must be present and in direct supervision for all segments of training.

CERTIFIED RAID ASSISTANT

A RAID Divemaster or higher who is certified as a RAID Cave 2 diver or higher.

MAINTAINING INSTRUCTOR STATUS

To maintain current instructor Status, instructors must teach at least two cave divers per year at their highest level. instructors that are unable to achieve this may have to do a refresher.

RAID requires all Cave 1 instructors to complete 10 cave dives outside of training per year.

VI. Equipment Requirements

As per Cave 2 Diver standards.

VII. Course Requirements

instructor Candidates must:

- Present and pass at least one academic teaching presentation.
- Present and pass at least one confined water presentation.
- Present and pass at least one Open Water presentation.
- Each in-water presentation will consist of two skills.
- Present and pass at least one practical application.

- Present a RISK Management profile on the Dive Site.

Note: These sessions can be role played or applied to actual new cave students.

VIII. In-Water Training

Dive times for the instructor course are a minimum of:

- Confined water: Provide enough time to show competency in completing all skills.
- Overhead: 5 hours underwater
- See Sidemount Training

SIDEMOUNT TRAINING

A RAID Sidemount instructor program may be combined with the Cave instructor course if the instructor candidate is a certified Sidemount diver and meets the Sidemount instructor prerequisites.

instructor Trainers wishing to combine Sidemount and Cave instructor must hold the IT level in both. instructor candidates wishing to participate in the combined training program MUST meet all prerequisites.

When combining these programs, the combined required hours and dives for both programs need to be completed.

IX. Certification

Will be awarded once the following minimum criteria have been met.

- All Quizzes and exams are completed and passed.
- All confined and Open Water skills are completed and signed off through the RAID Website by both the instructor Trainer and instructor candidate.
- All their training dives are logged online in their personal.
- e-LogbookE-Logbook.
- The RAID Dive Centre has confirmed certification online through the RAID website.

CAVE 2 INSTRUCTOR PROGRAM

I. Purpose

This course is designed to safely train instructors to teach and certify RAID Cave 2 divers.

II. Candidate Prerequisites

- Be a minimum of 21 years old.
- Submit current Rescue Breathing, CPR Training and Oxygen Provider certificates.
- Certified and in status as a RAID Open Circuit instructor.
- Certified RAID Nitrox and RAID Deco 50 instructor or higher.
- Certified RAID Cave 2 diver or equivalent.
- Submit proof of at least 150 logged cave dive hours.
- Have certified at least 10 Cave 1 divers or equivalent.
- Certified and current in Rescue Breathing / CPR / BLS Training and Oxygen Provider instructor.
- Submit a dive medical passed by a certified diving physician.
- Submit proof of liability insurance where applicable.
- Documented proof of prerequisites must be presented to the Dive Centre for approval prior to any in water training.

INSTRUCTOR crossover PREREQUISITES

The same as in the Cave 2 instructor standards (INSTRUCTOR PREREQUISITES) above.

crossover instructors need to complete a RAID OC instructor crossover program and then a RAID Cave instructor crossover. instructors' will need to submit proof of all equivalent status qualifications.

III. instructor trainer to HQ Tech Examiner Ratios

- Confined Water Training: - Maximum ratio: 6:1 with a maximum depth of 6m.

- Overhead Training: - Maximum ratio: 3:1.

When the water temperature is 6°C / 43°F and below or the visibility is less than 5 meters / 15 feet then the ratio, is reduced 2:1.

IV. Depth Limitations During Training

Maximum Depth of 30 meters: no limit to penetration (within cave gas management practices)

V. Supervision

A certified RAID Cave instructor is defined as a RAID Cave instructor or higher.

instructor must be a RAID Sidemount instructor to teach Cave 1 and 2 in Sidemount configuration.

The instructor must be present and in direct supervision of all training.

CERTIFIED RAID ASSISTANT

A RAID Divemaster or higher who is certified as a RAID Cave 2 diver or higher.

VI. Equipment Requirements

See C-1 instructor

VII. Course Requirements

PRESENTATIONS:

instructor Candidates must:

- Present and pass at least one academic teaching presentation.
- Present and pass at least one confined water presentation.
- Present and pass at least one Open Water presentation.
- Each in-water presentation will consist of two skills.
- Present and pass at least one practical application.
- Present a RISK Management profile on the Dive Site.

Note: These sessions can be role play or with actual new cave students.

STAMINA EXERCISES

In water, too deep to stand up in, all instructor Candidates must:

1. Swim 600 meters / 660 yards without stopping, using any swim stroke or combination of strokes, without the use of swimming aids, within 20 minutes. This exercise must be completed in bathing suit and without the use of buoyancy aids. However, if the environment does not permit this, students may wear exposure protection but must be weighted to be neutrally buoyant.
2. Swim 800 meters / 880 yards without stopping, using only mask, snorkel and fins, (no other swimming or buoyancy aids) within 15 minutes. if the environment does not permit this, students may wear exposure protection but must be weighted to be neutrally buoyant.
3. Swim underwater for 25 meters / 27 yards without surfacing, using only mask, snorkel and fins - no diving in or pushing off from the side.
4. In only a bathing suit and without the use of buoyancy or swimming aids, tread water without allowing the face or mouth to go underwater at any time for 15 minutes. During the final 3 minutes, the swimmer's hands must be out of the water. If the environment does not permit this, students may wear exposure protection but must be weighted to be neutrally buoyant.
5. In full open circuit SCUBA equipment, as worn for the discipline and for the environment in which they will be diving, tow an inert diver who is also equipped with full SCUBA equipment, for 150 meters / 165 yards.
6. Following exhalation, do not remove the second stage mouthpiece and swim horizontally for 10 meters / 33 feet to a dive buddy who is facing the opposite direction. While signaling out of air, retrieve the regulator donated by the buddy, clear and breathe from it. After 3 full "sanity" breathes, signal OK and swim 50 meters / 65 yards within 4 minutes. Divers may not come to the surface at any time.

Repeat as per exercise 6 but with the out-of-air diver not wearing a mask.

Note: All swim tests must be passed before the end of the program. If any swim is failed it can be redone at any time prior to certification. Any swims that may have been completed within the last three (3) months may be credited.

PRO SKILL CIRCUIT DEMONSTRATION AND EVALUATION

Instructors must demonstrate and pass the following skills from the Cave 1 and 2 programs. Scores are awarded as per the standard RAID evaluation criteria.

- Stage remove and replace underwater.
- S-Drill
- Neutral buoyancy and trim.
- Frog Kick
- Reverse Kick
- Modified Flutter
- Helicopter Turn
- Proper gas switching procedures.
- Gas sharing swim, using long hose.
- Gas sharing ascent, using long hose.
- Stage cylinder exchange with teammate.
- Lost mask procedures.
- Shutdown right hand side while hovering.
- Shutdown left hand side while hovering.
- Diagnostic shutdown while hovering.
- Unresponsive diver swim and ascent.
- Inflator failure.
- Line laying procedures.
- Touch contact, blind exit line work.

In addition, instructors using Sidemount will be required to demonstrate a:

- Free flow second stage – feathering.
- Shutdown right hand side while hovering.
- Shutdown left hand side while hovering.

This circuit must be completed in confined water or a swimming pool.

SIDEMOUNT TRAINING

The Sidemount instructor may be combined with the Cave instructor course if the instructor candidate is a certified Sidemount diver and meets the Sidemount instructor prerequisites.

Instructor Trainers wishing to combine Sidemount and Cave instructor must hold the IT level in both. Instructor candidates wishing to participate in the combined training program MUST meet all prerequisites.

Note: When combining these programs, the combined required hours and dives for both programs need to be completed.

VIII. In-Water Training

Dive times for the instructor course are a minimum of:

- Confined water: Adequate time to show mastery of all skills.
- Overhead: 5 hours underwater

IX. Certification

Will be awarded once the following minimum criteria have been met.

- All Quizzes and exams are completed and passed.
- All confined and Open Water skills are completed and signed off through the RAID Website by both the instructor Trainer and instructor candidate.
- All their training dives are logged online in their personal e-Logbook.
- The RAID Dive Centre has confirmed certification online through the RAID website.

X. Maintaining Status

To maintain current instructor Status, instructors must teach at least two cave divers per year at their highest level. Instructors that are unable to achieve this may have to do a refresher. Written application is required. RAID requires all Cave 2 instructors to complete at least 10 cave dives outside of training per year.

CAVE INSTRUCTOR TRAINER PROGRAM

This level can only be earned by working with an HQ appointed examiner

I. Purpose

This course is designed to educate instructor Trainers to deliver the RAID Cave 1 and 2 instructor level programs.

NOTE: There are not separate IT levels for C1 and C2 instructor training.

II. Instructor Trainer Prerequisites

- Be a minimum of 21 years old.
- Submit current Rescue Breathing, CPR Training and Oxygen Provider instructor certificates.
- Certified and in status as a RAID Open Circuit instructor Trainer.
- Certified RAID Nitrox instructor Trainer.
- Certified RAID Deco 50 instructor Trainer or higher.
- Certified as a RAID Cave 2 instructor.
- Taught at least 25 Cave divers or equivalent (at least 10 MUST be RAID Cave).
- Submit proof of at least 250 logged cave dive hours.
- Certified and current Rescue Breathing / CPR / BLS Training and Oxygen Provider instructor.
- Submit a dive medical passed by a certified diving physician.
- Submit proof of liability insurance where applicable.
- All crossover instructor Trainer equivalent certifications must be emailed to RAID HQ for record keeping.
- Documented proof of prerequisites must be presented to the RRO and RAID HQ for approval prior to any in water training.

INSTRUCTOR TRAINER crossover PREREQUISITES

- As per the standards for INSTRUCTOR TRAINER PREREQUISITES above.
- crossover instructors Trainers need to complete a RAID IT crossover program and then a RAID Cave instructor IT crossover.
- instructors will need to submit proof of equivalent status .

III. Student to instructor Ratios

- Confined Water Training: - Maximum ratio: 6:1 with a maximum depth of 6m.
- Overhead Training: - Maximum ratio: 2:1

Note: When the water temperature is 6°C / 43°F and below or the visibility is less than 5 meters / 15 feet then the ratio is reduced to 2:1.

IV. Depth Limitations During Training

Maximum Depth of 30 meters: no limit to penetration (within cave gas management practices)

V. Supervision

A certified RAID Cave instructor Trainer is appointed by HQ and must hold tech examiner status.

The instructor Trainer must be a RAID Sidemount instructor trainer to teach a Cave instructor program in Sidemount configuration.

Cave IT must, be present and in direct supervision of all segments of the training.

CERTIFIED RAID INSTRUCTOR TRAINER ASSISTANT

A certified RAID Cave instructor Trainer Assistant is defined as a RAID Cave instructor Trainer, or an instructor Trainer certified as a RAID Cave instructor.

VI. Equipment Requirements

See C1 instructor

VII. Course Requirements

PRESENTATIONS:

instructor Trainer Candidates must:

- Present and pass at least one academic teaching presentation.
- Present and pass at least one confined water presentation.
- Present and pass at least one Open Water presentation.
- Each in-water presentation will consist of two skills.
- Present and pass at least one practical application.
- Present one Risk Management workshop / presentation.

The instructor Trainer must then be assessed on their ability to evaluate presentations conducted by instructor candidates. Each evaluation needs to be within the control score set by the RAID HQ appointed RAID IT Evaluator.

instructor Trainer Candidates will be evaluated on the topics below:

- Pass the Technical in-water pro skill circuit evaluation.
- At least two academic teaching presentations.
- At least two confined water presentations.
- At least two Open Water presentations.

Note: These sessions can be role play or with actual instructor candidates.

STAMINA EXERCISES

In water too deep to stand up in, all instructor Trainer Candidates must:

1. Swim 600 meters / 660 yards without stopping, using any swim stroke or combination of strokes, without the use of swimming aids, within 20 minutes. This exercise must be completed in bathing suit and without the use of buoyancy aids. However, if the environment does not permit this, students may wear exposure protection but must be weighted to be neutrally buoyant.
2. Swim 800 meters / 880 yards without stopping, using only mask, snorkel and fins, (no other swimming or buoyancy aids) within 15 minutes. If the environment does not permit this, students may wear exposure protection but must be weighted to be neutrally buoyant.
3. Swim underwater for 25 meters / 27 yards without surfacing, using only mask, snorkel and fins - no diving in or pushing off from the side.
4. In only a bathing suit and without the use of buoyancy or swimming aids, tread water without allowing the face or mouth to go underwater at any time for 15 minutes. During the final 3 minutes, the swimmer's hands must be out of the water.

If the environment does not permit this, students may wear exposure protection but must be weighted to be neutrally buoyant.

5. In full open circuit SCUBA equipment, as worn for the discipline and for the environment in which they will be diving, tow an inert diver who is also equipped with full SCUBA equipment, for 150 meters / 165 yards.
6. Following exhalation, do not remove the second stage mouthpiece and swim horizontally for 10 meters / 33 feet to a dive buddy who is facing the opposite direction. While signaling out of air, retrieve the regulator donated by the buddy, clear and breathe from it. After 3 full "sanity" breathes, signal OK and swim 50 meters / 65 yards within 4 minutes. Divers may not come to the surface at any time.

Repeat as per exercise 6 but with the out-of-air diver not wearing a mask.

Note: All swim tests must be passed before the end of the program. If any swim is failed it can be redone at any time prior to certification. Any swims that may have been completed within the last three (3) months may be credited.

PRO-SKILL CIRCUIT DEMONSTRATION AND EVALUATION

The objective of the Pro-Skill Circuit Evaluation is to improve diving skills to IT demonstration level. This means the skills need to be demonstrated at a level that new instructors can easily see all the sub-steps to the skill. instructor Trainers must demonstrate and pass the following skills from the Cave 1 and 2 programs. Scores are awarded as per the standard RAID evaluation criteria.

- These skills are as per the Cave 2 instructor skill circuit.
- This circuit must be completed in confined water or a swimming pool.
- The IT must evaluate the demonstration performance of other candidates per the criteria on the slate.

VIII. In-Water Training

Dive times for the instructor course are a minimum of:

- Confined water: Adequate time to show mastery with all skills.
- Overhead: 5 hours underwater.

IX. Certification

A RAID Cave IT may teach RAID C1 and C2 instructor and diver courses.

X. Maintaining Status

To maintain current instructor Status, instructor Trainers must teach at least two cave instructor candidates per year at their highest level. instructor Trainers that are unable to achieve this may have to do a refresher. Written application must be submitted to obtain recognition of status.

RAID requires all Cave instructor Trainers to complete 15 cave dives outside of training per year.

CCR TECHNICAL PROGRAM STANDARDS

These standards apply to the following CCR's:

- AP Inspiration XPD, EVO, EVP
- Liberty
- Hollis Prism 2
- KISS
- Dive Rite O2ptima
- JJ-CCR
- Lungfish
- SF2

REBREATHING DIVING PROCEDURES

All training dives in confined or open water sites must include:

- An Equipment Assembly Checklist must be completed and signed every time equipment is assembled.
- Consumables are checked by the students with an instructor confirming that the consumables are adequate for the next in-water training session.

TEACHING SPECIALTIES WHILE USING A REBREATHING

A certified rebreather instructor may use a rebreather while conducting open circuit open water training, with open circuit bail out, for the following recreational specialty programs:

- Nitrox
- Boat Diver
- Navigation
- Photography
- Basic Wreck
- Shark Diver

The Instructor must demonstrate all open circuit relevant skills using a standard recreational open circuit configuration and must confirm that all students have fully understood all these skills. The instructor must be able to perform all instructional duties.

DEPTH PROGRESSION BETWEEN DIVES

On some dives a minimum and maximum depth are noted in the instructor manual. As a rule, subsequent dives may not be more than 10m/33ft deeper than the previous dive depth.

CCR BREATHING GAS

The maximum gas density limit is 6.0 grams/liter. The recommended gas density limit is 5.2 grams/liter.

The maximum Equivalent Narcotic Depth (END) for all trimix training is 30 meters.

For CCR divers, both the primary and contingency dive plans must expose divers to no more than 80% CNS for a single dive, or 80% in 24 hours.

Bailout gas must be calculated at 50 liters per minute.

REBREATHER

To qualify as a rebreather dive leader, a diver shall be qualified as a rebreather decompression diver in accordance with this document on the rebreather unit being used by the students. The rebreather dive leader may use open circuit scuba or a rebreather. If a rebreather is used, the dive leader shall have logged a minimum of 25 dives and 40 hours with that rebreather since qualifying on it.

REBREATHER PROGRAMS

REBREATHER TRY DIVE

Note: The Try Dive course is not a certification course. It is a simple introduction to scuba diving designed as a safe, fun, and enjoyable experience.

I. Purpose

The RAID TRY Dive CCR experience program is designed to provide certified divers with a controlled dive experience as a general introduction to rebreather diving.

THIS IS NOT A CERTIFICATION PROGRAM.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 18 years old.
- Be certified as an Explorer 30 diver or equivalent.
- Complete the registration process, including all mandatory paperwork.

III. Student to Instructor Ratios

The maximum student-to-instructor ratios are:

- 2 Students: 1 Instructor

IV. Depth Limitations During Training

Confined Water Session – 5m/15ft Maximum

Open Water Dives 1 and 2 must be conducted to a maximum depth of 12m/40ft

V. Supervision

All training must be conducted by a RAID Rebreather instructor who is certified to teach on the unit being used by the student. The instructor must be physically present and in direct supervision of all segments of training. The instructor and all students must use the same unit (make) rebreather.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

The student must fulfil the following requirements.

1. Complete the online academic modules, quizzes, and exam.
2. Complete all the skill requirements as outlined in the relevant Instructor guide.
3. Complete all dives as outlined in section VIII.

VIII. In-Water Training

There is no minimum time requirement for this program, however, all skills must be mastered in a pool or confined water before progressing to open water.

IX. Certification

Participation in this program does not result in certification.

REBREATHER REBOOT

I. Purpose

The Rebreather Reboot course is designed to provide certified rebreather students with a knowledge and skills refresh if they haven't dived on a rebreather for 6 months or longer.

Limitations:

- This is not a certification program.
- The maximum planned loop PO₂ (setpoint) shall not exceed 1.3 bar.
- The maximum loop PO₂ shall not exceed 1.4 bar, except at depths of 6 m or less, and only for a maximum of two minutes.
- The inspired PO₂ of the open circuit bail out gas shall not exceed 1.6 bar.
- Diluent supply gas must contain a minimum of 21% oxygen.
- Use Oxygen (100%) for life support.
- Diluent on-board gas must not have a PO₂ higher than 1.1 bar at the maximum depth.

II. Student Prerequisites

- Be a minimum of 18 years old
- Be certified as a RAID Rebreather Diver or equivalent.
- Complete the registration process, including all mandatory paperwork.
- Complete the medical questionnaire and submit a valid certificate signed by a licensed medical practitioner if required.

III. Student to Instructor Ratios

The maximum student-to-instructor ratios are:

- 3 Students: 1 Instructor.

- 4 Students: 1 Instructor plus 1 certified assistant.

IV. Depth Limitations During Training

The confined water dive must not exceed 5m/15ft.

Optional open water dives may be conducted to a maximum depth of at least 30 meters / 100 feet.

V. Supervision

All training must be conducted by a RAID Rebreather instructor for the specific unit. The instructor must be physically present and in direct supervision of all segments of training.

A certified assistant must be a RAID divemaster or higher, qualified as a rebreather diver, on the rebreather unit being used by the students. The certified assistant may use open circuit scuba or a rebreather. The certified assistant must have logged a minimum of 25 dives and 40 hours on CCR.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

Additional equipment required:

- One bailout cylinder with sufficient capacity for a safe bailout from depth based on a 50 liter/ 2 cubic feet per minute SAC rate.

VII. Course Requirements

To obtain certification, the student must fulfil the following requirements.

1. Complete the online academic modules, quizzes, and exam.
2. Complete all the skill requirements as outlined in the relevant Instructor guide.
3. Complete all dives as outlined in section VIII.

VIII. In-Water Training

Confined Water

A minimum of one confined water dive of at least 60 minutes.

Open Water

An optional open water dive may be completed of at least 60 minutes.

IX. Certification

The student will receive an e-card to proof completion of their refresher but this course does not result in certification.

SPORT REBREATHING DIVER

I. Purpose

The Sport Rebreather diver course is designed to provide students with the knowledge and skills to safely and efficiently conduct rebreather dives to a maximum depth of 30m/100ft with a certified dive buddy. This course is unit specific.

This program applies to the following rebreathers:

- Poseidon MKVI
- Poseidon Se7en

Limitations:

- This is a no decompression course.
- The maximum planned loop PO2 (setpoint) shall be 1.3 bar.
- The maximum loop PO2 shall not exceed 1.4 bar, except at depths of 6 m or less, and only for a maximum of two minutes.

- The inspired PO₂ of the open circuit bail out gas shall not exceed 1.6 bar.
- Diluent supply gas must contain a minimum of 21% oxygen.
- Divers shall not carry an on-board diluent gas with a PO₂ higher than 1.1 bar at the maximum depth.
- Helium may not be used during training.

II. Student Prerequisites

A student taking this course must:

- Be a minimum of 18 years old
- Be certified as a RAID Explorer 30 diver or equivalent.
- Be certified as a RAID Nitrox diver or equivalent.
- Have logged 20 open water dives with at least 15 hours underwater using open circuit scuba.
- Complete the registration process, including all mandatory paperwork.

III. Student to Instructor Ratios

The maximum student-to-instructor ratios are:

- 3 Students: 1 Instructor
- 4 Students: 1 Instructor plus 1 certified assistant
- 4 Students if one of the students is already a certified CCR diver participating on a crossover course.
- 4 Students if one of the students is participating in a CCR refresher program.

IV. Depth Limitations During Training

Confined Water Session – 6m/20ft Maximum

Two open water dives must be conducted to a depth of at least 24 meters / 80 feet.

V. Supervision

All training must be conducted by a RAID rebreather instructor for the specific unit. The instructor must be physically present and in direct supervision of all segments of training **and using the same rebreather as the student for all segments of the course.**

A certified assistant must be a divemaster or higher who is also certified as a rebreather diver with a thorough understanding of the rebreather being taught or, certified on the rebreather being taught. The certified assistant must have logged a minimum of 25 dives and 40 hours on CCR.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

VII. Course Requirements

To obtain certification, the student must fulfil the following requirements.

1. Complete the online academic modules, quizzes, and exam.
2. Complete all the skill requirements as outlined in the relevant Instructor guide.
3. Complete all dives as outlined in section VIII.

VIII. In-Water Training

Confined Water

A minimum of one confined water session of at least 60 minutes

Open Water

A minimum of 6 open water dives with at least 300 minutes of underwater training.

- **There must be at least 8 in-water sessions with a total minimum in-water time of 420 minutes.**

IX. Certification

This certification enables divers to safely and efficiently conduct no decompression rebreather dives with a certified buddy to a maximum of 30m/100ft using 100% oxygen and a diluent of at least 21% oxygen with a maximum setpoint of 1.3 PO₂ on the specific unit being trained on.

REBREATHER DIVER (40M)

I. Purpose

The Rebreather Diver course is designed to provide students with the knowledge and skills to safely and efficiently conduct no decompression rebreather dives to a maximum depth of 40m/130ft. This course is unit specific.

Limitations:

- This program is a no decompression program.
- The maximum planned loop PO₂ (setpoint) shall not exceed 1.3 bar.
- The maximum loop PO₂ shall not exceed 1.4 bar, except at depths of 6 m or less, and only for a maximum of two minutes.
- The inspired PO₂ of the open circuit bail out gas shall not exceed 1.6 bar.
- Diluent supply gas must contain a minimum of 21% oxygen.
- Use Oxygen (100%) for life support.
- Diluent on-board gas must not have a PO₂ higher than 1.1 bar at the maximum depth.
- Helium may not be used during training.

II. Student Prerequisites

For open circuit divers with no prior CCR certification:

- Be a minimum of 18 years old
- Be certified as a RAID Deco 40 diver or equivalent.
- Have logged 30 open water dives with at least 25 hours underwater and have logged at least 5 dives to a minimum of 30m/100ft.
- Complete the registration process, including all mandatory paperwork.

If already certified as a RAID Sport Rebreather diver or equivalent:

- Be a minimum of 18 years old
- RAID Deco 40 Diver or Equivalent.
- Have logged 20 open water dives with at least 20 hours underwater using a rebreather
- Complete the registration process, including all mandatory paperwork.
- Complete the medical questionnaire and submit a valid certificate signed by a licensed medical practitioner if required.

III. Student to Instructor Ratios

The maximum student-to-instructor ratios are:

- 3 Students: 1 Instructor.
- 4 Students: 1 Instructor plus 1 certified assistant.
- 4 Students if one of the students is already a certified CCR diver participating on a crossover course.
- 4 Students if one of the students is participating in a CCR refresher program.

IV. Depth Limitations During Training

The confined water dive must not exceed 5m/15ft.

At least Two open water dives must be conducted to a depth of at least 27 meters / 90 feet.

V. Supervision

All training must be conducted by a RAID Rebreather Instructor for the specific unit. The instructor must be physically present and in direct supervision of all segments of training **and using the same rebreather as the student for all segments of the course.**

A certified assistant must be a RAID divemaster or higher, qualified as a RAID Rebreather Diver or higher, on the rebreather unit being used by the students. The certified assistant may use open circuit scuba or a rebreather. The certified assistant must have logged a minimum of 25 dives and 40 hours on CCR.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

Additional equipment required:

- One bailout cylinder with sufficient capacity for a safe bailout from depth based on a 50 liter/ 2 cubic feet per minute SAC rate.

VII. Course Requirements

To obtain certification, the student must fulfil the following requirements.

1. Complete the online academic modules, quizzes, and exam.
2. Complete all the skill requirements as outlined in the relevant Instructor guide.
3. Complete all dives as outlined in section VIII.

VIII. In-Water Training

There must be at least 8 in-water sessions with a minimum in-water time of 480 minutes. Students crossing over from another rebreather are required to do a minimum of 3 in-water sessions with a minimum time of 240 minutes.

Confined Water

A minimum of one confined water dive of at least 60 minutes.

Open Water

A minimum of 6 open water dives with at least 360 minutes of underwater training.

Note: If only one confined dive is completed, then 7 open water dives must be conducted. If two confined dives are completed, then 6 open water dives must be conducted.

IN WATER TRAINING FOR STUDENTS ALREADY CERTIFIED AS CCR DIVERS ON OTHER UNITS

- Confined water: Adequate time to show competency of all skills.
- Open water: 3 hours minimum
- Total in water time: 4 hours minimum
- Dives: 3 minimum

IX. Certification

This certification enables divers to safely and efficiently conduct no decompression rebreather dives to a maximum of 40m/130ft using 100% oxygen and a diluent of at least 21% oxygen on the specific unit being trained on.

The Rebreather Decompression Diver / Limited Trimix program may be bolted onto the Rebreather diver program for successful participants who meet the prerequisites. When completing this option, refer to the Decompression Diver / Limited Trimix Diver standards.

REBREATHER DECOMPRESSION DIVER / LIMITED TRIMIX DIVER

I. Purpose

The Rebreather Diver / Limited Trimix course is designed to provide students with the knowledge and skills to safely and efficiently conduct rebreather dives to a maximum depth of 40m/130ft using air or nitrox as a breathing gas or to 45m/145ft using trimix as a breathing gas. The maximum decompression obligation may not exceed 10 minutes. This course is unit specific.

Limitations:

- This program has a maximum 10 minutes of scheduled decompression.
- The maximum planned loop PO₂ (setpoint) shall be not exceed 1.3 bar.
- The maximum loop PO₂ shall not exceed 1.3 bar, except at depths of 6 m or less, and only for a maximum of two minutes.
- The inspired PO₂ of the open circuit bail out gas shall not exceed 1.6 bar.
- When participating in the Decompression course, the diluent supply gas must contain a minimum of 21% oxygen.
- When participating in the Limited Trimix course, the diluent supply gas must contain a minimum of 20% oxygen and the helium content must not exceed 35%.
- The maximum END/EAD of the diluent must not exceed 30 meters / 100 feet.
- Use Oxygen (100%) for life support.
- Diluent on-board gas must not have a PO₂ higher than 1.1 bar at the maximum depth.

II. Student Prerequisites

For open circuit divers with no prior CCR certification:

- Be a minimum of 18 years old
- Be certified as a RAID Deco 40 diver or equivalent.
- Have logged 30 open water dives with at least 25 hours underwater and have logged at least 5 dives to a minimum of 30m/100ft.
- Complete the registration process, including all mandatory paperwork.

If already certified as a RAID Sport Rebreather diver or equivalent:

- Be a minimum of 18 years old
- Have logged 20 open water dives with at least 20 hours underwater using a rebreather
- Complete the registration process, including all mandatory paperwork.
- Complete the medical questionnaire and submit a valid certificate signed by a licensed medical practitioner if required.

III. Student to Instructor Ratios

The maximum student-to-instructor ratios are:

- 3 Students: 1 Instructor.
- 4 Students: 1 Instructor plus 1 certified assistant.
- 4 Students if one of the students is already a certified CCR diver participating on a crossover course.
- 4 Students if one of the students is participating in a CCR refresher program.

When the water temperature is 6°C / 43°F OR below, or the visibility is less than 5 metres/15 feet then the ratio for rebreather training can only be 2 students to 1 instructor or 3 students to 1 Instructor with a Certified RAID CCR Assistant.

IV. Depth Limitations During Training

- The confined water dive must not exceed 5m/15ft.
- For divers participating in the 40m/130ft program, two open water dives must be conducted to a depth of at least 27 meters / 90 feet.

- For divers participating in the 45m/145ft program, two open water dives must be conducted to a depth of at least 35 meters / 115 feet.

V. Supervision

All training must be conducted by a RAID Rebreather instructor for the specific unit. The instructor must be physically present and in direct supervision of all segments of training **and using the same rebreather as the student for all segments of the course.**

A certified assistant must be a RAID divemaster or higher, qualified as a Decompression Rebreather diver or higher, on the rebreather unit being used by the students. The certified assistant may use open circuit scuba or a rebreather. The certified assistant must have logged a minimum of 25 dives and 40 hours on CCR.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

Additional equipment required:

- One bailout cylinder with sufficient capacity for a safe bailout from depth based on a 50 liter/ 2 cubic feet per minute SAC rate.
- One optional decompression gas if required to maintain the 10-minute maximum decompression obligation.

VII. Course Requirements

To obtain certification, the student must fulfil the following requirements.

1. Complete the online academic modules, quizzes, and exam.
2. Complete all the skill requirements as outlined in the relevant Instructor guide.
3. Complete all dives as outlined in section VIII.

VIII. In-Water Training

There must be at least 8 in-water sessions with a minimum in-water time of 480 minutes. Students crossing over from another rebreather are required to do a minimum of 3 in-water sessions with a minimum time of 240 minutes.

Confined Water

A minimum of one confined water dive of at least 60 minutes.

Open Water

A minimum of 6 open water dives with at least 360 minutes of underwater training.

Note: If only one confined dive is completed, then 7 open water dives must be conducted. If two confined dives are completed, then 6 open water dives must be conducted.

There can be no more than three in-water sessions per day and no more than two open water dives per day if any of those open water dives require mandatory decompression stops.

For divers combining Rebreather Diver and Decompression Diver or Limited Trimix Diver, all skills from both courses must be mastered and at least one simulated decompression dive, one decompression dive, and one dive using open circuit bailout with simulated decompression not exceeding 10 minutes must be completed.

IN WATER TRAINING FOR STUDENTS ALREADY CERTIFIED AS CCR DIVERS ON OTHER UNITS

- Confined water: Adequate time to show competency of all skills.
- Open water: 3 hours minimum
- Total in water time: 4 hours minimum
- Dives: 3 minimum

IX. Certification

As this course can be combined with Rebreather Diver, certification level awarded is at the discretion of the instructor. This unit specific certification enables divers to safely and efficiently conduct 10-minute decompression rebreather dives to a maximum of 40m/130ft using an air or nitrox breathing gas, or to 45m/145ft using a trimix breathing gas on the specific unit being trained on.

Upgrading to Limited Trimix

If you have previously completed the RAID Decompression Diver course and wish to upgrade to the 45m Limited Trimix level you need to attend and complete with competence:

- 1 classroom session with your instructor.
- 1 confined session with your instructor covering they key skills of this course.
- 2 open water dives (dives 7 and 8).

NORMOXIC TRIMIX REBREATHER DIVER

I. Purpose

This course is designed to safely train tech CCR students to:

- Plan and conduct decompression dives to a maximum depth of 60 metres / 200 feet using a normoxic trimix on a specific rebreather.
- The maximum planned loop PO₂ (setpoint) shall be not exceed 1.3 bar.
- The maximum loop PO₂ shall not exceed 1.4 bar, except at depths of 6 m or less, and only for a maximum of two minutes.
- The inspired PO₂ of the open circuit bail out gas shall not exceed 1.6 bar.
- The diluent supply gas must contain a minimum of 16% oxygen.
- The maximum END/EAD of the diluent must not exceed 30 meters / 100 feet.
- Diluent on-board gas must not have a PO₂ higher than 1.1 bar at the maximum depth.
- Use a minimum use of 3 stage cylinders.

II. Student Prerequisites

- Minimum age of 18 years at the start of training.
- RAID Decompression Diver or Limited Trimix Diver or equivalent.
- Certified as Master Rescue Diver.
- Certified as RAID First Aid and Oxygen Provider or equivalent.
- Minimum of 50 hours using a CCR with at least 25 dives and 25 hours on the specific unit to be used on this course, A minimum of 20 dives deeper than 30 meters / 100 feet and at least 10 dives that required staged decompression.
- Submit a dive medical passed by a certified diving physician.
- Divers already certified as rebreather divers with at least 25 hours logged in the 12 months prior to training, may participate in the CCR (Cross Over) program, as they are already proficient in rebreather diving and only need specific knowledge, skills and time on the CCR.

III. Student to instructor Ratios

The maximum student-to-instructor ratios are:

- 3 Students: 1 Instructor.
- 4 Students: 1 Instructor plus 1 certified assistant.

When the water temperature is 6°C / 43°F OR below, or the visibility is less than 5 metres/15 feet then the ratio for rebreather training can only be 2 students to 1 instructor or 3 students to 1 Instructor with a Certified RAID CCR Assistant.

VI. Equipment Requirements

Refer to “Equipment Requirements” in the RGDS.

In addition:

2 / 3 x Stage Cylinder Rigs fitted the following:

- One Regulator with 1m/3ft hose and SPG for bailout (Recommended DIN and SPG on a 6-inch hose).
- One BCD feed hose to be used for drysuit or manual addition valve feed.
- One side slung stage cylinder (minimum 7L cylinder, recommended 11,2L / 80cf.)
- Accessories & Exposure Protection
- Redundant backup CCR/OC computer
- 1 x wetnotes

OR

- 1 x wrist slate or finger slate
- 1 x Orange SMB and reel/spool
- 1 x Yellow SMB and reel/spool
- 1 x knife/cutting device
- 1 x Primary Mask
- 1 x Backup Mask
- 1 x torch/light/underwater lamp where appropriate
- 1 x backup torch/light/underwater lamp
- 1 x exposure suit – a dry suit must have interchangeable inflator system with inflator LP hose
- Smartphone, Tablet or Laptop with Decompression Software
- Access to an Oxygen Helium analyzer where needed

Note: The instructor must be using the same unit as the student for the duration of the course

V. Supervision

A “RAID Normoxic Trimix Instructor” is defined as an in-status instructor who has been approved, accepted and trained by RAID and the manufacturer to teach on the rebreather specified. The instructor must be present and in control of all segments of training **and using the same rebreather as the student for all segments of the course.**

A certified assistant is defined as:

A RAID Normoxic Trimix Instructor

OR

A RAID Divemaster who is certified as a RAID Normoxic Trimix diver.

The certified assistant must have logged a minimum of 25 dives and 40 hours on CCR.

IV. Depth Limitations During Training

Training dive depth limits are outlined in the CCR training materials. Training dives must not exceed the maximum depth 6 meters / 20 feet in confined water and a maximum of 60 meters / 200 feet in open water.

Two open water dives must be made to at least 45 meters /150 feet and at least one open water dive must be made to at least 55 m.

Open water dives must be planned to have no more than 60 minutes of mandatory decompression stops on a single dive.

VII. Course Requirements

To obtain certification, the student must fulfil the following requirements.

- a) Complete the online academic modules, quizzes, and exam.
- b) Complete all the skill requirements as outlined in the relevant Instructor guide.
- c) Complete all dives as outlined in section VIII.
- d) Pass the swim and stamina/stress tests as appropriate.

VIII. In-Water Training

There must be at least 6 in-water sessions with a minimum in-water time of 360 minutes. Students crossing over from another rebreather are required to do a minimum of 3 in-water sessions with a minimum time of 180 minutes.

Confined Water

A minimum of one confined water dive.

Open Water

A minimum of 5 open water dives with at least 300 minutes of underwater training.

There can be no more than three in-water sessions per day and no more than two open water dives per day if any of those open water dives require mandatory decompression stops.

IN WATER TRAINING FOR STUDENTS ALREADY CERTIFIED AS DECO 60 CCR DIVERS ON OTHER UNITS

- Confined water: Adequate time to show competency of all skills.
- Open water: 2 hours minimum
- Total in water time: 3 hours minimum
- Dives: 4 minimum

There can be no more than three in-water sessions per day and no more than two open water dives per day if any of those open water dives require mandatory decompression stops.

IX. Certification

This certification enables divers to safely and efficiently conduct decompression rebreather dives to a maximum of 60m/200ft using a normoxic trimix breathing gas.

HYPOXIC TRIMIX REBREATHING DIVER

I. Purpose

This course is designed to safely train tech CCR students to:

- Plan and conduct decompression dives to a maximum depth of 100 metres / 330 feet using hypoxic trimix.
- 80m/260ft certification option available (Limited Hypoxic Trimix Diver).
- The maximum planned loop PO₂ (setpoint) shall not exceed 1.3 bar.
- The maximum loop PO₂ shall not exceed 1.4 bar, except at depths of 6 m or less.
- The inspired PO₂ of the open circuit bail out gas shall not exceed 1.6 bar.
- The diluent supply gas must contain a minimum of 10% oxygen.
- The maximum END/EAD of the diluent must not exceed 30 meters / 100 feet.
- Diluent on-board gas must not have a PO₂ higher than 1.1 bar at the maximum depth.
- Minimum use of 4 stage cylinders.

II. Student Prerequisites

- Minimum age of 18 years at the start of training.

- RAID Normoxic Trimix Rebreather Diver.
- Certified and current RAID Rescue Breathing/CPR/BLS Training and Oxygen Provider.
- Minimum 100 hours of CCR diving.
- Minimum of 50 hours using the specific CCR being trained on, with 30 dives deeper than 30 meters / 100 feet, 10 dives deeper than 50 meters / 165 feet and at least 20 dives that required staged decompression.
- Submit a dive medical passed by a certified diving physician.

III. Student to instructor Ratios

The maximum student-to-instructor ratios are:

- 3 Students: 1 Instructor.
- Use of a certified assistant is recommended but does not increase ratios.

When the water temperature is 6°C / 43°F OR below, or the visibility is less than 5 metres/15 feet then the ratio for rebreather training can only be 2 students to 1 instructor or 3 students to 1 Instructor with a Certified RAID CCR Assistant.

VI. Equipment Requirements

For this course, the instructor and students will be required to have use of the following as a minimum:

A complete CCR with wing, plate and harness

4 x Stage Cylinder Rigs fitted the following:

- One Regulator with 1m/3ft hose and SPG for bailout (DIN and SPG on a 6-inch hose).
- One BCD feed hose to be used for drysuit or manual addition valve feed.
- One side slung stage cylinder (recommended 11,2L / 80cf. 7L/40cf may be used for an oxygen bailout cylinder)

Accessories & Exposure Protection

- Redundant backup CCR/OC computer
- 1 x wetnotes
- 1 x wrist slate or finger slate
- 1 x Orange SMB and reel/spool
- 1 x Yellow SMB and reel/spool
- 2 x knife/cutting device
- 1 x Primary Mask
- 1 x Backup Mask
- 1 x torch/light/underwater lamp where appropriate
- 1 x backup torch/light/underwater lamp
- 1 x exposure suit – a dry suit must have interchangeable inflator system with inflator LP hose
- 1 x offboard suit inflation system
- Urination system
- Smartphone, Tablet or Laptop with Decompression Software
- Access to an Oxygen Helium analyzer

Note: The instructor must be using the same unit as the student for the duration of the course

V. Supervision

A “RAID Hypoxic Trimix Instructor” is defined as an in-status instructor who has been approved, accepted and trained by RAID and the manufacturer to teach the Hypoxic Trimix Rebreather course. The instructor must be present and in control of all segments of training and using the same rebreather as the student for all segments of the course.

A certified assistant is defined as:

A RAID Hypoxic Trimix Instructor

OR

A RAID Divemaster who is certified as a Hypoxic Trimix diver.

IV. Depth Limitations During Training

Training dive depth limits are outlined in the CCR training materials. Training dives must not exceed the maximum depth of 100 meters / 330 feet (80m/260ft for 80m/260ft certification) in open water. All mixed gas dives must be deeper than 40 meters / 130 feet.

VII. Course Requirements

To obtain certification, the student must fulfil the following requirements.

- a) Complete the online academic modules, quizzes, and exam.
- b) Complete all the skill requirements as outlined in the relevant Instructor guide.
- c) Complete all dives as outlined in section VIII.
- d) Pass the swim and stamina/stress tests as appropriate.

VIII. In-Water Training

There must be at least 7 in-water sessions with a minimum in-water time of 420 minutes. Students crossing over from another rebreather are required to do a minimum of 3 in-water sessions with a minimum time of 180 minutes.

Confined Water

At least 1 dive must be done in confined water or in open water to a maximum depth of 40m/130ft as a skills refresher and skills update dive.

Open Water

- A minimum of 6 open water dives with at least 340 minutes of underwater training.
- All dives deeper than 40m/130ft must be conducted using an appropriate trimix diluent.
- Depths for all dives should be increased incrementally.
- At least 2 dives must be deeper than 75 meters / 245 feet (65m/213ft for Limited Hypoxic Trimix certification), of which at least one open water dive shall be made to at least 90m/300ft (70m/230ft for Limited Hypoxic Trimix certification).

There can be no more than two in-water sessions per day and no more than one open water dive per day if any of those open water dives require more than 45 minutes of mandatory decompression stops.

IN WATER TRAINING FOR STUDENTS ALREADY CERTIFIED AS HYPOXIC CCR DIVERS ON OTHER UNITS

- Confined water: Adequate time to show competency of all skills.
- Open water: 2 hours minimum
- Total in water time: 3 hours minimum
- Open Water Dives: 3 minimum

UPGRADE PROCEDURE FOR STUDENTS CERTIFIED AS HYPOXIC 80M/260FT TO 100M/330FT

- Confined water: If required
- Open water: 2 hours minimum
- Total in water time: 2 hours minimum
- Open Water Dives: 2 minimum (a checkout dive is recommended in addition to dives 6 and 7)

IX. Certification

This course is designed to safely train CCR students to conduct decompression dives to a maximum depth of 100m/ 330ft using a hypoxic trimix diluent with a minimum of 10% oxygen. Students may opt to be certified to 80m/260ft (Limited Hypoxic Trimix) if they choose and upgrade when they feel they have adequate experience.

To upgrade from Limited Hypoxic to Hypoxic, students are required to do a minimum of 2 dives with a Hypoxic Instructor with at least 1 dive over 90m/300ft.

This course is unit specific

LEADERSHIP COURSES AND RATINGS (TECHNICAL CLOSED CIRCUIT)

These standards apply to the following CCR's

- AP Inspiration XPD, EVO, EVP
- Liberty
- Hollis Prism 2
- KISS
- Dive Rite O2ptima
- Lungfish
- X-CCR
- JJ-CCR
- SF2

Becoming a RAID Rebreather Instructor is determined by proof of meeting RAID standards, the satisfactory completion of the instructor training course with an approved RAID IT and the manufacturer approval.

All leadership level candidates must complete the following:

Stamina exercises

In water too deep to stand up in, Instructor Candidates must:

1. Swim 600 metres/600 yards without stopping, using any swim stroke or combination of strokes, without the use of swimming aids, within 20 minutes. This exercise should be completed in bathing suit and without the use of buoyancy aids. However, if the environment does not permit this, students may wear exposure protection but must be weighted neutrally buoyant.
2. Swim 800 metres/800 yards without stopping, using only mask, snorkel and fins, (no other swimming or buoyancy aids) within 15 minutes. if the environment does not permit this, students may wear exposure protection but must be weighted neutrally buoyant.
3. In only a bathing suit and without the use of buoyancy or swimming aids, tread water without allowing the face or mouth go underwater at any time for 15 minutes. During the final 3 minutes, the swimmer's hands must be out of the water. if the environment does not permit this, students may wear exposure protection but must be weighted neutrally buoyant.
4. In full closed circuit scuba equipment, as worn for the particular discipline and for the environment in which they will be diving, tow an inert diver who is also equipped with full scuba equipment, for 150 metres/150 yards.

Note: All swim tests must be passed before the end of the program. If any swim is failed it can be redone at any time prior to certification. Any swims that may have been completed within the last 3 months may be credited.

Pro skillcircuit demonstration

In a pool or confined water instructors must demonstrate and pass the following skills from the RAID CCR Tech CCR program. Scores are awarded as per the standard RAID evaluation criteria.

- S-Drill
- Optimum loop volume
- High O₂
- Low O₂
- Diluent Flush
- Manual addition of O₂ to maintain PO₂
- Neutral buoyancy and trim.
- Open circuit bailout swim.
- Stage remove and replace underwater.
- SMB deployment while hovering.
- Lost mask procedures
- Open Circuit Bailout Ascent

Note: All skills must be completed neutrally buoyant.

MAINTAINING INSTRUCTOR STATUS

In order to maintain current Tech CCR Instructor Status, Instructors must:

- Maintain registered ownership of the specific CCR.
- Conduct at least one RAID Rebreather Diver, or participate in one CCR Instructor course per 2 years. Instructors that are unable to achieve this *may* have to do a refresher.
- Log a minimum 25 hours underwater using the specific CCR per year (12 months).
- Attend and satisfactorily complete an Instructor Trainer Update Workshop if required.
- Maintain up to date Instructor registration with the manufacturer.
- Attend and satisfactorily complete an specific CCR factory update when requested

REBREATHER LIMITED TRIMIX INSTRUCTOR PROGRAM

I. Purpose

This course is designed to safely train Instructors to teach and certify RAID Rebreather Divers, Rebreather Decompression Divers and Limited Trimix Divers on specific rebreather units.

II. Instructor Prerequisites

- Minimum 21 years old.
- RAID Deco 50 OC Instructor or equivalent.
- Certified and in status as a RAID Rebreather Instructor.
OR
- Complete the units specific Rebreather Instructor Development Program with a factory approved Instructor Trainer
- Certified RAID Limited Trimix Diver for a minimum of 12 months.

- Must provide proof of 200 hours logged underwater.
- Must provide proof of a minimum of 100 logged hours underwater on the specific Rebreather.
- Must own the CCR been trained on.
- Certified as RAID First Aid and Oxygen Provider Instructor or equivalent.
- Submit a dive medical passed by a certified diving physician.
- Submit proof of liability insurance where applicable.
- If the unit is a RAID approved sidemount CCR then the diver must hold the RAID sidemount instructor or equivalent certification.
- Must be approved by the rebreather factory **before** enrolment on the instructor program.

INSTRUCTOR CROSS OVER PREREQUISITES

CCR Rebreather Instructors from recognized training agencies may complete a cross over program subject to the RAID General Diving Standards.

IN ADDITION TO THE STANDARDS FOR INSTRUCTOR PREREQUISITES ABOVE.

- Cross over Instructors need to have completed a RAID Open Circuit Instructor cross over program prior to completing a RAID Rebreather Instructor cross over program for the specific rebreather.
- Must be approved by the rebreather manufacturer.
- Be in good standing with no outstanding Quality Assurance queries with any agency.
- Must provide proof of equivalency rebreather instructor status.
- At the discretion of RAID HQ or the RAID Dive Centre and Instructor Trainer:
 - Assist a RAID CCR Instructor with a complete RAID CCR Course, after which the RAID CCR IT and Dive Centre may sign off the in-water skills and certification

OR

- Complete a practical cross over with a RAID CCR Instructor Trainer.

III. Instructor Candidate to IT Ratios

Use your discretion as a RAID instructor to determine whether the conditions warrant reducing the maximum ratios as stated below. Always consider group control and student safety.

Confined Water Training

Maximum ratio: 4 students: 1 Instructor

Open Water Training

Maximum ratio: 3 students: 1 Instructor

4 students 1 Instructor with a certified assistant.

When the water temperature is 6°C / 43°F OR below, or the visibility is less than 5 metres/15 feet then the ratio for rebreather training can only be: 2 students to 1 instructor

IV. Equipment Requirements

As per rebreather diver standards

Note: The IT must be using the same unit as the candidate for the duration of the course

V. Supervision

CERTIFIED RAID CCR INSTRUCTOR TRAINER

A renewed and in status, certified RAID CCR Tech CCR Instructor Trainer and Rebreather Instructor Trainer, The instructor must be present and in control of all segments of training and using the same rebreather as the student for all segments of the course.

Certified raid assistant

A certified instructor assistant may be another RAID CCR Tech CCR Instructor or Instructor Trainer.

VI. Depth Limitations During Training

Training dive depth limits are outlined in the CCR training materials. Training dives must not exceed the maximum depth 6 meters / 20 feet in confined water and a maximum of 40 meters / 130 feet in open water.

VII. Course Requirements

To earn certification, the student must fulfill the following requirements:

- 1) Complete and pass all online academic modules, quizzes, and exam.
- 2) Present and pass at least one academic teaching presentation
- 3) Present and pass at least one confined water presentation
- 4) Present and pass at least one open water presentation
 - a) Each in-water presentation will consist of 2 skills.
- 5) Present and pass at least one practical application.
- 6) Pass the skill circuit
- 7) Assist a RAID CCR Specialty Instructor with a complete RAID CCR Course, after which the RAID CCR IT and Dive Centre may sign off the in-water skills and certification
 - OR
- 8) Complete a practical cross over with a RAID CCR Instructor Trainer.
- 9) Pass the swim and stamina/stress tests as appropriate.
- 10) Complete all the skill requirements as outlined in the instructor Guidelines for Confined Water Training and Open Water Training.
- 11) All confined and open water skills are completed and signed off through the RAID Website by both the instructor and student.
- 12) The student has logged all their training dives on-line in their personnel "e-Logbook"
- 13) The RAID Dive Centre has confirmed certification online through the RAID web site and uploaded any relevant documentation.

Note: These sessions can be role play or with actual new RAID CCR Tech CCR students.

VIII. In-Water Training

To be able to incorporate all the skills required in this program, the total minimum dive time:

- Confined water: Adequate time to show competency of all skills.
- Open water: 5 hours minimum
- Total in water time: 6 hours minimum
- Dives: 6 minimum

IN WATER TRAINING FOR INSTRUCTORS ALREADY CERTIFIED AS TECH CCR INSTRUCTORS WITH AN APPROVED AGENCY

- Confined water: Adequate time to show competency of all skills.
- Open water: 3 hours minimum
- Total in water time: 3 hours minimum
- Dives: 4 minimum

IX. Certification

Successful candidates may certify RAID Rebreather Divers, Rebreather Decompression Divers and Limited Trimix Divers on specific rebreather units.

NORMOXIC TRIMIX REBREATHER INSTRUCTOR PROGRAM

I. Purpose

This course is designed to safely train Instructors to teach and certify RAID Normoxic Trimix Rebreather divers to plan and conduct decompression dives to a maximum depth of 60 metres / 200 feet using a trimix diluent with a minimum of 16% oxygen on a specific CCR.

II. Instructor Prerequisites

- Minimum 21 years old.
- Certified and in status as a RAID Limited Trimix Instructor for a minimum of 12 months.
- RAID Deco 60 Instructor for a minimum of 12 months.
- Minimum of 15 students, Rebreather Diver, Decompression Diver, Limited Trimix Diver or Open Circuit Deco 60.
- Must own the CCR been trained on.
- Logged a minimum of 25 dives in excess of 45 meters / 145 feet using trimix with the rebreather to be used during this program.
- Certified and current RAID First Aid and Oxygen Provider Instructor or equivalent.
- Submit a dive medical passed by a certified diving physician.
- Submit proof of liability insurance where applicable.
- If the unit is a RAID approved sidemount CCR then the diver must hold the RAID sidemount instructor or equivalent certification.
- Must be approved by the CCR factory before enrolled on the instructor program.

INSTRUCTOR CROSS OVER PREREQUISITES

CCR Rebreather Instructors from recognized training agencies may complete a cross over program subject to the RAID General Diving Standards.

IN ADDITION TO THE STANDARDS FOR INSTRUCTOR PREREQUISITES ABOVE.

- Cross over Instructors need to complete a RAID Rebreather Instructor cross over program
- Be in good standing with no outstanding Quality Assurance queries with any agency.
- Must provide proof of equivalency Technical CCR instructor status on a specified rebreather.
- At the discretion of RAID HQ or the RAID Dive Centre and Instructor Trainer:
 - Assist a RAID CCR Instructor with a complete RAID CCR Course, after which the RAID CCR IT and Dive Centre may sign off the in-water skills and certification

OR

- Complete a practical cross over with a RAID CCR Instructor Trainer.

III. Instructor Candidate to IT Ratios

Use your discretion as a RAID instructor to determine whether the conditions warrant reducing the maximum ratios as stated below. Always consider group control and student safety.

Confined Water Training

Maximum ratio: 4 students: 1 Instructor

Open Water Training

Maximum ratio: 3 students: 1 Instructor

4 students 1 Instructor with a certified assistant.

When the water temperature is 6°C / 43°F OR below, or the visibility is less than 5 metres/15 feet then the ratio for rebreather training can only be: 2 students to 1 instructor

IV. Equipment Requirements

As per Normoxic Trimix Diver standards

Note: The IT must be using the same unit as the candidate for the duration of the course

V. Supervision

CERTIFIED RAID NORMOXIC INSTRUCTOR TRAINER

A renewed and in status, factory approved, certified RAID Normoxic Trimix Instructor Trainer and Rebreather Instructor Trainer, The instructor must be present and in control of all segments of training [and using the same rebreather as the student for all segments of the course.](#)

Certified RAID assistant

A certified instructor assistant may be another RAID Normoxic Trimix Instructor or Instructor Trainer.

VI. Depth Limitations During Training

Training dive depth limits are outlined in the CCR training materials. Training dives must not exceed the maximum depth 6 meters / 20 feet in confined water and a maximum of 60 meters / 200 feet in open water.

VII. Course Requirements

To earn certification, the student must fulfill the following requirements:

- 1) Complete and pass all online academic modules, quizzes, and exam.
- 2) Present and pass at least one academic teaching presentation
- 3) Present and pass at least one confined water presentation
- 4) Present and pass at least one open water presentation
 - a) Each in-water presentation will consist of 2 skills.
- 5) Present and pass at least one practical application.
- 6) Pass the skill circuit
- 7) Assist a RAID CCR Specialty Instructor with a complete RAID CCR Course, after which the RAID CCR IT and Dive Centre may sign off the in-water skills and certification

OR
- 8) Complete a practical cross over with a RAID CCR Instructor Trainer.

- 9) Pass the swim and stamina/stress tests as appropriate.
- 10) Complete all the skill requirements as outlined in the instructor Guidelines for Confined Water Training and Open Water Training.
- 11) All confined and open water skills are completed and signed off through the RAID Website by both the instructor and student.
- 12) The student has logged all their training dives on-line in their personnel "e-Logbook".
- 13) The RAID Dive Centre has confirmed certification online through the RAID web site and uploaded any relevant documentation.

Note: These sessions can be role play or with actual new RAID CCR Tech CCR students.

VIII. In-Water Training

To be able to incorporate all the skills required in this program, the total minimum dive time:

- Confined water: Adequate time to show competency of all skills.
- Open water: 4 hours minimum
- Total in water time: 5 hours minimum
- Dives: 4 minimum

IN WATER TRAINING FOR INSTRUCTORS ALREADY CERTIFIED AS TECH CCR INSTRUCTORS WITH AN APPROVED AGENCY

- Confined water: Adequate time to show competency of all skills.
- Open water: 3 hours minimum
- Total in water time: 3 hours minimum
- Dives: 3 minimum

IX. Certification

This course is designed to safely train Instructors to teach and certify RAID Normoxic Trimix divers to plan and conduct decompression dives to a maximum depth of 60 metres / 200 feet using a trimix diluent with a minimum of 16% oxygen on a specific CCR.

HYPOXIC TRIMIX REBREATHING INSTRUCTOR PROGRAM

I. Purpose

This course is designed to safely train Instructors to teach and certify RAID Hypoxic Trimix divers to plan and conduct decompression dives to a maximum depth of 100m / 330ft a hypoxic trimix diluent with a minimum of 10% oxygen on a specific unit. Instructors may certify divers for 80m/ 260ft (Limited Hypoxic Trimix). There is no 80m/260ft instructor certification.

II. Instructor Prerequisites

- Minimum 21 years old.
- RAID Deco 60 Open Circuit Diver
- RAID Hypoxic Trimix Rebreather Diver
- Certified and in status as a RAID Normoxic Instructor on the specific unit.
- RAID Instructor on the specific unit for a minimum of 12 months.
- Minimum of 10 Normoxic Rebreather students.
- Must own the CCR been trained on.

- Logged a minimum of 30 dives using trimix with the rebreather to be used during this program, 15 dives deeper than 65 meters / 215 feet.
- Certified and current RAID First Aid and Oxygen Provider Instructor or equivalent.
- Submit a dive medical passed by a certified diving physician.
- Submit proof of liability insurance where applicable.
- If the unit is a RAID approved sidemount CCR then the diver must hold the RAID sidemount instructor or equivalent certification.
- Must be approved by the CCR factory **before** enrolled on the instructor program.

INSTRUCTOR CROSS OVER PREREQUISITES

CCR Rebreather Instructors from recognized training agencies may complete a cross over program subject to the RAID General Diving Standards.

IN ADDITION TO THE STANDARDS FOR INSTRUCTOR PREREQUISITES ABOVE.

- Cross over Instructors need to complete a RAID Rebreather Instructor cross over program and then a RAID Tech CCR Instructor cross over program.
- Must be a renewed RAID Rebreather Instructor.
- Be in good standing with no outstanding Quality Assurance queries with any agency.
- Must provide proof of equivalency Tech CCR instructor status.
- At the discretion of RAID HQ or the RAID Dive Centre and Instructor Trainer:
 - Assist a RAID CCR Instructor with a complete RAID CCR Course, after which the RAID CCR IT and Dive Centre may sign off the in-water skills and certification

OR

- Complete a practical cross over with a RAID CCR Instructor Trainer.

III. Instructor Candidate to IT Ratios

Use your discretion as a RAID instructor to determine whether the conditions warrant reducing the maximum ratios as stated below. Always consider group control and student safety.

Confined Water Training

Maximum ratio: 3 students: 1 Instructor

Open Water Training

Maximum ratio: 3 students: 1 Instructor

When the water temperature is 6°C / 43°F OR below, or the visibility is less than 5 metres/15 feet then the ratio for rebreather training can only be: 2 students to 1 instructor

IV. Equipment Requirements

As per Hypoxic Rebreather Diver standards

Note: The IT must be using the same unit as the candidate for the duration of the course

V. Supervision

CERTIFIED RAID CCR INSTRUCTOR TRAINER

A renewed and in status, certified RAID Hypoxic Rebreather Instructor Trainer. The instructor must be present and in control of all segments of training and using the same rebreather as the student for all segments of the course.

CERTIFIED RAID ASSISTANT

A certified instructor assistant may be another RAID Hypoxic Rebreather Instructor or Instructor Trainer.

VI. Depth Limitations During Training

Training dive depth limits are outlined in the CCR training materials. Training dives must not exceed the maximum depth 40 meters / 130 feet in confined water and a maximum of 100 meters / 330 feet in open water.

VII. Course Requirements

To earn certification, the student must fulfill the following requirements:

1. Complete and pass all online academic modules, quizzes, and exam.
2. Present and pass at least one academic teaching presentation
3. Present and pass at least one confined water presentation
4. Present and pass at least one open water presentation
 - a) Each in-water presentation will consist of 2 skills.
5. Present and pass at least one practical application.
6. Pass the skill circuit
7. Complete a practical cross over with a RAID CCR Instructor Trainer.
8. Pass the swim and stamina/stress tests as appropriate.
9. Complete all the skill requirements as outlined in the instructor Guidelines for Confined Water Training and Open Water Training.
10. All confined and open water skills are completed and signed off through the RAID Website by both the instructor and student.
11. The student has logged all their training dives on-line in their personnel "e-Logbook".
12. The RAID Dive Centre has confirmed certification online through the RAID web site and uploaded any relevant documentation.

Note: These sessions can be role play or with actual new RAID CCR Tech CCR students.

VIII. In-Water Training

To be able to incorporate all the skills required in this program, the total minimum dive time:

- Confined water: Adequate time to show competency of all skills.
- Open water: 4 hours minimum
- Total in water time: 5 hours minimum
- Dives: 4 minimum

IN WATER TRAINING FOR INSTRUCTORS ALREADY CERTIFIED AS TECH CCR INSTRUCTORS WITH AN APPROVED AGENCY

- Confined water: Adequate time to show competency of all skills.
- Open water: 3 hours minimum
- Total in water time: 3 hours minimum
- Dives: 3 minimum

IX. Certification

This course is designed to safely train Instructors to teach and certify RAID Hypoxic Rebreather divers to plan and conduct decompression dives to a maximum depth of 100 metres / 330 feet a hypoxic trimix diluent with a minimum of 10% oxygen on a specific unit.

RAID TECH INSTRUCTOR TRAINER OC & CCR

I. Purpose

Once a candidate has successfully completed the RAID ITP, they may apply to become instructor trainers for various open circuit and rebreather courses provided they meet the minimum prerequisites detailed below.

II. Instructor Prerequisites

- Minimum 21 years old.
- Certified and current RAID First Aid and Oxygen Provider Instructor or equivalent.
- Submit a dive medical passed by a certified diving physician.
- Submit proof of liability insurance where applicable.
- When applying for CCR IT the candidate must be approved by the CCR factory before application.
- Have taught the minimum students at each level as detailed in the below table and completed the minimum number of dives at each of those levels

Course	Number of Students	Number of dives
Deco 40 OC	10	25
Deco 50 OC	10	25
Deco 60 OC	20	25
Deco 80/100	30 (60 and 80/100)	100
Tech CCR	15	200 hours
Limited Trimix Rebreather	10	200 hours
Normoxic Rebreather	15	300 hours
Hypoxic Rebreather	10	350 hours
Cavern	10 (+Cave 2 Diver)	100
Cave 1	HQ Approval	250
Cave 2	HQ Approval	250

PSD ENTRY LEVEL PROGRAM

PUBLIC SAFETY DIVER (PSD) ENTRY LEVEL

I. Purpose

This course was created to teach Public Safety Diving candidates the (basic) entry level skills and concepts in order to participate as a member of a Public Safety Diving Team. This training complies with OSHA and NFPA regulations.

II. Student Prerequisites

A student taking this course must:

- Be a minimum 18 years old.

- Be certified as a RAID Explorer 30 or RAID Advanced 35 diver or equivalent.
- Have a minimum of 30 logged hours underwater or 50 dives.
- Successfully complete an IADRS (International Association of Dive Rescue Specialist) or regional equivalent Watermanship evaluation Test or equivalent and recreational SCUBA Skills evaluation.
- Must be part of a Public Safety Organization or a volunteer member of a team under the direct supervision of an agency.
- Be certified as RAID First AID and O2 or equivalent.
- Certified as a drysuit diver if using a drysuit for the course.
- Complete the registration process, including all mandatory paperwork prior to any in-water course activities.

III. Student to instructor Ratios

Confined Water

A maximum of 8 students: 1 instructor

Open Water

A maximum of 8 students: 1 instructor

Note: Student ratios must be reduced when environmental conditions are less than ideal.

IV. Depth Limitations During Training

- Confined Water: Maximum 10m/33ft
- Open Water: Maximum 30m/100ft

V. Supervision

- All training must be conducted by a RAID PSD instructor. The instructor must be physically present and in direct supervision of all segments of the training.
- All assistants must be a RAID divemaster or a RAID instructor and certified as a RAID public safety diver

VI. Equipment Requirements

- Recreational SCUBA equipment as specified in the RGDS.
- The use of Full-Face Mask (FFM) is authorized for use if the diver holds a FFM Certification for the type of mask he/she will be using or if the FFM training is conducted in conjunction with this program.
- The following equipment is required for this program
 - Dive computer with Nitrox capability
 - Two separate cutting devices.
- The following equipment is recommended for this program
 - Harness with Back plate and wing (55lb lift)
 - Drysuit
 - Full Face Mask

- The use of Split Fins is not recommended.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

10. Complete all RAID on line academics and required lectures.
11. Complete all the in-water skill requirements as outlined in the PSD instructor guide.
12. Complete all required dives as outlined in section VIII.
13. Successfully pass the IARDS Watermanship evaluation and SCUBA skills evaluation.

VIII. In-Water Training

- Confined Water: 8 hours
- 6 Open Water Dives

IX. Certification

Upon successfully completion of all requirements, a RAID PSD Entry Level Certification will be issued to each candidate.

PSD ENTRY LEVEL PROGRAM INSTRUCTOR

I. Purpose

This course was created to teach Public Safety Diving candidates the entry level skills and concepts in order to participate as a member of a Public Safety Diving Team. This Training complies with OSHA and NFPA regulations.

II. Student Prerequisites

A student taking this course must:

Minimum age 21

- Must be an active RAID Recreational SCUBA Instructor or an active SCUBA Instructor by a national recognized agency
- Must be affiliated with a public safety agency, full-time or volunteer.
- Must be qualified as an Oxygen Provider, CPR, AED, and First Aid provider (Instructor level recommended)
- Must have logged a minimum of 100 open water dives and a minimum of 50 PSD dives.
- Successfully complete an IADRS (International Association of Dive Rescue Specialist) or regional equivalent Watermanship evaluation Test and Basic SCUBA Skills evaluation.
- All waivers, releases, medical forms and required documents must be completed prior to any in-water course activities

III. Student to instructor Ratios

Confined Water

A maximum of 8 students: 1 instructor

Open Water

A maximum of 8 students: 1 instructor

Note: Student ratios must be reduced when environmental conditions are less than ideal.

IV. Depth Limitations During Training

- Confined Water: Maximum 10m/33ft
- Open Water: Maximum 30m/100ft

V. Supervision

- All training must be conducted by a RAID PSD Program Instructor Trainer. The Instructor Trainer must be physically present and in direct supervision of all segments of the training.
- All assistants must be a RAID PSD Instructor.

VI. Equipment Requirements

- Recreational SCUBA equipment as specified in the RAID SCUBA program.
- The use of Full-Face Mask (FFM) is authorized for use if the diver holds a FFM Certification for the type of mask he/she will be using or if the FFM training is conducted in conjunction with this program.
- The following equipment is required for this program
 - Dive computer with Nitrox capability
 - Two separate cutting devices.
- The following equipment is recommended for this program
 - Harness with Back plate and wing (55lb lift)
 - Full Face Mask
 - The use of Split Fins is NOT recommended for this course.

VII. Course Requirements

To earn certification, the student must fulfil the following requirements.

14. Complete all RAID Instructor on line academics and required lectures.
15. Complete all the in-water skill requirements as outlined in the PSD instructor guide.
16. Complete all required dives as outlined in section VIII.
17. Successfully pass the IARDS Watermanship evaluation and SCUBA skills evaluation.

VIII. In-Water Training

- 8 hrs. confined water skills
- 6 Open Water Dives

IX. Certification

Upon successfully completion of all requirements, a RAID PSD Entry Level Instructor Certification will be issued to each candidate.

LICENCE AGREEMENT

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